The 10th ICSA International Conference
on Global Growth of Modern Statistics in the 21st Century

December 19-22, 2016
Shanghai, China
The 10th ICSA International Conference: Global Growth of Modern Statistics in the 21st Century

Jointly organized by the School of Mathematical Sciences, Shanghai Jiao Tong University

Conference Program

Shanghai Jiao Tong University, Shanghai, China

December 19-22, 2016
Contents

Welcome Letters ........................................................................................................................................ 1
Conference Committees ............................................................................................................................ 5
Sponsors .................................................................................................................................................. 9
Conference Agenda ................................................................................................................................ 10
Floor Plan of Engineering Hall .................................................................................................................. 11
Plenary Speakers .................................................................................................................................... 13
Pao-Lu Hsu Award ..................................................................................................................................... 19
Young Researcher Awards ....................................................................................................................... 20
Conference Program ............................................................................................................................... 22
  Plenary Session 1 (8:40-10:40) ............................................................................................................... 23
  Parallel Sessions 1 (11:00-12:50) ......................................................................................................... 23
  1A. Statistical Challenges in Neuroimaging and Related Areas (I) (Invited Session 14) ................. 23
  1B. ICSA-Canada Chapter Sponsored CJS Special Invited Session: “Models and Methods for Analysis of Complex Data” (Invited Session 24) ................................................................................... 24
  1C. Recent Advances in Computer Experiments (Invited Session 28) ................................................. 24
  1D. New Development of Statistical Methods for Analysis of Genomic Data (Invited Session 71) .... 25
  1E. Advanced Statistical Methods and Big Data (Invited Session 75) .................................................. 25
  1F. Advances in Statistical Genetics and Genomics (Invited Session 82) ........................................... 26
  1G. Advances in Bayesian Methods for Large Complex Data (Invited Session 114) ....................... 26
  1H. New Advancements in Biostatistics (Invited Session 116) ............................................................ 27
  1I. Contemporary Clinical Trials/Contemporary Clinical Trials Communication Special Invited Session (Invited Session 120) .................................................................................................................. 27
  1J. Stochastic Differential Equation and Random Polymer (Invited Session 124) ............................ 28
  1K. Statistical Leadership in Drug Development in China (Invited Session 129) .............................. 28
  1L. JSS Sponsored Invited Session: “Probability Distributions: Recent Advances and Applications” (Invited Session 146) .................................................................................................................. 29
  1M. High-Dimensional Big Data Integration with Biomedical Applications (Invited Session 159) .... 29
  1N. ICSA-New England Chapter Sponsored Invited Session: “Statistics in the Paradigm of Precision Medicine Development” (Invited Session 160) ................................................................................... 30
  1O. New Challenges in Subgroup Analysis (Invited Session 163) ....................................................... 30
  1P. BioStatistical Methods and Biological Application for Health Sciences (Invited Session 172) .... 31
1Q. Bayesians Analysis in Medical Research (Invited Session 190) ................................................................. 31
1R. Complex data analysis and its Applications (Invited Session 192) ................................................................. 32
1S. Contributed Session 1, Recent Development of Nonparametric Methods with Applications ........ 32
1T. Contributed Session 2, Statistical Methods for Classification and Estimating Treatment Effects with Applications ...................................................................................... 33
Parallel Sessions 2 (14:00-15:50) ......................................................................................................................... 34
2A. Statistical Challenges in Neuroimaging and Related Areas (II) (Invited Session 15) ......................... 34
2B. New for Definitive Screening Designs (Invited Session 27) ........................................................................... 34
2C. New Developments in Error Models and Observation Study (Invited Session 35) ......................... 35
2D. Statistical Methods for Modeling Complex Dependency Structures (Invited Session 70) ................ 35
2E. Recent Developments of Survival Data Analysis (Invited Session 72) ....................................................... 35
2F. Recent Advances in the Analysis of Complex Data (Invited Session 73) .................................................... 36
2G. New Insights from Biomedical Research and Big Data Analytics (Invited Session 86) .................... 36
2H. Recent Advances in Integrative Analysis of Omics Data (Invited Session 88) ........................................ 37
2I. Missing Data Issues in Regulatory Clinical Trials (Invited Session 90) ....................................................... 37
2J. Big data in Drug Development (Invited Session 111) ...................................................................................... 38
2K. Large Dimensional Matrices (Invited Session 125) ...................................................................................... 38
2L. Statistical Genetics and Genomics (Invited Session 141) ........................................................................... 39
2M. Removing Effects of Confounding Variables (Invited Session 153) ......................................................... 39
2N. SSC and ICSA-Canada Chapter Sponsored Special Tutorial Session: “Data Science: Who Cares?” (Invited Session 154) ............................................................................................................ 40
2O. ICSA-Biometrics Section Sponsored Invited Session: “Biostatistical Research for Survival, Longitudinal and Multivariate Data” (Invited Session 162) .............................................. 40
2P. BioStatistical Methods and Models: Application for Health Sciences (Invited Session 173) .......... 41
2Q. ISI Sponsored Invited Session: “How Bayesian Impacts Your Health: Bayesian Applications in Medical and Environmental Research” (Invited Session 187) .................................................. 41
2R. IISA Sponsored Invited Session: “Topics in Change-Point Estimation” (Invited Session 195) .......... 42
2S. Contributed Session 3, Recent Development in Adaptive Design, Dose Escalation/Finding, and Study Planning ................................................................................................................. 42
2T. Contributed Session 4, Models with Random Effects, Mixed Effects, or Multi-Scale Factors with Applications ................................................................................................. 43
Parallel Sessions 3 (16:10-18:00) ......................................................................................................................... 44
3A. Methods for Large and Complex Data with Structural Information (Invited Session 10) .............. 44
3B. ICSA-Canada Chapter Sponsored Invited Session: “Recent Advance of Survival Data Analysis” (Invited Session 26) ................................................................................................................. 44
<table>
<thead>
<tr>
<th>Invited Session</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session 38</td>
<td>Recent Advances on Extreme Values</td>
</tr>
<tr>
<td>Session 59</td>
<td>New Methods for Analyzing Spatial and Spatio-Temporal Data</td>
</tr>
<tr>
<td>Session 60</td>
<td>Recent Advances in the Developments of Graphical and Network Models</td>
</tr>
<tr>
<td>Session 91</td>
<td>New Inferential Procedures in Semiparametric Regression Models</td>
</tr>
<tr>
<td>Session 113</td>
<td>Statistical Advances in Bioinformatics and Integrative Genomics</td>
</tr>
<tr>
<td>Session 126</td>
<td>Random Matrix Theory and Stochastic Algorithms</td>
</tr>
<tr>
<td>Session 127</td>
<td>Precision Medicine and Big Data: from Bench to Bedside</td>
</tr>
<tr>
<td>Session 136</td>
<td>Missing Data Handling in Clinical Trials</td>
</tr>
<tr>
<td>Session 145</td>
<td>JSS Sponsored Invited Session: “Towards Best Practice in Spatial and Point-Process Data Analysis”</td>
</tr>
<tr>
<td>Session 167</td>
<td>ICSA-Shanghai Chapter Sponsored Invited Session: “MRCT Practice in China”</td>
</tr>
<tr>
<td>Session 168</td>
<td>RSS Sponsored Invited Session: “New Models for Longitudinal/Survival Data and Beyond”</td>
</tr>
<tr>
<td>Session 193</td>
<td>Statistical Methods in Biomedical Research and Related Topics</td>
</tr>
<tr>
<td>Session 196</td>
<td>IISA Sponsored Invited Session: “Resampling Methods”</td>
</tr>
<tr>
<td>Session 201</td>
<td>HKSS Sponsored Invited Session: “Recent Advances in Rank-based Analysis”</td>
</tr>
<tr>
<td>Session 207</td>
<td>Special Invited Panel Session: “Global Statistical Collaborations: Opportunities Challenges and Future”</td>
</tr>
<tr>
<td>Session 210</td>
<td>Recent Development of Statistics Methods in Psychology</td>
</tr>
<tr>
<td>Session 201</td>
<td>Contributed Session 5, Statistical Estimation and Testing with Applications</td>
</tr>
<tr>
<td>Session 207</td>
<td>Contributed Session 6, Statistical Software and Applications of Statistical Methods/Models</td>
</tr>
<tr>
<td>Session 11</td>
<td>New Development in Hypothesis Testing</td>
</tr>
<tr>
<td>Session 22</td>
<td>New Generation of Genomic, Epigenomic, and Imaging Data Analysis in Mental Disorder Studies</td>
</tr>
<tr>
<td>Session 33</td>
<td>Recent Advances in Biostatistical Methods</td>
</tr>
<tr>
<td>Session 40</td>
<td>IASC Sponsored Invited Session: “Modern Statistical Modelling and Computational Methods for Complex Data”</td>
</tr>
<tr>
<td>Session 55</td>
<td>New Methods for Variable Selection and Big Data for Normal, Non-normal, and Time to Event Outcomes</td>
</tr>
<tr>
<td>Session 65</td>
<td>ICSA-New England Chapter Sponsored Invited Session: “Structured Dimension Reduction: Estimation, Inference and Model Diagnostics”</td>
</tr>
<tr>
<td>Session 97</td>
<td>Data Optimization and Risk Control</td>
</tr>
</tbody>
</table>

Plenary Session 2 (8:20-10:20)
4H. Recent Developments in Handling Multiplicity: Error Rates and Inference on Subgroups (Invited Session 100) ................................................................................................................................................. 59
4I. SIB Special Invited Session: “Statistics in Genomics” (Invited Session 101) ................................................................. 59
4J. Biostatistics in Large Databases (Invited Session 117) ........................................................................................................ 60
4K. Topics in Multi-Regional Clinical Trials and Bridging Trials (Invited Session 130) .......................................................... 60
4L. CJS Special Invited Session: “BFF (Bayesian/frequentist/fiducial Inferences in the New Era of Data Science (No 1)” (Invited Session 137) ......................................................................................................................... 61
4M. Stochastic Differential Equations (Invited Session 149) ...................................................................................................... 61
4N. SSC Sponsored Invited Session: “Survey Sampling Theory and Practice” (Invited Session 150) ...... 62
4O. New Methods for Analyzing Sensitivity, Covariance and Design (Invited Session 169) .................. 62
4P. KSS Sponsored Invited Session: “Modeling and Analysis of Complex Biomedical Data” (Invited Session 175) .................................................................................................................................................. 62
4Q. IMS Sponsored Invited Session: “Large Scale Statistical Inferences” (Invited Session 197) .......... 63
4R. Recent Advances in Biostatistics and Bioinformatics (Invited Session 203) ......................................................... 63
4S. Special Invited Panel Session on CFDA’s Biostatistics Guideline for Clinical Trials (Invited Session 209) ................................................................................................................................................ 64
4T. Contributed Session 7, Statistical Methods and Models for Survival Data with Applications ........ 65
Parallel Sessions 5 (13:40 - 15:30) .................................................................................................................................................. 65
5A. New Methods for Analyzing High Dimensional Data (Invited Session 12) ........................................ 65
5B. ICSA-Canada Chapter Sponsored Invited Session: “New Methods of Lifetime History Data” (Invited Session 25) .............................................................................................................................................. 66
5C. Statistical Methods for Big Data (Invited Session 46) ........................................................................................................ 66
5D. Recent Development in Statistical Methods for Clinical and Survey Designs (Invited Session 47) ............................................ 67
5E. Novel Approaches to Genomics and Computational Molecular Evolution (Invited Session 48) ...... 67
5F. New Development in Statistical Learning (Invited Session 54) ........................................................................................................ 68
5G. Lifetime Data Analysis (LIDA) Special Invited Session (Invited Session 57) .......................................................... 68
5H. Recent Statistical Advances and Challenges in Cancer Studies (Invited Session 105) ......................... 69
5I. Challenges to Statistical Issues in Complex Clinical Trials (Invited Session 106) ................................................................. 69
5J. Caveats, Challenges, and Opportunities for Indirect Comparisons Using Clinical Trial Data (Invited Session 109) ................................................................................................................................................... 70
5K. Real World Data in China and Statistical Considerations in Real World Data Analysis (Invited Session 131) .................................................................................................................................................. 70
5L. Recent Advances on Statistical Methods for RNA Sequencing Data (Invited Session 132) ............... 71
5M. CJS Special Invited Session: “BFF (Bayesian/frequentist/fiducial) Inferences in the New Era of Data Science (No.2)” (Invited Session 138) ........................................................................................................ 71
5N. Brazilian Statistical Association (ABE) Sponsored Invited Session: “Innovation in Survival Modeling” (Invited Session 144) ............................................................................................................................ 72
5O. Random Fields in Statistics and Applications (Invited Session 156) .................................................. 72
5P. KSS Sponsored Invited Session: “Modern Statistical Analytics” (Invited Session 176) ...................... 73
5Q. Recent Development in Multiple Comparison Procedures (Invited Session 200) ............................... 73
5R. SS Special Invited Session: “Recent Advances in Experimental Designs” (Invited Session 213) ...... 73
5S. Young Researcher Award Paper Session I ........................................................................................... 74
5T. Contributed Session 8, New Approaches to Statistical Modeling and Estimation ............................ 74

Parallel Sessions 6 (15:50 - 17:40) ........................................................................................................ 75

6A. Recent Development in Ordinal Data Analysis (Invited Session 3) .................................................. 75
6B. Intelligent Learning and Integrative Analysis in Cancer Research (Invited Session 21) .................... 76
6C. Recent Topics in Survival Analysis (Invited Session 32) ................................................................. 76
6D. Biostatistical Research in University of Florida (Invited Session 42) ................................................. 77
6E. New Developments in Statistical Methods for Recurrent Event and Survival Analysis (Invited Session 45) ........................................................................................................................................ 77
6F. Advances in Applied Statistical Methods (Invited Session 56) ......................................................... 78
6G. IASC Sponsored Invited Session: “Bayesian Approaches for Nonparametric and High-Dimensional Models” (Invited Session 63) ........................................................................................................ 78
6H. Recent Developments in Statistical Methods for Complex Data (Invited Session 79) ..................... 78
6I. Challenges to Statistical Issues in Multiregional Clinical Trials (Invited Session 107) ..................... 79
6J. Recent Developments in Measurement Error Models and Clustering Detection (Invited Session 112) ........................................................................................................................................ 80
6K. ICSA-Midwest Chapter Sponsored Invited Session: “Modern Biostatistical Issues in Cohort Studies” (Invited Session 133) ........................................................................................................ 80
6L. Statistical Innovations in Clinical Trials (Invited Session 135) ......................................................... 81
6M. SSC Sponsored Invited Session: “Statistical Challenges and Advances in Large-Scale Inference” (Invited Session 151) ........................................................................................................................................ 81
6N. Recent Developments in Financial Econometrics (Invited Session 157) ........................................... 81
6O. ICSA-New England Chapter Sponsored Invited Session: “Statistical Topics in the Design and Analysis of Confirmatory Trials in Drug Development” (Invited Session 178) ....................... 82
6P. Recent Advance in Statistical Process Monitoring of High-Dimensional Processes (Invited Session 183) ........................................................................................................................................ 82
6Q. Statistical Methods for Analyzing Complicated Data (Invited Session 186) ....................................... 83
6R. IBS-China and Biometrics Special Invited Session (Invited Session 206) .......................................... 83
6S. Young Researcher Award Paper Session II ......................................................................................... 84
6T. Contributed Session 9, Statistical Inference and Prediction with Applications .................................. 84
Plenary Session 3 (8:20-10:20) ........................................................................................................ 86
Parallel Sessions 7 (10:40 - 12:30) ................................................................................................ 86
  7A. Statistics Innovations for Imaging Studies (Invited Session 2) .................................................. 86
  7B. SIB Special Invited Session: “Statistics into Biosciences” (Invited Session 29) ......................... 87
  7C. Recent Advances in the Analysis of Survival and High-Dimensional Data (Invited Session 41) ...... 87
  7D. Statistical Process Control Research in China (Invited Session 43) ........................................ 88
  7E. Statistical Methods for High-Dimensional Correlated Data (Invited Session 50) ....................... 88
  7F. Statistics and Its Inference (SII) Special Invited Session: “Modeling and Analysis of Spatially and/or Temporally Correlated Data” (Invited Session 67) ......................................................... 89
  7G. Recent Development in Multiple Hypotheses Testing (Invited Session 74) ............................... 89
  7H. Semi/Non-parametric Method in Complicated Structure Data (Invited Session 76) .................. 90
  7I. ISBA Sponsored Invited Session: “Current Challenges in Environmental Sciences” (Invited Session 85) ....................................................................................................................... 90
  7J. Statistical and Causal Inference on Modeling Complex and Massive Data (Invited Session 87) ...... 91
  7K. Emerging Statistical Issues in Clinical Research (Invited Session 115) ..................................... 91
  7L. Causal Inference (Invited Session 119) ...................................................................................... 92
  7M. KISS Sponsored Invited Session: “Recent Topics in Survey Sampling and Missing Data Analysis” (Invited Session 121) ........................................................................................................ 92
  7N. Fusion Learning: The Art of Integrating Information from All Relevant Sources (Invited Session 139) ................................................................................................................................. 93
  7O. Asymptotics of Stochastic Differential Equations (Invited Session 182) ................................. 93
  7P. ASA Sponsored Invited Tutorial Session: “Statistics Education in the Era of Big Data” (Invited Session 189) .................................................................................................................... 94
  7Q. HKSS Sponsored Invited Session: “Recent Advances in Functional/Longitudinal Data Analysis” (Invited Session 202) .............................................................................................................. 94
  7R. Special Memorial Session of Peter Hall (Invited Session 208) .................................................... 95
  7S. Contributed Session 10, Statistical Methods with Applications to Finance and Risk Analysis ...... 95
  7T. Contributed Session 11, Statistical Modeling, Monitoring, and Estimation with Applications ...... 96
Parallel Sessions 8 (13:40 - 15:30) .................................................................................................. 97
  8A. Recent Advances in Computational Neuroscience (Invited Session 1) ...................................... 97
  8B. Some Recent Research in Statistical Process Control (Invited Session 9) ................................. 97
  8C. Statistical Challenges for Big data in Medical Research (Invited Session 13) ......................... 97
  8D. Statistical Estimation and Inference with Applications to High-Dimensional Data (Invited Session 23) ........................................................................................................................................ 98
8E. CIPS Sponsored Invited Session: “Design of Experiments” (Invited Session 30) ............................................... 98
8F. Analysis of Time-to-event Data (Invited Session 34) ........................................................................................................ 99
8G. Recent Developments in Meta-Analysis (Invited Session 49) ....................................................................................... 99
8H. Advances and Novel Applications of Robust Nonparametric Statistics (Invited Session 61) ............... 100
8I. Statistical Methods for Detecting Weak and Simultaneous Signals (Invited Session 69) .................. 100
8J. Joint Modeling in Clinical Trials (Invited Session 92) ................................................................................................. 101
8K. ISBA Sponsored Invited Session: “Theory and Applications of Bayesian Nonparametrics” (Invited Session 98) .................................................................................................................. 101
8L. Recent Advances in Robust High-Dimensional Estimation and Inference (Invited Session 110) .... 102
8M. ICSA-Midwest Chapter Sponsored Invited Session: “Recent Development in Event Time Data Analysis and Semiparametric Models” (Invited Session 134) ......................................................... 102
8N. Hierarchical likelihood approach for analysis of models with random effects (Invited Session 142), ................................................................. .............................................................................................................................. 103
8O. Stein’s Method and Applications (Invited Session 171) ............................................................................................... 103
8P. Statistical Methods in Medical Diagnosis (Invited Session 188) ................................................................................. 104
8Q. Bayesian Methods and Missing Data Analysis (Invited Session 194) ........................................................................ 104
8R. Contributed Session 12, Statistical Methods, Models, and Algorithms with Various Applications 105
8S. Contributed Session 13, Recent Advance in Classification, Clustering, and Machine Learning ...... 105
8T. Contributed Session 18, Monte Carlo Methods, Likelihood-Free Inference, and Chaotic Likelihoods ........................................................................................................................................... 106

Parallel Sessions 9 (15:50 - 17:40) .................................................................................................................................................... 106

9A. ICSA-Biometrics Section Sponsored Invited Session: “New Development in Semiparametric Models for Survival Analysis” (Invited Session 6) ......................................................................................................................... 106
9B. Challenging Statistical Issues in High-dimensional Inference (Invited Session 7) ...................... 107
9C. Modern Bayesian Methods in Big Data and Precision Medicine (Invited Session 16) .................. 107
9D. Recent Statistical Analytics for Big Data in Finance (Invited Session 20) .................................. 108
9E. Some New Tests for Some New Statistical Problems (Invited Session 37) ........................................ 108
9F. Advanced Statistical Methods for Complex Observational Studies (Invited Session 44) .......... 109
9G. New Advanced in the Analysis of Complex Correlated Data (Invited Session 53) ................ 109
9H. Boundary Crossing Probability for Brownian Motion and Related Processes and Their Applications (Invited Session 62) ........................................................................................................................................ 110
9I. Recent Advances on MM Algorithms (Invited Session 104) ...................................................................................... 110
9J. New Methods for Large Graphical Models and Genetic Data (Invited Session 108) ................... 111
9K. Advances in Latent Variables Models for Educational Testing (Invited Session 140) .................. 111
9L. Statistical Methods for Large Dimensional Data (Invited Session 143) ........................................ 112
9M. Advance Asymptotic Methods for Statistics (Invited Session 165) .................................................. 112
9N. RSS Sponsored Invited Session: “New Methods for Modeling of Complex and Challenging Data” (Invited Session 170) .................................................................................................................................. 113
9O. Recent Developments in Machine Learning and Data Mining (I) (Invited Session 177) .................. 113
9P. ASA and ICSA-Shanghai Chapter Sponsored Invited Tutorial Session: “Statistical Modelling Using SAS” (Invited Session 185) ........................................................................................................... 114
9Q. Computational Methods in Statistics (Invited Session 204) ............................................................. 114
9R. Big Data and Advanced Statistics Methods in Finance (Invited Session 212) ............................... 114
9S. Contributed Session 14, Recent Advance in Estimating Covariance Matrices, Ridg Regression, and Quantile Regressions ................................................................................................................................. 115
9T. Contributed Session 15, Bayesian Approaches for Analyzing Genomic and Clinical Data .......... 116

Parallel Sessions 10 (10:40 - 12:30) ........................................................................................................... 117
10A. Emerging Statistical Power in Integrating Big and Complex Neuroimaging Data (Invited Session 4) .................................................................................................................................................. 117
10B. ICSA-Biometrics Section Sponsored Invited Session: “Recent Progress in Personalized Medicine” (Invited Session 8) ........................................................................................................................................... 118
10C. Recent Advances in High-dimensional Data Analysis (Invited Session 19) .................................. 118
10D. Some New Advances in Failure Time Data Analysis (Invited Session 51) ................................. 119
10E. Methodologies for Correlated Survival Data (Invited Session 66) ............................................. 119
10F. Recent Advances and Challenges in Statistical Methods for Big Biological and Medical Data (Invited Session 78) ........................................................................................................................................... 120
10G. Change-Point Detection and Inference (Invited Session 83) ......................................................... 120
10H. Solutions for Dealing with Large Spatial and Spatiotemporal Data (Invited Session 84) ......... 121
10I. Recent Advances in Network Analysis (Invited Session 89) ............................................................ 121
10J. Recent Advances on ODE/PDE Modeling and Its Applications (Invited Session 93) ................. 122
10K. Novel Statistical Methods in the Era of Big Data (Invited Session 94) ......................................... 122
10L. Statistics and Causal Inference: Where Are We and Where Are We Heading? (Invited Session 96) .................................................................................................................................................. 123
10M. Special Invited Panel Session: “Leadership by Statisticians in Drug Development” (Invited Session 99) ........................................................................................................................................... 123
10N. SSC Sponsored Invited Session: “Statistical Analysis of Event History Data: Recent Advances and Current Challenges” (Invited Session 152) ................................................................................................. 123
10O. Technometrics Special Invited Session: “Some New Statistical Methods on Big Data Analysis” (Invited Session 179) ......................................................................................................................................... 124
10P. ICSA-Midwest Chapter Sponsored Invited Session: “Statistical Methods in HIV Prevention Research” (Invited Session 180) ............................................................................................................ 124
10Q. IMS Sponsored Invited Session: “Flexible Modeling and Estimation” (Invited Session 198) ........ 125
10R. Recent Developments in Machine Learning and Data Mining (II) (Invited Session 205) .......... 125
10S. Contributed Session 16, Statistical Methods in Risk and Survival Analyses ...................... 126

Parallel Sessions 11 (13:40 - 15:30) ............................................................................................. 127
11A. Joint Modeling of Longitudinal and Survival Data (Invited Session 5) ............................... 127
11B. New Advances for Hypothesis Testing for High-Dimensional Data (Invited Session 18) ..... 127
11C. New Types of Designs for Computer Experiments (Invited Session 31) ......................... 128
11D. Recent Advances in Causal Inference (Invited Session 64) .............................................. 128
11E. ICSA-Midwest Chapter Sponsored Invited Session: “Recent Developments in Survival Analyses and Applications in Clinical Trials” (Invited Session 68) ........................................ 129
11F. Recent Advances and Challenges in Statistical Theory and Methods for High-dimensional and Network Data (Invited Session 77) .............................................................. 129
11G. Theory and Application of Mixture Models (Invited Session 81) ......................................... 129
11H. Nonignorable Missing Data (Invited Session 95) ................................................................. 130
11I. Recent Development in Multiple Testing and Post Selection Inference in High-Dimensional Regression (Invited Session 103) .................................................................................. 130
11J. Nonparametric Methods for Complex Data (Invited Session 123) ....................................... 131
11K. New Bayesian and Robust Statistical Models and Their Applications in Sciences (Invited Session 128) ..................................................................................................................... 131
11L. Advances in Panel Count Data Analysis (Invited Session 148) ............................................. 132
11M. Advances in Limit Theorems of Applied Probabilities (Invited Session 164) .................. 132
11N. Recent Development in Adaptive Study Designs for Early Phase Clinical Trials (Invited Session 166) ......................................................................................................................... 133
11O. Statistical Profile Monitoring and Its Application (Invited Session 184) ............................ 133
11P. Recent Advances in Analysis of Omics Data (Invited Session 211) .................................. 134
11Q. Special Invited Panel Session on ICH E17 (Invited Session 215) ...................................... 134
11R. Contributed Session 17, Recent Development in Statistical Genomics ......................... 135

Parallel Sessions 12 (15:50 - 17:40) ............................................................................................. 136
12A. New Methods for Analyzing Functional Data (Invited Session 17) ................................. 136
12B. New Challenges in High-Dimensional Statistics (Invited Session 36) .............................. 136
12C. CIPS Sponsored Invited Session: “Ecological Statistics” (Invited Session 39) ............... 137
12D. Statistical Methods in the Analysis of Large-Scale Imaging and Network Data (Invited Session 52) ....................................................................................................................... 137
12E. Genomics and Big data (Invited Session 58) ................................................................. 137
12F. Empirical Likelihood and its Applications (Invited Session 80) ......................................... 138
12G. Recent Topics on Extreme Values (Invited Session 102) ................................................................. 138
12H. Statistical Methods and Strategies in Interdisciplinary Studies (Invited Session 118) ............... 139
12I. The Recent Development of Statistical Methods for Decision Making in Clinical Development (Invited Session 122) ............................................................................................................................ 139
12J. ICSA-Shanghai Chapter Sponsored Invited Session: “Recent Developments in High Dimensional Models: Variable Selection, Dimension Reduction, and the Missing Data Analysis” (Invited Session 147) ................................................................................................................................................................................................. 140
12K. Recent Advances in System Informatics Using Degradation Data (Invited Session 155) ........ 140
12L. Recent Developments in Network Data Analysis (Invited Session 158) ........................................ 141
12M. Change-Point Detection and Related Topics (Invited Session 161) .............................................. 141
12N. Recent Development in Stochastic Processes (Invited Session 181) ........................................... 142
12O. ICSA-Midwest Chapter Sponsored Invited Session: “Real World Evidence and Benefit Risk Assessment” (Invited Session 191) ................................................................................................................................................................................................. 142
12P. IMS Sponsored Invited Session: “Statistical Problems for Big-Data” (Invited Session 199) ......... 143
12Q. Recent Advances on Random Processes and Related Problems (Invited Session 214) ............. 143
12R. Contributed Session 19, Bayesian Modeling and Methods with Applications ......................... 144
Activities .................................................................................................................................................... 145
Local Information .................................................................................................................................... 146
New Journals .......................................................................................................................................... 153
Names Index .......................................................................................................................................... 157
Welcome Letter from ICSA Presidents

Dear Colleagues,

On behalf of the Executive Committee and Board of Directors of the International Chinese Statistical Association (ICSA), we welcome you to the 10th ICSA International Conference.

Thanks to the dedicated Program Committee and the hard-working Local Organizing Committee, we have an exciting scientific program that covers the latest discoveries and knowledge advances in interdisciplinary and methodological research in statistics. We hope that you enjoy this conference at Shanghai Jiao Tong University. The conference offers a unique opportunity to engage in fruitful intellectual exchanges with other participants from around the globe. The city of Shanghai offers an exciting blend of old and modern China. It has played a pivotal role in modern Chinese history as a commercial and financial center.

The International Chinese Statistical Association serves well over two thousand members from around the world. If you are not yet an ICSA member, we hope that you will consider joining us! The ICSA welcomes Chinese statisticians as well as friends of Chinese statisticians. Our membership includes many leaders of our profession, and we welcome you to join us too.

Once again, welcome to Shanghai. We wish you a very pleasant conference experience with the ICSA!

Sincerely yours,

Wei Shen
ICSA Past President

Mei-Ling Ting Lee
ICSA President

Tony Cai
ICSA President-Elect
Welcome Letter from Chairs of the Scientific Program Committee

Dear Colleagues,

On behalf of the Scientific Program Committee, we welcome you to the 10th ICSA International Conference in Shanghai, China.

The theme of the conference is to promote the global growth of modern statistics in the 21st century, and we are pleased to present a rich program on this theme. The conference features six plenary talks delivered by prominent scholars covering a wide spectrum of research areas. We would like to thank our fellow program committee members for their great effort to invite speakers from different parts of the world and to put together more than 200 invited sessions. Each of the ICSA sections and chapters has contributed two or more invited sessions. There are several journal special invited sessions from Statistics in Biosciences, Statistics and Its Interface, Statistics Sinica, Biometrics, Canadian Journal of Statistics, Contemporary Clinical Trials, Contemporary Clinical Trials Communication, and Technometrics. The conference is co-sponsored by 17 statistical societies and each has organized two invited sessions. Overall, the conference program covers a wide range of topics and is well-balanced between cutting edge research and novel industrial applications. In addition, we would like to draw your attention to several special panel sessions on global statistical collaboration, leadership, and biostatistics guidelines for clinical trials, and three tutorial sessions on data science, statistical modelling using SAS, and statistics education in the era of big data. On December 22, there will be a very special Pao-Lu Hsu award ceremony. The recipient of the second Pao-Lu Hsu award, Jun S. Liu of Harvard University, will present “In Search of Relationships: From R-squared to Semi-parametric Models.”

To encourage the participation of young researchers, the program committee offers Young Researcher Travel Awards, thanks to the support from the ICSA executives and the sponsorship from the American Statistical Association (ASA), the International Society for Biopharmaceutical Statistics (ISBS), and the International Society for Bayesian Analysis (ISBA). We also thank the award committee, especially Ying Lu of Stanford University (the committee chair) and Lin Fei of University of Cincinnati (the committee coordinator), for their hard work and great effort. Ten young researchers will receive the awards during the conference banquet, where Xiao-Li Meng of Harvard University will deliver the banquet speech. The award recipients will present their papers in two special young researcher award paper sessions which are scheduled in the afternoon of December 20.

Finally, we would like to thank the ICSA executives for their support to this conference and the 17 societies for sponsoring this conference. We would also like to thank our dedicated local committee, especially Professors Dong Han, Weidong Liu, and Jinguo Xian, and Ms. Jie Hu, for their tireless
efforts to provide services and support to all conference participants and for making all local arrangements.

We are very much looking forward to meeting all of you during the conference. We hope you enjoy the conference and your stay in the city of Shanghai, which is the financial, trade, information and shopping center of China.

Sincerely yours,

Ming-Hui Chen  
Co-Chair, Scientific Program Committee, University of Connecticut

Zhi Geng  
Co-Chair, Scientific Program Committee, Peking University

Gang Li  
Co-Chair, Scientific Program Committee, University of California at Los Angeles
Dear colleagues and friends,

It is a great pleasure for us to host the 2016 ICSA international conference at Xuhui campus of Shanghai Jiao Tong University in the downtown of Shanghai, China. On behalf of the local organizing committee of the 10th ICSA international conference, we would like to extend our warmest welcome to all of our colleagues and sponsors of the conference. Welcome to the modern city Shanghai and the beautiful Xuhui campus of Shanghai Jiao Tong University.

Shanghai Jiao Tong University is one of the oldest and most prestigious universities in China. In the meantime, it has a young but thriving Department of Statistics. It is our great honor to host this academic event, which will provide a platform for communication for statisticians from all around the world and will be a precious opportunity for the development of statistical science at Shanghai Jiao Tong University. We hope that through this conference, our Department of Statistics will have a better and closer collaboration and exchange with statistics departments and institutions around the world.

Once again, we would like to thank all the colleagues and friends for your participation and support. We will prepare and provide our best services to the conference from conference facilities for presentations to accommodation. Better service, better communication and better enjoyment are our purpose of all efforts. We hope that you will enjoy the stay in Shanghai and the delicious Chinese food.

Dong Han
Co-Chair, Local Organizing Committee

Weidong Liu
Co-Chair, Local Organizing Committee
Scientific Program Committee

Co-Chairs:

Ming-Hui Chen, University of Connecticut, ming-hui.chen@uconn.edu
Zhi Geng, Peking University, zhigeng@pku.edu.cn
Gang Li, University of California at Los Angeles, vli@ucla.edu

Committee Members:

Frank Bretz, Novartis Pharmaceuticals, frank.bretz@novartis.com
Jianwen Cai, University of North Carolina, cai@bios.unc.edu
Ivan S.F. Chan, Abbvie, Ivan.chan@abbvie.com
Feng Chen, Dean of SPH, Nanjing Medical University, dr.chenfeng@163.com
Jiahua Chen, University of British Columbia, jhchen@stat.ubc.ca
Min Chen, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, mchen@amss.ac.cn
Yi-Hau Chen, Academia Sinica, yhchen@stat.sinica.edu.tw
Zehua Chen, National University of Singapore, stachenz@nus.edu.sg
Ming-Yen Cheng, National Taiwan University, cheng@math.ntu.edu.tw
Weihu Cheng, Beijing University of Technology, chengweihu@bjut.edu.cn
Dongseok Choi, Oregon Health & Science University, choid@ohsu.edu
Hengjian Cui, Capital Normal University, Capital Normal University, hjcui@bnu.edu.cn
Xinping Cui, University of California at Riverside, xinping.cui@ucr.edu
Mário de Castro, Universidade de Sao Paulo, Brazil, mcastro@icmc.usp.br
Scott Evans, Harvard School of Public Health, evans@sdac.harvard.edu
Wing Kam Fung, University of Hong Kong, wingfung@hku.hk
Xiangzhong Fang, Peking University, xzfang@math.pku.edu.cn
Haoda Fu, Eli Lilly, fu_haoda@lilly.com
Jianhua Guo, North-East Normal University, jhguo@nenu.edu.cn
Dong Han, Shanghai Jiao Tong University, donghan@sjtu.edu.cn
Shuyuan He, Capital Normal University, syhe@math.pku.edu.cn
Zhezhen Jin, Columbia University, zj7@columbia.edu
Bing-Yi Jing, Hong Kong University of Science & Technology, majing@ust.hk
Mei-Ling Ting Lee, University of Maryland, mlittle@umd.edu
Victor Leiva, Adolfo Ibañez University, Viña del Mar, Chile, victorleivasanchez@gmail.com
Bo Li, University of Illinois at Urbana-Champaign, libo@illinois.edu
Junfang Li, Kyowa Kirin Pharmaceutical Development, Inc., innovasia20@gmail.com
Hongzhe Li, University of Pennsylvania, Hongzhe@upenn.edu
Zenghu Li, Beijing Normal University, lizh@bnu.edu.cn
Faming Liang, University of Florida, faliang@ufl.edu
Dennis Kon-Jin Lin, Pennsylvania State University, dkl5@psu.edu
Huazhen Lin, Southwestern University of Finance and Economic, hzlin@scu.edu.cn
Xihong Lin, Harvard University, xlin@hsph.harvard.edu
Weidong Liu, Shnaghai Jiao Tong University, weidongl@sjtu.edu.cn
Wendy Lou, University of Toronto, wendy.lou@utoronto.ca
Ying Lu, Stanford University, ylu1@stanford.edu
Mounir Mesbah, Université Paris VI, mounir.mesbah@upmc.fr
Satoshi Morita, Kyoto University, smorita@kuhp.kyoto-u.ac.jp
James (Guohua) Pan, Johnson & Johnson, jpan3@its.jnj.com
Jianxin Pan, University of Manchester, jianxin.pan@manchester.ac.uk
Xionlong Pu, East China Normal University, xlpu@stat.ecnu.edu.cn
Peihua Qiu, University of Florida, pqiu@phhp.ufl.edu
Jun Shao, University of Wisconsin-Madison, shao@stat.wisc.edu
Qi-Man Shao, The Chinese University of Hong Kong, qmshao@sta.cuhk.edu.hk
Wei Shen, Eli Lilly and Company, shen_wei_x1@lilly.com
Xiaotong Shen, University of Minnesota, xshen@umn.edu
Peter Song, University of Michigan, pxsong@umich.edu
Liuquan Sun, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, slq@amt.ac.cn
Ming Tan, Georgetown University, mtt34@georgetown.edu
Niansheng Tang, Yunnan University, nstang@ynu.edu.cn
Cheng Yong Tang, Temple University, yongtang@temple.edu
Naitee Ting, Boehringer Ingelheim Pharmaceuticals, Inc., naitee.ting@boehringer-ingelheim.com
Qihua Wang, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, qhwang@amss.ac.cn
Zhaojun Wang, Nankai University, zjwang@nankai.edu.cn
William W.B. Wang, Merck, william_wang@merck.com
Hulin Wu, University of Texas at Houston School of Public Health, Hulin.Wu@uth.tmc.edu
Tongtong Wu, University of Rochester, Tongtong_Wu@URMC.Rochester.edu
Min-ge Xie, Rutgers University, mxie@stat.rutgers.edu
Jun Yan, University of Connecticut, jun.yan@uconn.edu
Qiwei Yao, London School of Economics, Q.Yao@lse.ac.uk.
Keying Ye, University of Texas at San Antonio, Keying.Ye@utsa.edu
Grace Yi, University of Waterloo, yyi@uwaterloo.ca
Zhiliang Ying, Columbia University, zying@stat.columbia.edu
Dan Yu, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, dyy@amss.ac.cn
Ming Yuan, University of Wisconsin-Madison, ming.mingyuan@gmail.com, myuan@stat.wisc.edu
Donglin Zeng, University of North Carolina, dzeng@email.unc.edu
Li-Xin Zhang, Zhejiang University, stazlx@zju.edu.cn
Heping Zhang, Yale University, heping.zhang@yale.edu
Jian Zhang, University of Kent, jianz@live.co.uk, jz79@kent.ac.uk
Ying Zhang, Indiana University, yz73@iu.edu
Zhongzhan Zhang, Beijng University of Technology, zzhang@bjut.edu.cn
Hongyu Zhao, Yale University, hongyu.zhao@yale.edu
Naiqing Zhao, Fudan University, nqzhao@fudan.edu.cn
Weian Zheng, East China Normal University, wazheng@stat.ecnu.edu.cn
Huibin (Harrison) Zhou, Yale University, huibin.zhou@yale.edu
Xiao-Hua Andrew Zhou, University of Washington, azhou@uw.edu
Yong Zhou, Shanghai University of Finance and Economics, zhou.yong@mail.shufe.edu.cn,
Hongtu Zhu, University of North Carolina, hzhu@bios.unc.edu
Ji Zhu, University of Michigan, jizhu@umich.edu
Zhong-Yi Zhu, Fudan University, zhuzy@fudan.edu.cn
Guohua Zou, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, ghzou@amss.ac.cn

Local Committee

Co-Chairs

Dong Han, Shanghai Jiao Tong University, donghan@sjtu.edu.cn
Weidong Liu, Shanghai Jiao Tong University, weidongl@sjtu.edu.cn

Committee Members

Xin Chen, Shanghai Jiao Tong University, chenxin217@sjtu.edu.cn
Hanying Liang, Tong Ji University, hylia@tongji.edu.cn
Jianzong Lin, Shanghai Jiao Tong University, jzlin@sjtu.edu.cn
Shan Luo, Shanghai Jiao Tong University, sluomath@sjtu.edu.cn
Zhulin Sun, Shanghai Jiao Tong University, zlsun@sjtu.edu.cn
Dejun Tang, Novartis, dejun.tang@novartis.com
Yincai Tang, East China Normal University, yctang@stat.ecnu.edu.cn
Cheng Wang, Shanghai Jiao Tong University, chengwang@sjtu.edu.cn
Bingshun Wang, Shanghai Jiao Tong University, wangbingshun@sjtu.edu.cn
Jinguo Xian, Shanghai Jiao Tong University, jgxian@sjtu.edu.cn
Liqing Yan, Shanghai Jiao Tong University, liqingyan@sjtu.edu.cn
Litan Yan, Donghua University, litanyan@dhu.edu.cn
Rongxian Yue, Shanghai Normal University, yue2@shnu.edu.cn
Deng Zhang, Shanghai Jiao Tong University, zhangdeng@amss.ac.cn
Xinsheng Zhang, Fudan University, xszhang@fudan.edu.cn
Wei Zhang, wei.zhang@boehringer-ingelheim.com
Liping Zhu, Shanghai University of Finance and Economics, zhu.liping@mail.shufe.edu.cn

The Secretariat of the Conference

Jie Bai, Hengliang Guo, Jie Hu, Yingying Li, Limin Qin, Jianhui Shang, Hengmin Xu, Min Yu, Huiyu Zhu, Jiajun Zhu, School of Mathematical Sciences, SJTU, icsa2016@sjtu.edu.cn
Young Researcher Award Committee

Chair: Ying Lu, Stanford University, ylu1@stanford.edu.
Committee Coordinator: Lin Fei, University of Cincinnati, lin.fei@uc.edu

Committee Members:

- Haim Bar, University of Connecticut, haim.bar@uconn.edu
- Mário de Castro, Universidade de Sao Paulo, Brazil, mcastro@icmc.usp.br
- Dongseok Choi, Oregon Health & Science University, choid@ohsu.edu
- Yili Hong, Virginia Tech, yilihong@vt.edu
- Yveon Huang, University of Maryland Baltimore County, yihuang@umbc.edu
- Jun Li, University of California, Riverside, jun.li@ucr.edu
- Weidong Liu, Shanghai Jiao Tong University, weidongl@sjtu.edu.cn
- Sheng Lou, University of Texas Houston, sheng.t.luo@uth.tmc.edu
- Satoshi Morita, Kyoto University, smorita@kuhp.kyoto-u.ac.jp
- Peter Qian, University of Wisconsin-Madison, peter.qian@wisc.edu
- Alexandra M. Schmidt, McGill University, Alexandra.schmidt@mcgill.ca
- Xin Shi, Manchester Metropolitan University, UK, X.Shi@mmu.ac.uk
- Dejun Tang, Novartis, China, dejun.tang@novartis.com
- Ouhong Wang, Amgen, China, owang@amgen.com
- Joong-Ho Won, Seoul National University, wonj@stats.snu.ac.kr
- Yuping Zhang, University of Connecticut, Yuping.zhang@uconn.edu
The Program Committee and the Local Organizing Committee would like to thank the following co-sponsors for their contributions and support:

- American Statistical Association (ASA)
- Brazilian Statistical Association
- Chinese Association for Applied Statistics
- Institute of Mathematical Statistics
- International Association for Statistical Computing
- International Indian Statistical Association
- Korean International Statistical Society
- The International Statistical Institute (ISI)
- The International Society for Biopharmaceutical Statistics
- The Japan Statistical Society (JSS)
### Sunday, December 18, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 – 20:00</td>
<td>Hua Ting Hotel &amp; Towers, Lobby</td>
<td>Registration</td>
</tr>
</tbody>
</table>

### Monday, December 19, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 18:00</td>
<td>Engineering Hall, Rooms 113 &amp; 114</td>
<td>Registration</td>
</tr>
<tr>
<td>8:25 – 8:40</td>
<td>Wenzhi Tang Hall</td>
<td>Opening Ceremony</td>
</tr>
<tr>
<td>8:40 – 10:40</td>
<td>Wenzhi Tang Hall</td>
<td>Plenary Session 1</td>
</tr>
<tr>
<td>10:40 – 11:00</td>
<td>Engineering Hall, Hallway</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>11:00 – 12:50</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 1</td>
</tr>
<tr>
<td>12:50 – 14:00</td>
<td>University Canteen</td>
<td>Lunch</td>
</tr>
<tr>
<td>14:00 – 15:50</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 2</td>
</tr>
<tr>
<td>15:50 – 16:10</td>
<td>Engineering Hall, Hallway</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>16:10 – 18:00</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 3</td>
</tr>
<tr>
<td>18:30 – 21:00</td>
<td>SJTU Hotel</td>
<td>The Sponsored Societies and Friends Dinner (by invitation only, closed)</td>
</tr>
</tbody>
</table>

### Tuesday, December 20, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 18:00</td>
<td>Engineering Hall, Rooms 113 &amp; 114</td>
<td>Registration</td>
</tr>
<tr>
<td>8:20 – 10:20</td>
<td>Wenzhi Tang Hall</td>
<td>Plenary Session 2</td>
</tr>
<tr>
<td>10:20 – 10:40</td>
<td>Engineering Hall, Hallway</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>10:40 – 12:30</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 4</td>
</tr>
<tr>
<td>12:30 – 13:40</td>
<td>University Canteen</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:40 – 15:30</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 5</td>
</tr>
<tr>
<td>15:30 – 15:50</td>
<td>Engineering Hall, Hallway</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>15:50 – 17:40</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 6</td>
</tr>
<tr>
<td>18:30 – 21:00</td>
<td>Hua Ting Hotel &amp; Towers</td>
<td>The Conference Banquet</td>
</tr>
</tbody>
</table>

### Wednesday, December 21, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 18:00</td>
<td>Engineering Hall, Rooms 113 &amp; 114</td>
<td>Registration</td>
</tr>
<tr>
<td>8:20 – 10:20</td>
<td>Wenzhi Tang Hall</td>
<td>Plenary Session 3</td>
</tr>
<tr>
<td>10:20 – 10:40</td>
<td>Engineering Hall, Hallway</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>10:40 – 12:30</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 7</td>
</tr>
<tr>
<td>12:30 – 13:40</td>
<td>University Canteen</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:40 – 15:30</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 8</td>
</tr>
<tr>
<td>15:30 – 15:50</td>
<td>Engineering Hall, Hallway</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>15:50 – 17:40</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 9</td>
</tr>
<tr>
<td>18:00 – 20:30</td>
<td>4298 Binjiang Avenue</td>
<td>Huangpu River Cruise</td>
</tr>
</tbody>
</table>

### Thursday, December 22, 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 – 17:00</td>
<td>Engineering Hall, Rooms 113 &amp; 114</td>
<td>Registration</td>
</tr>
<tr>
<td>9:00 – 10:20</td>
<td>Wenzhi Tang Hall</td>
<td>Pao-Lu Hsu Award Ceremony Session</td>
</tr>
<tr>
<td>10:20 – 10:40</td>
<td>Engineering Hall, Hallway</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>10:40 – 12:30</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 10</td>
</tr>
<tr>
<td>12:30 – 13:40</td>
<td>University Canteen</td>
<td>Lunch</td>
</tr>
<tr>
<td>13:40 – 15:30</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 11</td>
</tr>
<tr>
<td>15:30 – 15:50</td>
<td>Engineering Hall, Hallway</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>15:50 – 17:40</td>
<td>Engineering Hall</td>
<td>Parallel Sessions 12</td>
</tr>
</tbody>
</table>
James O. Berger is the Arts and Sciences Professor of Statistics at Duke University. He was president of the Institute of Mathematical Statistics from 1995-1996 and of the International Society for Bayesian Analysis during 2004. He was the founding director of the Statistical and Applied Mathematical Sciences Institute, serving from 2002-2010. He was co-editor of the Annals of Statistics from 1998-2000 and was a founding editor of the Journal on Uncertainty Quantification in 2012. Berger is a Fellow of the ASA and the IMS and has received Guggenheim and Sloan Fellowships. He received the Committee of Presidents of Statistical Societies 'President's Award' in 1985, was the COPSS Fisher Lecturer in 2001 and the Wald Lecturer of the IMS in 2007. He was elected as a foreign member of the Spanish Real Academia de Ciencias in 2002, elected to the USA National Academy of Sciences in 2003, was awarded an honorary Doctor of Science degree from Purdue University in 2004, and became an Honorary Professor at East China Normal University in 2011. He has directed 34 Ph.D. students, written or edited 16 books, and published over 180 papers.

Title: Gaussian Process Emulation of Computer Models with Massive Output

Location and Time: Wenzhi Tang Hall, Monday, December 19, 9:40 – 10:40

Abstract: Often computer models yield massive output; e.g., a weather model will yield the predicted temperature over a huge grid of points in space and time. Emulation of a computer model is the process of finding an approximation to the computer model that is much faster to run than the computer model itself (which can often take hours or days for a single run). Most successful emulation approaches are statistical in nature, but these have only rarely attempted to deal with massive computer model output; some approaches that have been tried include utilization of multivariate emulators, modeling of the output (e.g., through some basis representation, including PCA), and construction of parallel emulators at each grid point, with the methodology typically based on use of Gaussian processes to construct the approximations. These approaches will be reviewed, with the startling computational simplicity with which the last approach can be implemented being highlighted and its remarkable success being illustrated and explained. All results will be illustrated with a computer model of volcanic pyroclastic flow, the goal being the prediction of hazard probabilities near active volcanoes.
Professor Tony Cai

Tony Cai received his Ph.D. from Cornell University in 1996 and is currently the Dorothy Silberberg Professor of Statistics at the Wharton School, a professor in the Applied Mathematics and Computational Science Graduate Group, and an Associate Scholar of the Department of Biostatistics and Epidemiology in the Perelman School of Medicine at the University of Pennsylvania. He is the recipient of the 2008 COPSS Presidents' Award, a Fellow and a Medallion Lecturer of the Institute of Mathematical Statistics. He is an associate editor of the Journal of the Royal Statistical Society, Series B, and a past Editor of the Annals of Statistics.

His research interests include high dimensional statistics, large-scale multiple testing, nonparametric function estimation, functional data analysis, and statistical decision theory.

Title: An Integrative Framework for Two-Sample Sparse Inference

Location and Time: Wenzhi Tang Hall, Monday, December 19, 8:40 – 9:40

Abstract: The conventional approach to 2-sample multiple testing is to first reduce the data matrix to a single vector of p-values and then choose a cutoff along the rankings to adjust for multiplicity. However, this inference framework often leads to suboptimal multiple testing procedures due to the loss of information in the data reduction step. In this talk, we introduce a new framework for two-sample multiple testing by constructing primary and auxiliary variables from the original observations and incorporating both in the inference procedure to improve the power. A data-driven multiple testing procedure is developed by employing a covariate-assisted ranking and screening (CARS) approach that optimally combines the information from both the primary and auxiliary variables.

The proposed CARS procedure is shown to be asymptotic valid with proper control of the false discovery rate (FDR). Numerical results confirm the effectiveness of CARS in FDR control and show that it achieves substantial power gain over existing methods.
Professor Kai-Tai Fang

Kai-Tai Fang is Professor in Statistics and Director of the Institute of Statistics and Computational Intelligence, Beijing Normal University – Hong Kong Baptist University United International College (UIC). He was elected as Fellow of the Institute of Mathematical Statistics (IMS) in 1992, Fellow of the American Statistical Association (ASA) in 2001, and an elected member of the International Statistical Institute (ISI) in 1985. Professor Fang visited Yale University and Stanford University for two years and was invited as a Guest Professor in Swiss Federal Institute of Technology and a Visiting Professor in University of North Carolina at Chapel Hill. He was a Deputy Director of the Institute of Applied Mathematics, Academia Sinica, Beijing from 1984 to 1992. He had been Chair Professor of Department of Mathematics, Hong Kong Baptist University from 1993 to January 2006, Director of Statistics research and Consultancy Centre from 1992 to 2005 and Head of the department from 2002 to 2005.

His research interests are in statistics, more specific, in experimental design, multivariate analysis and data mining. He has published 22 books and more than 260 refereed papers. He was in Editorial Boards of Statistics and Probability letters, Statistica Sinica, Journal of Multivariate Analysis, and International Statistical Review. He was the co-inventor of the uniform experimental design, which is used by engineers to expedite product development. He developed new methods for inference in generalized multivariate analysis. Professor Fang received a number of awards including the State Natural Science Award at the Second Level with Wang Yuan in 2008 and the ICSA distinguished achievement award issued by the International Chinese Statistical Association in 2014.

Recent Development of the Uniform Design

Location and Time: Wenzhi Tang Hall, Tuesday, December 20, 8:20 – 9:20

Abstract: The uniform design (UD) has been widely use in various fields since 1978. Its theory has been systematically developed in the past decades. In this talk I shall focus on the development of the uniform design in several aspects, such as lower bounds of the discrepancy, construction of uniform designs, uniform minimum aberration designs and applications of the uniformity in other designs including the fractional factorial design and supersaturated design.
Professor Zhiming Ma

Zhi-Ming Ma is a professor of The Academy of Math and Systems Science, CAS, and is the dean of the School of Mathematical Science, USTC. He has made contributions to the theory of Dirichlet forms and other subjects of stochastic analysis. Recently he has been involved in the research direction of applications of probability and statistics to other areas. He was an Invited Speaker at ICM 1994, and a Medallion Lecturer at the 2008 World Congress in Probability and Statistics. Being recognized for his contributions, he was awarded the First Class Prize for Natural Sciences by CAS, the Max-Planck Research Award by the Max-Planck Society and AvH, the Chinese National Natural Sciences Prize, the S. S. Chern Mathematics Prize, the Hua Loo-Keng Mathematics Prize, and other prizes.

Professor Ma was elected an Academician of CAS in 1995, a Fellow of TWAS in 1998, and a Fellow of IMS in 2008. He was the President of the Chinese Mathematical Society in the period of 2000-2003 and in the period of 2008-2011. He served for the International Mathematical Union (IMU) as an Executive Committee member in 2003-2006, and as a Vice President in 2007-2010. He was the Chairman of the Organizing Committee of ICM 2002. He is now the Chairman of the Scientific Program Committee of ICIAM2015.

Title: Some Thoughts about Bayesian Method in Phylogenetics

Location and Time: Wenzhi Tang Hall, Wednesday, December 21, 8:20 – 9:20

Abstract: Bayesian method has now been used in analysis of phylogenetics by more and more researchers. Yet because of its theoretical and computational difficulties, there are still various problems and challenge in this attractive research direction. In this talk I shall introduce some of our thoughts and questions in this aspect. The topics are based on the discussion in our joint seminar with biologists, and some related work of my former student who is now working in this direction.
Professor Marc A. Suchard

Marc A. Suchard is a Professor in the Departments of Biostatistics, of Biomathematics and of Human Genetics in the UCLA Fielding School of Public Health and David Geffen School of Medicine at UCLA. He earned his Ph.D. in biomathematics from UCLA in 2002 and continued for a M.D. degree which he received in 2004. Dr. Suchard is a leading Bayesian statistician who focuses on inference of stochastic processes in genomics and for massive datasets in healthcare. His training in both medicine and applied probability help to bridge the gap of understanding between statistical theory and clinical practicality. Dr. Suchard has been awarded several prestigious statistical awards such as the 2003 Savage Award, the 2006 and 2011 Mitchell Prizes, as well as a 2007 Alfred P. Sloan Research Fellowship in computational and molecular evolutionary biology, and a 2008 Guggenheim Fellowship to further computational statistics. Finally, he received the 2011 Raymond J. Carroll Young Investigator Award and the 2013 Committee of Presidents of Statistical Societies (COPSS) Presidents' Award for outstanding contributions to the statistics profession by a person aged 40 or under.

Title: Inference for Discrete Outcome Stochastic Processes at Scale

Location and Time: Wenzhi Tang Hall, Wednesday, December 21, 9:20 - 10:20

Abstract: Researchers struggle with likelihood-based inference from count data that arise continuously in time but we only intermittently observe them. A major shortcoming lies in our inability to integrate most underlying stochastic processes generating the data over all possible realizations between observations. Since these processes are ubiquitous across the natural, physical and social sciences as generative models, solutions should promote the use of statistical inference in many real-world problems. One seemingly trivial example is a stochastic compartmental model tracking the count of susceptible, infectious and removed people during the spread of an infectious disease. For over 90 years, many have believed the transition probabilities of this SIR model remain beyond reach. However, applying a novel re-parameterization, integral transforms and other tools from numerical analysis shows that we can compute the transition probabilities in merely quadratic complexity in terms of the observed change in population size. Other stochastic processes for modest numbers of outcomes, such as those employed to model molecular sequence evolution, yield well to advancing computing technology, such as many-core parallelization. Examples in this talk stem from the dynamics of influenza across the global and the 2014-2015 West African Ebola outbreak.
Title: Moving beyond the Comfort Zone to Practice Translational Statistics

Location and Time: Wenzhi Tang Hall, Tuesday, December 20, 9:20 – 10:20

Abstract: The primary goal for conducting a clinical study is to use efficient and reliable inference procedures to obtain robust, clinically interpretable results with respect to risk-benefit perspectives for individual patients in a well-defined target population. Unfortunately most conventional inference procedures somehow are not readily translational. We will use several examples to illustrate the issues and concerns of the conventional wisdom and then propose some trivial alternatives. For instance, meta-analysis has been routinely utilized to estimate an overall treatment difference with the summary data from multiple comparative clinical studies for heterogeneous patients’ populations. The conventional fixed and random effects model procedure (and most recently, the network meta-analysis) has several well-known technical issues to render non-robustness for its practical usage. More importantly, these commonly used methods do not seem following a fundamental principle of conducting a study. That is, it may not be able to identify a meaningful target population for which the resulting between-group difference summary measure can be applied with a clear clinical interpretation. In this talk, we show a simple, robust procedure based on a mixture population concept and provide a clinically meaningful between-group contrast summary for a well-defined study population. We will use the data from three recent meta analyses to illustrate the issues and concerns about the conventional procedures and also to demonstrate the new proposal under the practical setting. If time is permitted, we will discuss the issues of other inference procedures, such as the standard stratified analysis or analysis of covariance. (Joint work with Takahiro Hasegawa, Brian Claggett, Lu Tian and Tianxi Cai.)
Professor Jun S. Liu

Jun Liu is Professor of Statistics at Harvard University, with a joint appointment in the Harvard School of Public Health. He was a Changjiang Scholar at Peking University, and also Guest Professor at Tsinghua University. Dr. Liu received his BS degree in mathematics in 1985 from Peking University and Ph.D. in statistics in 1991 from the University of Chicago. He held Assistant, Associate, and full professor positions at Stanford University from 1994 to 2003. Dr. Liu won the NSF CAREER Award and the Stanford Terman fellowship in 1995, won the Mitchell Award for the best statistics application paper in 2000. He was a Medallion Lecturer of the Institute of Mathematical Statistics (IMS) in 2002, a Bernoulli Lecturer in 2004, and a Kuwait Lecturer of Cambridge University in 2008. He was elected to Fellow of the IMS in 2004 and Fellow of the American Statistical Association in 2005. He served on numerous grant review panels of the NSF and NIH and editorial boards of numerous leading statistical journals. He was a co-editor of the Journal of the American Statistical Association.

In 2002, he received the prestigious COPSS Presidents' Award (given annually and jointly by five leading statistical associations to one individual under age 40). In 2010, he was awarded the Morningside Gold Medal in Applied Mathematics (honored once every 3 years to an individual of Chinese descent under age 45). In 2012, he was honored with the Outstanding Achievement Award by the International Chinese Statistical Association.

Title: In Search of Relationships: From R-squared to Semi-parametric Models

Location and Time: Wenzhi Tang Hall, Thursday, December 22, 9:00 – 10:20

Abstract: I will discuss a few recent results from my group in exploring the utility of inverse modeling for detecting nonlinear relationships. Our investigations bring together ideas from the naive Bayes modeling, Fisher’s linear discriminant analysis, and the sliced inverse regression for dimension reductions. These ideas center around the strategies related to “slicing” (aka, discretization) of the response variable. In one direction, we optimally slice one variable (or the response) to maximize a score function based on the likelihood ratio test. The resulting statistic, called the generalized R-square or G2, gives rise to a relationship measure taking values in [0,1] and can be viewed as a direct extension of the standard R-square. The G2 statistic is compared with some popular measures such as Distance Correlation, Pearson Correlation, Maximal Information Criterion, etc., on many simulated examples, and found superior for detecting highly nonlinear and non-smooth relationships. If time permit, we will also discuss some theoretical properties of sliced inverse regression in high dimensions.
Wenlin Dai, King Abdullah University of Science and Technology
- Title: Directional Depth and Outlyingness for Multivariate Functional Data
- Time: Tuesday, December 20, 17:05 – 17:30
- Young Researcher Award Paper Session II, Engineering Hall - Room 218

Mengyang Gu, Johns Hopkins University
- Title: Robust Gaussian Stochastic Process Emulation
- Time: Tuesday, December 20, 17:30 – 17:55
- Young Researcher Award Paper Session II, Engineering Hall - Room 218

Dungang Liu, University of Cincinnati
- Title: Surrogate residuals and diagnostics for regression models with an ordinal response
- Time: Tuesday, December 20, 17:10 – 17:35
- Invited Session 3, Engineering Hall - Room 229

Yang Ni, University of Texas, Austin
- Title: Bayesian Graphical Regression
- Time: Tuesday, December 20, 16:40 – 17:05
- Young Researcher Award Paper Session II, Engineering Hall - Room 218

Yixin Wang, Columbia University
- Title: Reweighted Data for Robust Probabilistic Models
- Time: Tuesday, December 20, 15:50 – 16:15
- Young Researcher Award Paper Session II, Engineering Hall - Room 218

Yu-Bo Wang, Eunice Kennedy Shriver National Institute of Child Health & Human Development, The National Institutes of Health
- Title: Adaptive Partition Weighted Approach for Estimating Marginal Posterior Density with Applications
- Time: Tuesday, December 20, 16:15 – 16:40
- Young Researcher Award Paper Session II, Engineering Hall - Room 218
Lingzhou Xue, Pennsylvania State University
- Title: Sufficient Forecasting Using Factor Models
- Time: Tuesday, December 20. 13:45 – 14:10
- Young Researcher Award Paper Session I, Engineering Hall - Room 218

Yifei Yan, University of California, Santa Cruz
- Title: A New Family of Error Distributions for Bayesian Quantile Regression
- Time: Tuesday, December 20. 14:35 – 15:00
- Young Researcher Award Paper Session I, Engineering Hall - Room 218

Yang Yu, University of North Carolina, Chapel Hill
- Title: Regularization Parameter Selection Methods for Kernel Ridge Regression
- Time: Tuesday, December 20. 15:00 – 15:25
- Young Researcher Award Paper Session I, Engineering Hall - Room 218

Yayuan Zhu, University of Texas MD Anderson Cancer Center
- Title: Non- and Semi-Parametric Analysis of Dependently Interval-Censored Failure Time Data due to Intermittent Visits
- Time: Tuesday, December 20. 14:10 – 14:35
- Young Researcher Award Paper Session I, Engineering Hall - Room 218
Conference Program

Sunday, December 18, 2016

Registration (9:00 - 20:00)
Location: Hua Ting Hotel & Towers

8:30 - 18:00, The First Eastern Asia Meeting on Bayesian Statistics
Location: Engeering Hall, Xuhui Campus, SJTU

8:30 – 16:45, 2016 International Conference on Biomedical Big Data
Location: Room 308, 3F, Hao Ran High-Tech Building, Xuhui Campus, SJTU
Monday, December 19, 2016

Location: Xuhui Campus of SJTU

8:00-18:00: Registration, Engineering Hall, Room 113 & Room 114 (1st floor)

8:25-8:40: Opening Ceremony, Wenzhi Tang Hall

Chair: Dong Han, Professor, Chair of the Local Organizing Committee, SJTU

8:25 - 8:30: Welcome Remarks: Jianshu Li, Dean of the School of Mathematical Sciences, SJTU
8:30 - 8:35: Welcome Remarks: Hui Lu, Chair of the Department of Bioinformatics and Biostatistics, SJTU
8:35 - 8:40: Welcome Remarks: Mei-Ling Ting Lee, President of ICSA

Plenary Session 1 (8:40-10:40), Wenzhi Tang Hall

8:40 – 9:40: Plenary Speaker 1: Tony Cai, University of Pennsylvania Philadelphia
   An Integrative Framework for Two-Sample Sparse Inference
   Chair: Weidong Liu, Shanghai Jiao Tong University

9:40 – 10:40: Plenary Speaker 2: James O. Berger, Duke University
   Gaussian Process Emulation of Computer Models with Massive Output
   Chair: Ming-Hui Chen, University of Connecticut

10:40 – 11:00 Coffee/Tea Break, Engineering Hall, Hallway

Parallel Sessions 1 (11:00-12:50), Engineering Hall

IA. Statistical Challenges in Neuroimaging and Related Areas (I) (Invited Session 14), Room 100
Organizer: Jian Zhang, University of Kent, Email: jz79@kent.ac.uk
Chair: Chunming Zhang, University of Wisconsin-Madison, Email: cmzhang@stat.wisc.edu

11:05 *Nonlinear Analysis in Neuroimaging*
Gary Green, University of York, Email: Gary.green@ynic.york.ac.uk

11:30 *Statistical Approaches to Estimating the Number of Signal Sources in Magnetoencephalography*
Zhigang Yao, National University of Singapore, Email: zhigang.yao@nus.edu.sg

11:55 *Quantile regression with varying coefficients for functional responses*
Linglong Kong, University of Alberta, Email: lkong@ualberta.ca

12:20 *Inferring Functional Brain Networks with MEG Data*
Jian Zhang, University of Kent, Email: jz79@kent.ac.uk

12:45 Floor Discussion

1B. ICSA-Canada Chapter Sponsored CJS Special Invited Session: “Models and Methods for Analysis of Complex Data” (Invited Session 24), Room 102

Organizer and Chair: Grace Y. Yi, University of Waterloo, Email: yyi@uwaterloo.ca

11:05 *An Autologistic Regression Model for Binary Classification of Hyperspectral Remote Sensing Imagery*
Mark Wolters, Fudan University, Email: mwolters@fudan.edu.cn

11:30 *Effects of Calibration in Longitudinal/Functional Data Analysis*
Nai syin Wang, University of Michigan, Email: nwangstat@gmail.com

11:55 *Conditional Screening with High Dimensional Survival Outcome*
Hyokyoung Grace Hong, Michigan State University, Email: hhong@stt.msu.edu

12:20 *Partially Linear Single-Index Regression for Accelerated Failure Time Models*
Wenqing He, University of Western Ontario, Email: whe@stats.uwo.ca

12:45 Floor Discussion

1C. Recent Advances in Computer Experiments (Invited Session 28), Room 105

Organizer and Chair: Min-Qian Liu, Nankai University, Email: mqliu@nankai.edu.cn

11:05 *Recent Advances in Design of Computer Experiments*
Dennis K. J. Lin, Pennsylvania State University, Email: DKL5@psu.edu
11:30 **Column-orthogonal designs and orthogonal Latin hypercube designs with multi-dimensional stratification**  
Jianfeng Yang, Nankai University, Email: jfyang@nankai.edu.cn

11:55 **Double-layer sliced Latin hypercube designs**  
Hao Chen, Tianjin University of Finance and Economics, Email: chlh1985@126.com

12:20 **Computer Experiments with Multiple Responses**  
Ruiyuan Cao, Beijing University of Technology, Email: crycry1209@foxmail.com

12:45 Floor Discussion

1D. New Development of Statistical Methods for Analysis of Genomic Data (Invited Session 71), **Room 218**

**Organizer:** Hongzhe Li, University of Pennsylvania, Email: Hongzhe@upenn.edu  
**Chair:** Jun Chen, Mayo Clinic, Chen.Jun2@mayo.edu

11:05 **Dissecting the Transcriptional Changes Underlying Somatic Mutations in Cancer Genomes**  
Lin Hou, Tsinghua University, Email: houl@tsinghua.edu.cn

11:30 **Kernel Machine Based Methods for Analyzing Genome Data from Different Sources**  
Michael Wu, Fred Hutchison Cancer Research Center, Email: mcwu@fredhutch.org

11:55 **Some New Statistical Testing Procedures for Gene Expression Analysis**  
Wen Zhou, University of Colorado, Email: riczw@stat.colostate.edu

12:20 **Pseudo-time Reconstruction and Evaluation in Single-cell RNA-seq Analysis**  
Hongkai Ji, Johns Hopkins University, Email: hji@jhu.edu

12:45 Floor Discussion

1E. Advanced Statistical Methods and Big Data (Invited Session 75), **Room 219**

**Organizer:** Mei-Ling Ting Lee, University of Maryland, Email: mltlee@umd.edu  
**Chair:** Weiliang Qiu, Harvard University, Email: stwxq@channing.harvard.edu

11:05 **Common and Distinctive Features of Survival and Reliability: Accelerated versus Threshold Regression Models**  
Catherine Huber, University Paris Descartes, Email: catherine.huber@parisdescartes.fr

11:30 **Boolean Networks for Big Data**  
Henry Horng-Shing Lu, National Chiao Tung University, Email: henryhslu@gmail.com
11:55 **The R Package thregS to Implement Threshold Regression Model in the Setting of Complex Surveys**  
Tao Xiao, Shenzhen University, Email: taoxiao@szu.edu.cn

12:20 **Online Updating of Survival Analysis in the Big Data Setting**  
Jing Wu, University of Connecticut, Email: jing.wu@uconn.edu

12:45 Floor Discussion

1F. Advances in Statistical Genetics and Genomics (Invited Session 82), **Room 224**

**Organizer:** Rui Feng, University of Pennsylvania, Email: ruifeng@upenn.edu  
**Chair:** Wei Lin, Peking University, Email: weilin@math.pku.edu.cn

11:05 **Kernel Machine Association Testing for Longitudinally-Measured Quantitative Phenotypes**  
Zuoheng Wang, Yale University, Email: zuoheng.wang@yale.edu

11:30 **RegODA: Univariate Regression Modeling for the Orthogonal Decomposition Analysis of Multiple Correlated Phenotypes in Genome-wide Association Studies**  
Xiaobo Guo, Sun Yat-Sen University, Email: guoxb3@mail.sysu.edu.cn

11:55 **Whole Genome Association Study of Brain-Wide Imaging Phenotypes: A Study of The PING Cohort**  
Canhong Wen, Sun Yat-Sen University, Email: wencanhong@gmail.com

12:20 **Integration of High-dimensional Genomic and Imagining Features for Risk Prediction of Lung Cancer**  
Fenghai Duan, Brown University, Email: Fenghai_Duan@brown.edu

12:45 Floor Discussion

1G. Advances in Bayesian Methods for Large Complex Data (Invited Session 114), **Room 202**

**Organizer and Chair:** Faming Liang, University of Florida, Email: faliang@ufl.edu

11:05 **Nearly optimal Bayesian Shrinkage for High Dimensional Regression**  
Qifan Song, Purdue University, Email: qfsong@purdue.edu

11:30 **A Bayesian Hierarchical Spatial Model for Dental Caries Assessment Using Non-Gaussian Markov Random Fields**  
Ick Hoon Jin, University of Notre Dame, Email: ijin@nd.edu

11:55 **Prediction Risk for Global-Local Shrinkage Regression**
Anindya Bhadra, Purdue University, Email: bhadra@purdue.edu

12:20 Bayesian Neural Networks for Selection of Anticancer Drug Response Genes
Faming Liang, University of Florida, faliang@ufl.edu

12:45 Floor Discussion

1H. New Advancements in Biostatistics (Invited Session 116), Room 106

Organizer and Chair: Yi-Hau Chen, Academia Sinica, Email: yhchen@stat.sinica.edu.tw

11:05 A Semiparametrically Efficient Estimator of the Time-Varying Effects for Survival Data with Time-Dependent Treatment
Huazhen Lin, Southwestern University of Finance and Economics, Email: hzlin@swufe.edu.cn

11:30 Semiparametric transformation Models for Interval-Censored Data with Longitudinal Covariates
Chyong-Mei Chen, Providence University, Email: cmchen2@pu.edu.tw

11:55 A Classification Method Based on Finite Mixture Models for Early Detection of Cancer
Wei-Wen Hsu, Kansas State University, Email: wwhsu@ksu.edu

12:20 Empirical Likelihood Based Tests for Stochastic Ordering under Right Censorship
Hsin-wen Chang, Academia Sinica, Email: hwchang@stat.sinica.edu.tw

12:45 Floor Discussion

II. Contemporary Clinical Trials/Contemporary Clinical Trials Communication Special Invited Session (Invited Session 120), Room 104

Organizers: Zhezhen Jin, Co-editor of CCTC, Columbia University,
            Email: zj7@cumc.columbia.edu, and
            Zheng Su, Editor of CCT and Co-editor of CCTC, Deerfield Institute,
            Email: zhengsucctc@gmail.com
Chair: Zheng Su, Deerfield Institute, Email: zhengsucctc@gmail.com

11:05 Prediction of Long Term Outcome from Pathological Complete Response for Early Breast Cancer
Xiaolong Luo, Celgene Corporation, Email: xluo@celgene.com

11:35 Robust Inference for Responder Analysis: Innovative Clinical Trial Design Using a Minimum p-value Approach
Yunzhi Lin, Takeda Development Center Americas, Inc., Email: yzlinn@gmail.com
12:05 A Novel Statistics Combining Unstratified and Stratified Logrank Statistics
Ming Zhu, AbbVie Inc, Email: ming.zhu@abbvie.com

12:35 Discussant
Anny-Yue Yin, Email: anny-yue.yin.ay2@roche.com

12:45 Floor Discussion

1J. Stochastic Differential Equation and Random Polymer (Invited Session 124), Room 207
Organizer and Chair: Xia Chen, University of Tennessee, Email: xchen@math.utk.edu

11:05 Subdiffusivity of a Random Walk among a Poisson System of Moving Traps on Z
Rongfeng Sun, National University of Singapore, Email: matsr@nus.edu.sg

11:30 Backward Stochastic Differential Equations Driven by Fractional Brownian Motion and Underlying Standard Brownian Motion
Yuecai Han, Jilin University, Email: hanycc@jlu.edu.cn

11:55 Intermittency of Stochastic Partial Differential Equations
Bin Xie, Shinshu University, Email: bxie@shinshu-u.ac.jp

12:20 Moment Asymptotics for Parabolic Anderson Equations with Gaussian Noise
Xia Chen, University of Tennessee, Email: xchen@math.utk.edu

12:45 Floor Discussion

1K. Statistical Leadership in Drug Development in China (Invited Session 129), Room 107
Organizer: Yanping Wang, Eli Lilly and Company, Email: wang_yanping@lilly.com
Chair: Chao Zhu, Asia-Pacific Statistical Sciences-China, Eli Lilly and Company,
Email: zhu_chao_sh@lilly.com

11:05 Becoming Strategic Drug Developers: How We Contribute with Statistical Expertise
Nicole Li, Director, AP Site Head of Biostatistics, Roche, Email: nicole_f.li@roche.com

11:30 Don’t Be a Statistician, Be a Drug Developer Who Happens to Know Statistics
Ouhong Wang, Head of Biostatistics and Programming, Amgen Asia R&D Center,
Email: owang@amgen.com

11:55 How to Work beyond Being a Statistical Copycat in China Medicines Development?
Bingming Yi, Head of Statistics, Epidemiology, and Data Management, GSK R&D
Shanghai, Email: Bingming.2.Yi@GSK.com

12:20 What and Where We Can Do More and Better
Yue Wang, Sr. Director, Head of GMD China B&I Group, AstraZeneca China, Email: yue.wang5@astrazeneca.com

12:45 Floor Discussion

1L. JSS Sponsored Invited Session: “Probability Distributions: Recent Advances and Applications” (Invited Session 146), Room 220

Organizer and Chair: Xiaoling Dou, Waseda University, Email: xiaoling@aoni.waseda.jp

11:05 Method of Moments in Analysis of Algorithms: A Selected Survey
Hsien-Kuei Hwang, Institute of Statistical Science Academia Sinica, Email: hkhwang@stat.sinica.edu.tw

11:30 Testing Dimensionality of Multivariate Variance Components
Satoshi Kuriki, The Institute of Statistical Mathematics, Email: kuriki@ism.ac.jp

11:55 The Bivariate Lack-of-Memory Distributions
Gwo Dong Lin, Institute of Statistical Science Academia Sinica, Email: gdlin@stat.sinica.edu.tw

12:20 B-spline Copula and Its Estimation
Xiaoling Dou, Waseda University, Email: xiaoling@aoni.waseda.jp

12:45 Floor Discussion

1M. High-Dimensional Big Data Integration with Biomedical Applications (Invited Session 159), Room 228

Organizer and Chair: Hulin Wu, University of Texas Health Science Center at Houston, Email: Hulin.Wu@uth.tmc.edu

11:05 BioKDE: A Platform for Biological Big Data Integration and Analysis
Jinfeng Zhang, Florida State University, Email: jfzhang3@gmail.com

11:30 Data Analysis and Control of the Transmission of Dengue in Guangzhou
Xia Wang, Shaanxi Normal University, Email: xinshijie1986@163.com

11:55 Bi-level Event Detection in High-Dimensional Dynamic Systems
Hongyu Miao, University of Texas Health Science Center at Houston, Email: Hongyu.Miao@uth.tmc.edu

12:20 Composite Likelihood Inference on Stochastic Block Model for Big Networks
Ningtao Wang, University of Texas Health Science Center at Houston,
Email: Ningtao.Wang@uth.tmc.edu

12:45 Floor Discussion

1N. ICSA-New England Chapter Sponsored Invited Session: “Statistics in the Paradigm of Precision Medicine Development” (Invited Session 160), Room 214

Organizer: Mei-Hsiu Ling, Vertex Pharmaceuticals, Email: Mei-hsiu_ling@vrtx.com
Chair: Xiaohong Huang, Vertex Pharmaceuticals, Email: Xiaohong_huang@vrtx.com

11:05 A Simulation Study Using MCP-Mod in a Phase IIb Dose-Ranging Study Design in a Rare Disease
Lei Hua, Vertex Pharmaceuticals, Email: Lei_hua@vrtx.com

11:30 Combination Rule in the Rare Disease Domain (Design and Testing Strategy)
Nitin Nair, Vertex Pharmaceuticals, Email: Nitin_nair@vrtx.com

11:55 Bayesian Modeling in Phase II Dose-Escalation Study for an Ultra-Rare Disease
Yimeng Lu, Alexion Pharmaceuticals, Email: luy@alxn.com

12:20 Methods for Identifying Promising Subpopulations of Patients
Brian Claggett, Brigham and Women’s Hospital and Harvard Medical School, Email: bclaggett@partners.org

12:45 Floor Discussion

1O. New Challenges in Subgroup Analysis (Invited Session 163), Room 226

Organizer: Frank Bretz, Novartis Pharma, Email: frank.bretz@novartis.com
Chair: Dong Xi, Novartis Pharma, Email: dong.xi@novartis.com

11:05 Sensitive Subpopulation Finding with Biomarkers in a Randomized Clinical Trial
Satoshi Morita, Kyoto University Graduate School of Medicine, Email: smorita@kuhp.kyoto-u.ac.jp

11:30 Optimal Two-Stage Adaptive Enrichment Designs, using Sparse Linear Programming
Michael Rosenblum, Johns Hopkins University Bloomberg School of Public Health, Email: mrosen@jhu.edu

11:55 Bias Correction in Subgroup Analysis
Lu Tian, Stanford University School of Medicine, Email: lutian@stanford.edu

12:20 Regularized Outcome Weighted Subgroup Identification with Smooth Hinge Loss
Shixue Liu, Pfizer (China) R&D Center, Email: Shixue.Liu@pfizer.com
12:45 Floor Discussion

1P. BioStatistical Methods and Biological Application for Health Sciences (Invited Session 172), Room 208

Organizer and Chair: Mounir Mesbah, University Pierre et Marie Curie Paris 6, Email: mounir.mesbah@upmc.fr

11:05 Study of the effect of metal trace elements from old antimony mine on plant communities by cluster analysis
Alima Bentellis, Constantine University, Email: alima.bentellis@yahoo.fr

11:30 Can Blinded Safety Review Be Informative? --- How to Decipher Safety Information from Blinded Data?
Peter H. Hu, Merck Co. & Inc., Email: peter_hu@merck.com

11:55 Genomic Modelling for Cancer Survival Prediction
Philippe Broet, French National Health Institute (Inserm) Villejuif, Email: philippe.broet@inserm.fr

12:20 Oxidative Stress Tolerance Induced by Antimony in Endophytic Aspergillus SP Resistant to Antimony: Its Possible Role in Bioremediation of Heavy Metal Polluted Soils
Oualida Rached, Constantine University, Email: oualida.rached@hotmail.fr

12:45 Floor Discussion

1Q. Bayesians Analysis in Medical Research (Invited Session 190), Room 222

Organizer: Aileen Zhu, Novartis, Email: Aileen.zhu@novartis.com
Chair: Xiaolei Xun, Novartis, Email: Xiaolei.xun@novartis.com

11:05 On the Use of Cauchy Prior Distributions for Bayesian Logistic Regression
Yingbo Li, Department of Mathematical Sciences, Clemson University, Email: ybli@clemson.edu

11:30 A Bayesian Approach for Determining Dose-Response Relationships Based on Multiple Models
A. Lawrence Gould, Merck and Co., Email: goulda@merck.com

11:55 A Bayesian Hierarchical Model to Account for Excessive Zero Counts for the Safety Signal Detection
Aileen Zhu, Novartis, Email: Aileen.zhu@novartis.com

12:20 A General Bayesian Method for Dose Finding in Phase I Oncology Trials
Jin Xu, East China Normal University, Email: jxu@stat.ecnu.edu.cn

12:45 Floor Discussion

1R. Complex data analysis and its Applications (Invited Session 192), Room 103

Organizer: Niansheng Tang, Yunnan University, Email: nstang@ynu.edu.cn
Chair: Huiqiong Li, Yunnan University, Email: lihuiqiong2005@hotmail.com

11:05 Distribution-free Inference of Zero-Inflated Binomial Data for Longitudinal Studies
Jun Hu, Yunnan University, Email: 897891746@qq.com

11:30 Copula-Based Stochastic Block Model and Community Structure in Networks
Xuedong Chen, Huzhou University, Email: xdchen@hutc.zj.cn

11:55 Nonparametric regression for Zero-Inflated Poisson model
Guoxin Zuo, Central China Normal University, Email: zuogx@mail.ccnu.edu.cn

12:20 A Novel and Efficient Algorithm for De Novo Discovery of Mutated Driver Pathways in Cancer
Binghui Liu, Northeast Normal University, Email: liubh100@nenu.edu.cn

12:45 Floor Discussion

1S. Contributed Session 1, Recent Development of Nonparametric Methods with Applications, Room 108

Chair: Dipak K. Dey, University of Connecticut, Email: dipak.dey@uconn.edu

11:05 Nonparametric Density Estimation for Symbolic Data
Hoyoung Park, Seoul National University, Email: hyparks@snu.ac.kr

11:20 A Multivariate Distance-Based Test: Microbial Interdependence Non-parametric Test (MINT)
Yilong Zhang, Merck Research Lab, Email: elong0527@gmail.com

11:35 A Nonparametric Composite Likelihood Approach to Multiple Change-Point Problems
Hang Xu, The University of Hong Kong, Email: xhang@hku.hk

11:50 The Use of Permutation Tests for the Analysis of Cluster-Randomized Trials
Rui Wang, Harvard University, Email: rwang@hsph.harvard.edu

12:05 A Wavelet-based Test for Serial Correlation
Haotian Xu, University of Geneva, Email: haotian.xu@unige.ch
Han Lin Shang, Australian National University, Email: hanlin.shang@anu.edu.au

12:35 Floor Discussion

1T. Contributed Session 2, Statistical Methods for Classification and Estimating Treatment Effects with Applications, Room 229

Chair: Lin Fei, Cincinnati Children’s Hospital Medical Center, University of Cincinnati, Email: lin.fei@uc.edu

11:05 Building Classification Models with Combined Biomarker Tests: Application to Early Detection of Liver Cancer
Dion Chen, Jassen R&D, LLC, Email: dchen97@its.jnj.com

11:20 Tree Based Weighted Learning for Estimating Individualized Treatment Rules with Censored Data
Yifan Cui, University of North Carolina, Email: cuiy@live.unc.edu

Guanbo Wang, McGill University, Email: guanbo.wang@mail.mcgill.ca

11:50 Assessment of Statistical Power in Relation to Distance Between Propensity-Score Matched Samples
Fumiya Sano, Seikei University, Email: fumiya.sano@keio.jp

12:05 Confidence Regions for Treatment Effects in Subgroups in Biomarker Stratified Designs
Fang Wan, Lancaster University, Email: f.wan@lancaster.ac.uk

12:20 Subgroup Analysis of Treatment Effects for Misclassified Biomarkers with Time-To-Event Data
Andrew Titman, Lancaster University, Email: a.titman@lancaster.ac.uk

12:35 Floor Discussion

12:50 - 14:00: Lunch
Parallel Sessions 2 (14:00-15:50), Engineering Hall

2A. Statistical Challenges in Neuroimaging and Related Areas (II) (Invited Session 15), Room 102

Organizers: Zudi Lu, University of Southampton, Email: Z.Lu@soton.ac.uk, and Jian Zhang, University of Kent, Email: jz79@kent.ac.uk
Chair: Zudi Lu, University of Southampton

14:05 New Semiparametric Estimation Procedure for Functional Coefficient Longitudinal Data Models
Jia Chen, University of York, Email: jia.chen@york.ac.uk

14:30 Nonparametric Kernel-Based Estimation for Time-Varying Coefficient Models with Multivariate Integrated Regressors
Degui Li, University of York, Email: degui.li@york.ac.uk

14:55 A Combined Procedure for Testing Multiple Hypotheses
Zeng-hua (Zen) Lu, University of South Australia, Email: Zen.Lu@unisa.edu.au

15:20 On Asymptotic Optimality of the Cross-Validation Selected Bandwidth for Complex Spatial Data: Case of Density Estimation
Zudi Lu, University of Southampton, Email: Z.Lu@soton.ac.uk

15:45 Floor Discussion

2B. New for Definitive Screening Designs (Invited Session 27), Room 105

Organizer and Chair: Bradley Jones, JMPP Division/SAS, Email: Bradley.Jones@jmp.com

14:05 Composite Designs Based on Orthogonal Arrays and Definitive Screening Designs
Hongquan Xu, University of California at Los Angeles, Email: hqxu@stat.ucla.edu

14:30 Definitive Screening Design: An Important Class of Circulant-Type Design
Frederick Phoa, Institute of Statistical Science, Academia Sinica, Email: fredphoa@webmail.stat.sinica.edu.tw

14:55 Blocking DSDs and DSD-based Mixed Level Screening Designs
Nam Ky Nguyen, Vietnam Institute for Advanced Study in Mathematics, Email: Nguyen.namky@gmail.com

15:20 Design Centric Model Selection for Definitive Screening Designs
Bradley Jones, JMP Division of SAS Institute, Email: Bradley.Jones@jmp.com
15:45 Floor Discussion

2C. New Developments in Error Models and Observation Study (Invited Session 35), Room 208

Organizer and Chair: Qihua Wang, Chinese Academy of Sciences, Email: qhwang@amss.ac.cn

14:05 Analysis of Error-Contaminated Survival Data
Grace Y. Yi, University of Waterloo, Email: yyi@uwaterloo.ca

14:35 Linear Model Selection when Covariates Contain Errors
Xinyu Zhang, Chinese Academy of Sciences, Email: xinyu@amss.ac.cn

15:05 Dealing with Truncation by Death in Causal Inference from Observational Data
Xiao-Hua Zhou, University of Washington, Email: azhou@uw.edu

15:35 Discussant
Hua Liang, George Washington University, Email: hliang@email.gwu.edu

15:45 Floor Discussion

2D. Statistical Methods for Modeling Complex Dependency Structures (Invited Session 70), Room 219

Organizer and Chair: Dave Zhao, University of Illinois, Email: dave.zhao@gmail.com

14:05 Graphical Model Estimation in Heterogenous Populations
Ali Shojaie, University of Washington, Email: ashojaie@uw.edu

14:30 Testing and Multiple Testing Arbitrary Dependence by Quantile-Based Contingency Table
Jichun Xie, Duke University, Email: jichun.xie@duke.edu

14:55 Covariance Estimation for Compositional Data via Composition-Adjusted Thresholding
Hongzhe Li, University of Pennsylvania, Email: Hongzhe@upenn.edu

15:20 Graphical Latent Regression-Multinomial Mixture for Modeling Complex Dependence
Zhi Wei, New Jersey Institute of Technology, Email: zhiwei04@gmail.com

15:45 Floor Discussion

2E. Recent Developments of Survival Data Analysis (Invited Session 72), Room 218

Organizer and Chair: Xinyuan Song, The Chinese University of Hong Kong,
Email: xysong@sta.cuhk.edu.hk

14:05 *Nonparametric inference of right censored data with smoothing splines*  
Yuanyuan Lin, The Chinese University of Hong Kong, Email: ylin@sta.cuhk.edu.hk

14:30 *An Additive-Multiplicative Mean Residual Life Model for Right Censored Data*  
Jingheng Cai, Sun Yat-Sen University, Email: caijheng@mail.sysu.edu.cn

14:55 *Analysis of Field Return Data with Failed-But-Not-Reported Events*  
Zhisheng Ye, National University of Singapore, Email: yez@nus.edu.sg

15:20 *Bayesian Approach for Joint Modeling of Survival Data with Latent Variables*  
Deng Pan, Huazhong University of Science and Technology,  
Email: pand.whu@gmail.com

15:45 Floor Discussion

**2F. Recent Advances in the Analysis of Complex Data (Invited Session 73), Room 107**

Organizer and Chair: Jian Huang, University of Iowa, Email: jian-huang@uiowa.edu

14:05 *Network-based Feature Screening with Applications to Genome Data*  
Xingdong Feng, Shanghai University of Finance and Economics,  
Email: feng.xingdong@mail.shufe.edu.cn

14:30 *Simultaneous selection for responses and predictors in multivariate regression*  
Jianhua Hu, Shanghai University of Finance and Economics,  
Email: hu.jianhua@mail.shufe.edu.cn

14:55 *Nonparametric Fixed Effects Model for Panel Data with Locally Stationary Regressors*  
Tao Huang, Shanghai University of Finance and Economics,  
Email: huang.tao@mail.shufe.edu.cn

15:20 *Asynchronous longitudinal data analysis*  
Hongyuan Cao, University of Missouri, Email: caohong@missouri.edu

15:45 Floor Discussion

**2G. New Insights from Biomedical Research and Big Data Analytics (Invited Session 86), Room 103**

Organizer: Wing Kam Fung, the University of Hong Kong, Email: wingfung@hku.hk  
Chair: Jinfeng Xu, the University of Hong Kong, Email: xujf@hku.hk
14:05 Prognostic Accuracy for Semi-Parametric Mixture Cure Models
Yongzhao Shao, New York University, Email: Yongzhao.Shao@nyumc.org

14:30 Estimation of Semivarying Coefficient Time Series Models with ARMA Errors
Lei Huang, Southwestern Jiaotong University, Email: stahl@home.swjtu.edu.cn

14:55 Analysis of Clustered Survival Data using Frailty Models
Antai Wang, New Jersey Institute of Technology, Email: antai.wang@njit.edu

15:20 Group-Combined P-values with Applications to Genetic Association Studies
Qizhai Li, Chinese Academy of Sciences, Email: liqz@amss.ac.cn

15:45 Floor Discussion

2H. Recent Advances in Integrative Analysis of Omics Data (Invited Session 88), Room 228

Organizer: Taesung Park, Seoul National University, Email: tspark@stats.snu.ac.kr
Chair: Seungyeoun Lee, Sejong University, Email: leesy@sejong.ac.kr

14:05 Integrative Omics without Boiling the Ocean
Kristel Van Steel, University of Liège, Belgium, Email: kristel.vansteen@ulg.ac.be

14:30 Integrating genotype and phenotype data to uncover therapeutic targets and markers in cancer
Grace S. Shieh, Institute of Statistical Science, Academia Sinica,
Email: gshieh@stat.sinica.edu.tw

14:55 Testing for genetic associations in arbitrarily structured populations
Minsun Song, Sookmyung Women's University, Email: minsuns@sookmyung.ac.kr

15:20 ANALYSIS OF MULTI-OMICS DATA FOR IDENTIFYING MUTI-MARKERS: APPLICATION TO PANCREATIC CANCER
Taesung Park, Seoul National University, Email: tspark@stats.snu.ac.kr

15:45 Floor Discussion

2I. Missing Data Issues in Regulatory Clinical Trials (Invited Session 90), Room 226

Organizer: Junfang Li, Kyowa Kirin Pharmaceutical Development, Inc.
Email: June.Li@KyowaKirin.com
Chair: Ming T. Tan, Georgetown University, Email: Mtt34@georgetown.edu

14:05 Missing Data Issues in Regulatory Clinical Trials
James Hung, FDA, Email: HsienMing.Hung@fda.hhs.gov
14:25 Missing Data – Avoidance Strategies and Practical Approaches for Analyses to Address the Issue of Missing Data in Pivotal Trials
Kevin J Carroll, Sheffield University, UK, Email: kevin.carroll@kjcstatistics.co.uk

14:45 U-STATISTICS FOR SOME MISSING DATA MODELS
Ao Yuan, Georgetown University, Email: ay321@georgetown.edu

15:05 The Role of Sensitivity Analyses and Off-Treatment Follow-Up for Handling Missing Data in Clinical Trials
Guoxing Soon, FDA, Email: guoxing.soon@fda.hhs.gov

15:25 Coping with missing data in Phase III pivotal registration trials: Tolvaptan in Subjects with kidney disease, A Case Study
Junfang Li, Kyowa Kirin Pharmaceutical Development, Inc., Email: une.Li@KyowaKirin.com

15:45 Floor Discussion

2J. Big data in Drug Development (Invited Session 111), Room 220

Organizers: Tony Guo, Merck & Co., Email: xiang.guo@merck.com and Ivan Chan, Merck & Co., Email: ivan_chan@merck.com
Chair: Tony Guo, Merck & Co., Email: xiang.guo@merck.com

14:05 Construction of Disease Prediction Model Based on OMICs Data
Feng Chen, Nanjing Medical University, Email: dr.chenfeng@163.com

14:35 Analyze Cancer-Immune Genomics Data to Explore Predictive Biomarker for Immune Checkpoint Inhibitor
Xiaoqiao Liu, MSD China, Email: xiao.qiao.liu@merck.com

15:05 Real World Data in Pharmaceutical Development
Gang Li, Johnson & Johnson, Email: GLi@its.jnj.com

15:35 Discussant
Qin Huang, CFDA CDE, Email: huangq@cde.org.cn
Nicole Li, Roche, Email: nicole_f.li@roche.com
Tong Guo, Bayer, Email: tong.guo@bayer.com

15:45 Floor Discussion

2K. Large Dimensional Matrices (Invited Session 125), Room 207

Organizer and Chair: Zhou Wang, National University of Singapore, Email: stazw@nus.edu.sg
14:05 *Largest Eigenvalue of F Matrices*
Guangming Pan, Nanyang Technological University, Email: gmpan@ntu.edu.sg

14:30 *Skewness-coskewness Matrix and Its Limiting Behavior*
Zhi Liu, University of Macau, Email: liuzhi@umac.mo

14:55 *High Dimensional Correlation Matrices: CLT and Its Applications*
Yanrong Yang, Australian National University, Email: yanrong.yang@monash.edu

15:20 *Estimate Canonical Correlation Coefficients of High-Dimensional Normal Vectors*
Jiang Hu, Northeast Normal University, Email: huj156@nenu.edu.cn

15:45 Floor Discussion

**2L. Statistical Genetics and Genomics (Invited Session 141), Room 104**

Organizer: Fei Zou, University of Florida, Email: fayzou@phhp.ufl.edu
Chair: Faming Liang, University of Florida, Email: faliang@ufl.edu

14:05 *Shrinkage-based Methods for the Use of External Study Samples to Increase Sample Sizes While Mitigating for Possible Biases in Rare Variant Association Analysis*
Seunggeun Lee, University of Michigan, Email: leeshawn@um.edu

14:30 *Strategies for Conducting Multi-Locus Analysis Using Single-Locus Summary Statistics*
Kai Yu, US National Cancer Institute, Email: kayu@mail.nih.gov

14:55 *Chi-square Test for Pathway Difference in Systems Epidemiology*
Zhongshang Yuan, Shandong University, Email: yuanzhongshang@163.com

15:20 *The Collaborative Cross, a Community Mouse Resource for Complex Traits*
Fei Zou, University of Florida, Email: fayzou@ufl.edu

15:45 Floor Discussion

**2M. Removing Effects of Confounding Variables (Invited Session 153), Room 106**

Organizer: Art Owen, Stanford University, Email: owen@stat.Stanford.EDU
Chair: Jiahua Chen, University of British Columbia, Email: jhchen@stat.ubc.ca

14:05 *Removing Unwanted Variation with Replicates and Negative Controls*
Johann Gagnon-Bartsch, University of Michigan, Email: johanngb@umich.edu

14:30 *Degrees of freedom for combining multiple regression with factor analysis*
Patrick Perry, NYU Stern School of Business, Email: pperry@stern.nyu.edu
14:55 Confounder Adjustment in Multiple Hypotheses Testing  
Jingshu Wang, Stanford University, Email: jingshuw@stanford.edu

15:20 Addressing Confounding Factors Problems with Instrumental Variables  
Gabriela Cohen Freue, University of British Columbia, Email: qcohen@stat.ubc.ca

15:45 Floor Discussion

2N. SSC and ICSA-Canada Chapter Sponsored Special Tutorial Session: “Data Science: Who Cares?” (Invited Session 154), Room 100

Organizer and Chair: Edward Chen, P. Stat, Statistical Society of Canada,  
Email: chenedw00@yahoo.com

14:05 Data Science: Challenges, Opportunities and Future Outlook  
S. Ejaz Ahmed, Dean, Faculty of Mathematics and Science, Brock University, Canada,  
Email: dean.fms@brocku.ca

14:45 Data Science: Novel Training Programs  
Charmaine Dean, Dean, Faculty of Science, Western University, Canada,  
Email: science dean@uwo.ca

15:25 Discussant  
Xiao-Li Meng, Dean, Graduate School of Arts and Science, Harvard University,  
Email: meng@stat.harvard.edu

15:45 Floor Discussion

2O. ICSA-Biometrics Section Sponsored Invited Session: “Biostatistical Research for Survival, Longitudinal and Multivariate Data” (Invited Session 162), Room 224

Organizer and Chair: Mei-Cheng Wang, Johns Hopkins University, Email: mcwang@jhu.edu

14:05 Latent Variable Approaches for Estimating Gestational Age from Longitudinal Anthropometric Measurements  
Ana Ortega-Villa, Biostatistics and Bioinformatics Branch, NICHD, NIH, USA,  
Email: ana.ortega-villa@nih.gov

14:30 A Two-Stage Model for Wearable Device Data  
Jiawei Bai, Johns Hopkins University, Email: jia wei.bai@jhu.edu

14:55 Cox Model with Interval-Censored Covariate in Cohort Studies  
Myunghee Paik, Seoul National University, Email: myungheechopaik@gmail.com
15:20 *Pearson's Chi-square Test and Rank Correlation Inferences for Clustered Data*
Joanna Shih, Biometric Research Branch, National Cancer Institutes, USA,
Email: jshih@helix.nih.gov

15:45 Floor Discussion

2P. BioStatistical Methods and Models: Application for Health Sciences (Invited Session 173),
*Room 202*

**Organizer and Chair:** Mounir Mesbah, University Pierre et Marie Curie Paris 6,
Email: mounir.mesbah@upmc.fr

14:05 *Statistical Inference of Latent Class Models with Application to Mental Health Disorders*
Zhiliang Ying, Columbia University, Email: zying@stat.columbia.edu

14:30 *Clustering with Mixed “Big Data” Types*
Markatou Marianthi, The State University of New York at Buffalo,
Email: markatou@buffalo.edu

14:55 *Parametric Inference on Longitudinal Data Driven by Long Distance Memory Latent Processes*
Rachid Senoussi, French National Agronomic Research Institute (Inra) Avignon,
Email: rachid.senoussi@paca.inra.fr

15:20 *Health Related Quality of Life Measurement in Longitudinal Studies*
Mounir Mesbah, University Pierre et Marie Curie Paris 6,
Email: mounir.mesbah@upmc.fr

15:45 Floor Discussion

2Q. ISI Sponsored Invited Session: “How Bayesian Impacts Your Health: Bayesian Applications in Medical and Environmental Research” (Invited Session 187), *Room 214*

**Organizer and Chair:** Jing Zhang, Miami University, Email: zhangj8@miamioh.edu

14:05 *Bayesian Functional Enrichment Analysis for the Reactome Database*
Jing Cao, Southern Methodist University, jcao@mail.smu.edu

14:30 *A Bayesian’s Causal Inference Approach to Improve Patient Centered Care*
Bin Huang, Cincinnati Children’s Hospital, Email: bin.huang@cchmc.org

14:55 *Bayesian Dynamic Prediction of Soil Moisture in Oklahoma*
Ye Liang, Oklahoma State University, Email: ye.liang@okstate.edu
15:20 Bayesian Approach for Clustered Interval-censored Data with Time-varying Covariate Effects
Bin Zhang, Cincinnati Children’s Hospital, Email: bin.zhang@cchmc.org

15:45 Floor Discussion

2R. IISA Sponsored Invited Session: “Topics in Change-Point Estimation” (Invited Session 195), Room 222

Organizer: Moulinath Banerjee, University of Michigan, Email: moulib@umich.edu
Chair: Arindam Chatterjee, Indian Statistical Institute, Email: arindam.cha@gmail.com

14:05 Multiscale Inference for Blind Demixing
Merle Behr, University of Gottingen, Email: mbehr@gwdg.de

14:30 Simultaneous multiple change-point and factor analysis for high-dimensional time series
Haeran Cho, University of Bristol, Email: haeran.cho@bristol.ac.uk

14:55 Intelligent Sampling for Identifying Thresholds in Observed Databases and Time Series
Zhiyuan Lu, University of Michigan, Email: jnlu@umich.edu

15:20 Change-Point Modeling of Copy Number Aberrations in Cancer Genomics
Yuchao Jiang, University of Pennsylvania, Email: yuchaoj@wharton.upenn.edu

15:45 Floor Discussion

2S. Contributed Session 3, Recent Development in Adaptive Design, Dose Escalation/Finding, and Study Planning, Room 108

Chair: Spencer Lourens, Indiana University, Email: slourens@iu.edu

14:05 R shiny App for an Adaptive Bayesian Sequential Design: Interactive Onsite Treatment Assignments
Zunqiu Chen, Oregon Health & Science University, Email: chener@ohsu.edu

14:20 An Adaptive Multi-stage Phase I Dose-finding Design Incorporating Longitudinal Continuous Toxicity and Efficacy Outcomes
Yu Du, Johns Hopkins Bloomberg School of Public Health, Email: ydu10@jhu.edu

14:35 Dose Escalation with Over-dose and Under-dose Control in Phase I/II Clinical Trial
Zhengjia Chen, Emory University, Email: zchen38@emory.edu

14:50 Covariate-Adjusted Response-Adaptive Designs for Weibull Distributed Survival Responses
Ayon Mukherjee, Queen Mary University of London, Email: a.mukherjee@qmul.ac.uk

15:05 Repeated Measures Dose-Finding Design with Time Trend Detection in the Presence of Correlated Toxicity Data
Jun Yin, Mayo Clinic, Cancer Center Statistics, Email: vivien.jyin@gmail.com

15:20 A Class of Nonseparable Covariance Functions for Multivariate Additive Gaussian Process
Pulong Ma, University of Cincinnati, Email: mapn@mail.uc.edu

15:35 Floor Discussion

2T. Contributed Session 4, Models with Random Effects, Mixed Effects, or Multi-Scale Factors with Applications, Room 229

Chair: Yu-Bo Wang, Eunice Kennedy Shriver National Institute of Child Health & Human Development, The National Institutes of Health, Email: yu-bo.wang@nih.gov

14:05 Analysis of Longitudinal Survival Data with Multiple Features
Tao Lu, University of Nevada Reno, Email: stat.lu11@gmail.com

14:20 Random Effects Modelling in the Analysis of Extreme Values
Ali Reza Fotouhi, University of the Fraser Valley, Email: ali.fotouhi@ufv.ca

14:35 Trajectory Estimation from GPS Data Using an Adaptive Smoothing Spline
Zhanglong Cao, University of Otago, Email: zcao@maths.otago.ac.nz

14:50 Prism Regression: A Tool for Effect Modification and Data Integration to Sharpen the Effect of Race on Cancer Health Disparities
Huilin Yu, University of Miami, Email: h.yu71@med.miami.edu

15:05 Functional Mixed-effects Analysis of Variance for Human Movement Patterns
Bairu Zhang, Queen Mary University of London, Email: bairu.zhang@qmul.ac.uk

15:20 Estimating Modular Brain Connectivity from High-Dimensional fMRI Data using a Multi-Scale Factor Model
Chee-Ming Ting, Universiti Teknologi Malaysia, Email: cming@utm.my

15:35 Floor Discussion

Coffee/Tea Break (15:50 - 16:10), Engineering Hall, Hallway
Parallel Sessions 3 (16:10-18:00), Engineering Hall

3A. Methods for Large and Complex Data with Structural Information (Invited Session 10), Room 218

Organizer and Chair: Cheng Yong Tang, Temple University, Email: yongtang@temple.edu

16:15 DECO related feature space partitioning for distributed sparse regression
Chenlei Leng, University of Warwick, Email: C.Leng@warwick.ac.uk

16:40 Scalable Interpretable Multi-Response Regression via SEED
Zemin Zheng, University of Science and Technology of China, Email: zhengzm@ustc.edu.cn

17:05 The Constrained Dantzig Selector with Enhanced Consistency
Yinfei Kong, California State University Fullerton, Email: kingterkong@gmail.com

17:30 A New Scope of Penalized Empirical Likelihood with High-Dimensional Estimating Equations
Cheng Yong Tang, Temple University, Email: yongtang@temple.edu

17:55 Floor Discussion

3B. ICSA-Canada Chapter Sponsored Invited Session: “Recent Advance of Survival Data Analysis” (Invited Session 26), Room 222

Organizer: Grace Y. Yi, University of Waterloo, Email: yyi@uwaterloo.ca
Chair: Yanqing Sun, University of North Carolina Charlotte, Email: yasun@uncc.edu

16:15 NPMLE for Partially Observed Cured Data with Left Truncation and Right-Censoring
Ronghui Xu, University of California San Diego, Email: rxu@ucsd.edu

16:40 Some Issues in the Analysis of Survival Data with Measurement Error
Ying Yan, University of Calgary, Email: yytoto@gmail.com

17:05 Prediction Accuracy for the Cure Probabilities in Mixture Cure Model
Paul Peng, Queen’s University, Email: pengp@queensu.ca

17:30 Statistical estimation for heteroscedastic transformation regression models with unknown transformation function for censored data
Qihua Wang, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Email: qhwang@amss.ac.cn

17:55 Floor Discussion
3C. Recent Advances on Extreme Values (Invited Session 38), Room 226

Organizer and Chair: Huiyan Sang, Texas A&M University, Email: huiyan@stat.tamu.edu

16:15 Excursion Probabilities of Bivariate Gaussian Random Fields
   Yimin Xiao, Michigan State University, Email: xiaoyimi@stt.msu.edu

16:40 Estimation of High Quantile with Quantile Autoregression Model
   Deyuan Li, Fudan University, Email: deyuanli@fudan.edu.cn

17:05 Extreme Value Modeling via Copulas
   Mike Ka Pui SO, Hong Kong University of Science and Technology, Email: immkpso@ust.hk

17:30 Optimal Fingerprinting in Detection and Attribution of Changes in Climate Extremes with Combined Score Equations
   Zhuo Wang, University of Connecticut, Email: zhuo.wang.uconn@hotmail.com

17:55 Floor Discussion

3D. New Methods for Analyzing Spatial and Spatio-Temporal Data (Invited Session 59), Room 106

Organizer and Chair: Bo Li, University of Illinois at Urbana-Champaign, Email: libo@illinois.edu

16:15 Approaches for Massive Spatial Data and Applications in Remote Sensing
   Emily Kang, University of Cincinnati, Email: kangel@ucmail.uc.edu

16:40 Space-Time Covariances over Spheres
   Emilio Porcu, University Federico Santa Maria, Chile, Email: emilio.porcu@usm.cl

17:05 Spatially Clustered Time-Varying Lattice Models
   Huijing Jiang, IBM Thomas J. Watson Research Center, Email: huijiang@us.ibm.com

17:30 The Role of Covariances in Spatial Statistics
   Hao Zhang, Purdue University; zhanghao@purdue.edu

17:55 Floor Discussion

3E. Recent Advances in the Developments of Graphical and Network Models (Invited Session 60), Room 208

Organizer: Woncheol Jang, Seoul National University, Email: wcjang@snu.ac.kr
Chair: Joong-Ho Won, Seoul National University, Email: wonj@stats.snu.ac.kr

16:15 *Fisher exact scanning for dependency*
Li Ma, Duke University, Email: li.ma@duke.edu

16:40 *Consistent Community Detection in Multi-Relational Data Through Restricted Multi-Layer Stochastic Blockmodel*
Yuguo Chen, University of Illinois, Email: yuguo@illinois.edu

17:05 *Community Detection by SCORE, with Applications to Coauthorship and Citation Networks for Statisticians*
Jiashun Jin, Carnegie Mellon University, Email: jiashun@stat.cmu.edu

17:30 *Network Analysis of Ye-Song debate, a major political conflict in the last Monarchy in Korea based on the Annals of Joseon Dynasty*
Woncheol Jang, Seoul National University, Email: wcjang@snu.ac.kr

17:55 Floor Discussion

3F. New Inferential Procedures in Semiparametric Regression Models (Invited Session 91), Room 104

Organizer and Chair: Jinfeng Xu, the University of Hong Kong, Email: xujf@hku.hk

16:15 *Nonconvex Penalized Reduced Rank Regression and Its Oracle Properties*
Heng Lian, University of New South Wales, Email: heng.lian@unsw.edu.au

16:40 *Cluster Feature Selection in High Dimensional Linear Models*
Zhen Pang, The Hong Kong Polytechnic University, Email: zhen.pang@polyu.edu.hk

17:05 *On Nonsmooth Estimating Functions via Jackknife Empirical Likelihood*
Zhouping Li, Lanzhou University, Email: lizhp@lzu.edu.cn

17:30 *Semiparametric Inferences in the Censored Regression Models*
Jinfeng Xu, the University of Hong Kong, Email: xujf@hku.hk

17:55 Floor Discussion

3G. Statistical Advances in Bioinformatics and Integrative Genomics (Invited Session 113), Room 103

Organizer: Yongseok Park, University of Pittsburgh, Email: yongpark@pitt.edu
Chair: Zhengqing Ouyang, The Jackson Laboratory for Genomic Medicine, Email: zhengqing.ouyang@jax.org
16:15 Hypothesis Test of Mediation Effect in Causal Mediation Model with High-dimensional Continuous Mediators
Yen-Tsung Huang, Brown University, Email: yen-tsung_huang@brown.edu

16:40 Functional CAR Models for Large Spatially Correlated Functional Datasets
Lin Zhang, University of Minnesota, Zhan4800@umn.edu

17:05 Integrative Clustering of Multi-level Omics Data for Disease Subtype Discovery Using Sequential Double Regularization
Yongseok Park, University of Pittsburgh, Email: yongpark@pitt.edu

17:30 Joint Modeling for RNA Structurome Inference
Zhengqing Ouyang, The Jackson Laboratory for Genomic Medicine, Email: zhengqing.ouyang@jax.org

17:55 Floor Discussion

3H. Random Matrix Theory and Stochastic Algorithms (Invited Session 126), Room 207

Organizer and Chair: Wenxin Zhou, Princeton University, Email: wenxinz@princeton.edu
16:15 On the Local Single Ring Theorem
Zhigang Bao, The Institute of Science and Technology Austria, Email: zhigang.bao@ist.ac.at

16:40 Error Bounds for Sequential Monte Carlo Samplers for Multimodal Distributions
Daniel Paulin, National University of Singapore, Email: paulindani@gmail.com

17:05 One Dimensional Free Fermions at Finite Temperature and the MNS Matrix Model
Dong Wang, National University of Singapore, Email: matwd@nus.edu.sg

17:30 Optimal Convergence Rate for Online PCA
Junchi Li, Princeton University, Email: junchil@princeton.edu

17:55 Floor Discussion

3I. Precision Medicine and Big Data: from Bench to Bedside (Invited Session 127), Room 228

Organizers: Ying Yuan, University of Texas MD Anderson Cancer Center, Email: yyyuan@mdanderson.org and Peter Zhang, Otsuka Pharmaceutical Development & Commercialization, Inc., Email: peter.zhang@otsuka-us.com
Chair: Ying Yuan, University of Texas MD Anderson Cancer Center, Email: yyyuan@mdanderson.org
16:15 **Role of Subpopulation Identification and Big Data Analytics in Drug Development and Commercialization for Precision Medicine**  
Peter Zhang, Otsuka Pharmaceutical Development & Commercialization, Inc.,  
Email: peter.zhang@otsuka-us.com

16:35 **Optimal Sequential Enrichment Design for Phase II Clinical Trials**  
Ying Yuan, University of Texas MD Anderson Cancer Center,  
Email: yyuan@mdanderson.org

16:55 **A Cautionary Note on Using Cross-Validation for Molecular Classification**  
Qin Li-Xuan, Memorial Sloan Kettering Cancer Center, Email: qinx@mskcc.org

17:15 **Conditional Variable Screening in High-Dimensional Binary Classification**  
Guoqing Diao, George Mason University, Email: gdiao@gmu.edu

17:35 **Robust Subgroup Analysis in Clinical Trial and Precision Medicine**  
Ming T. Tan, Georgetown University, Email: ming.tan@georgetown.edu

17:55 Floor Discussion

3J. Missing Data Handling in Clinical Trials (Invited Session 136), **Room 102**

**Organizer:** Yankun Gong, Novartis, Email: Yankun.gong@novartis.com  
**Chair:** Aileen Zhu, Novartis, Email: aileen.zhu@novartis.com

16:15 **Estimate Treatment Effect among Completers in Clinical Trials**  
Cuiling Wang, Albert Einstein College of Medicine,  
Email: cuiling.wang@einstein.yu.edu

16:40 **Effect of Covariance Structure on Analyzing Randomized Clinical Trials with Missing Data**  
Suiheng Lin, Fudan University, Email: hslynn@shmu.edu.cn

17:05 **Pattern Mixture Model with Application in Clinical Trial**  
Shuguang Sun, Roche, Email: shuguang.sun@roche.com

17:30 **Investigations on Multiple Imputation**  
Yankun Gong, Novartis, Email: Yankun.gong@novartis.com

17:55 Floor Discussion

3K. JSS Sponsored Invited Session: “Towards Best Practice in Spatial and Point-Process Data Analysis” (Invited Session 145), **Room 202**
Organizer and Chair: Jiancang Zhuang, The Institute of Statistical Mathematics, Japan, Email: zhuangjc@ism.ac.jp

16:15 **CARMA Random Fields**
Yasumasa Matsuda, Tohoku University, Japan, Email: matsuda@econ.tohoku.ac.jp

16:40 **Background rates of swarm earthquakes that are synchronized with volumetric strain changes: An application of Point Process model to predict Swarm Earthquakes**
Takao Kumazawa, The Institute of Statistical Mathematics, Japan, Email: tkuma@ism.ac.jp

17:05 **Fluctuation Scaling in Point Processes**
Shinsuke Koyama, The Institute of Statistical Mathematics, Japan, Email: skoyama@ism.ac.jp

17:30 **Semi-parametric estimates of the long-term background trend, periodicity, and clustering effect in crime data**
Jiancang Zhuang, The Institute of Statistical Mathematics, Japan, Email: zhuangjc@ism.ac.jp

17:55 Floor Discussion

3L. ICSA-Shanghai Chapter Sponsored Invited Session: “MRCT Practice in China” (Invited Session 167), Room 220

Organizers: Yue Wang, AstraZeneca China, Email: yue.wang5@astrazeneca.com and Dejun Tang, Novartis China, Email:dejun.tang@novartis.com
Chair: Yi Cheng, Novartis China, Email: yi.cheng@novartis.com

16:15 **Performance Comparison of Consistency Trending Evaluation Approaches**
Jia Wang, AstraZeneca China, Email: jia.wang4@astrazeneca.com

16:45 **MRCTs for China Submission - Practice, Challenge and Future direction**
Sherry Zhao, Novartis China, Email: sherry.zhao@novartis.com

17:15 **Estimating the Consistency Assurance for China Subgroup in a Global Study**
Lianzhe Xu, AstraZeneca China, Email: lianzhe.xu@astrazeneca.com

17:45 **Discussant**
Feng Chen, Chair of CCTS (China Clinical Trial Statistician Working Group), Nanjing Medical University, Email: dr.chenfeng@163.com

17:55 Floor Discussion
3M. RSS Sponsored Invited Session: “New Models for Longitudinal/Survival Data and Beyond” (Invited Session 168), **Room 214**

**Organizer and Chair:** Jianxin Pan, The University of Manchester, UK, Email: jianxin.pan@manchester.ac.uk

16:15 *Survival Analysis under Referral Bias*
Hongsheng Dai, Essex University, UK, Email: hdaia@essex.ac.uk

16:40 *Range Distributed Target Detection for High Resolution Radar*
Jie Zhou, Sichuan University, Email: jzhou@scu.edu.cn

17:05 *Ignorability and Unbalanced Longitudinal Data*
Chao Huang, Cardiff University, UK, Email: HuangC12@cardiff.ac.uk

17:30 *Robust Hypothesis Testing for Asymmetric Nominal Densities under a Relative Entropy Tolerance*
Enbin Song, Sichuan University, Email: e.b.song@163.com

17:55 Floor Discussion

3N. Statistical Methods in Biomedical Research and Related Topics (Invited Session 193), **Room 107**

**Organizer:** Niansheng Tang, Yunnan University, Email: nstang@ynu.edu.cn
**Chair:** Jun Hu, Yunnan University, Email: 897891746@qq.com

16:15 *A new framework of statistical inferences based on the valid joint sampling distribution of the observed counts in an incomplete contingency table the observed counts in an*
Huiqiong Li, Yunnan University, Email: lihuiqiong2005@hotmail.com

16:40 *Power Calculation of Multi-step Combined Principal Components with Applications to Genetic Association Studies*
Zhengbang Li, Central China Normal University, Email: lizhengbang@mail.ccnu.edu.cn

17:05 *Sequential Safety Monitoring for Alerting and Stopping a Development Program*
Fei Chen, Janssen Research & Development, Johnson & Johnson, Email: fchen6@its.jnj.com

17:30 *To Select Variables One at Most in a Group for Logistic Regression under Case-Control Design*
Dongdong Pan, Yunnan University, Email: ddpan@ynu.edu.cn

17:55 Floor Discussion
3O. IISA Sponsored Invited Session: “Resampling Methods” (Invited Session 196), Room 219

Organizers: Arindam Chatterjee, Indian Statistical Institute, Email: cha@isid.ac.in and Moulinath Banerjee, University of Michigan, Email: moulib@umich.edu
Chair: Zhiyuan Lu, University of Michigan, Email: jhlu@umich.edu

16:15 Self-normalized Resampling of Long-Memory Time Series
Shuyang Bai, Boston University, Email: bsy9142@bu.edu

16:40 Pseudo-likelihood and bootstrapped pseudo-likelihood inference in logistic regression model with misclassified responses
Arindam Chatterjee, Indian Statistical Institute, Email: cha@isid.ac.in

17:05 A Resampling Procedure for Post-Model-Selection Inference under Linear Regression Models
Stephen Lee, Hong Kong University, Email: smslee@hku.hk

17:30 Robustness and the Regenerative Bootstrap for Markovian Data
Patrice Bertail, University of Paris, Nanterre, Email: patrice.bertail@gmail.com

17:55 Floor Discussion

3P. HKSS Sponsored Invited Session: “Recent Advances in Rank-based Analysis” (Invited Session 201), Room 224

Organizer and Chair: Philip L.H. Yu, The University of Hong Kong, Email: plhyu@hku.hk

16:15 The Use of Penalized Likelihood for Analyzing Ranking Data
Mayer Alvo, University of Ottawa, Mayer.Alvo@uottawa.ca

16:40 Logit Tree Models for Discrete Choice Data
Hong Lee, Hong Kong Polytechnic University, paul.h.lee@polyu.edu.hk

17:05 SIGNAL RECONSTRUCTION FROM RANKING DATA: AN INDIRECT INFERENCE APPROACH
Michael G. Schimek, Medical University of Graz, michael.schimek@medunigraz.at

17:30 LATENT-SCALE DISTANCE-BASED MODELS FOR RANK AGGREGATION
Philip L.H. Yu, The University of Hong Kong, plhyu@hku.hk

17:55 Floor Discussion
3Q. Special Invited Panel Session: “Global Statistical Collaborations: Opportunities Challenges and Future” (Invited Session 207), Room 100, 16:10-18:00

Organizers: Ying Lu, Stanford University, Email: ylu1@stanford.edu, and Ming-Hui Chen, University of Connecticut, Email: ming-hui.chen@uconn.edu

Moderator: Ying Lu, Stanford University, Email: ylu1@stanford.edu

Invited Panelists:

Jie Chen, Novartis, President of ISBS, Email: jie-1.chen@novartis.com

Ray-Bing Chen, National Cheng Kung University, Representative of CIPS, Email: rbchen@stat.ncku.edu.tw

Dongseok Choi, Oregon Health & Science University, President of KISS, Email: choid@ohsu.edu

Wing Kam Fung, The University of Hong Kong, President-Elect of IASC, Email: wingfung@hku.hk

Jack Gambino, Statistics Canada, President of Statistical Society of Canada (SSC), Email: jack.gambino@statcan.gc.ca

Xiangzhong Fang, Peking University, Representative of CAAS, Email: xzfang@math.pku.edu.cn

Huazhen Lin, Southwestern University of Finance and Economics, Representative of CPSS, Email: linhz@swufe.edu.cn

Manabu Iwasaki, Seikei University, President of JSS, Email: iwasaki@st.seikei.ac.jp

Amarjot Kaur, Merck & Co., Representative of IISA, Email: amarjot_kaur@merck.com

Chul Eung Kim, President of KSS, Yonsei University, Email: cekim@yonsei.ac.kr

Mei-Ling Ting Lee, University of Maryland, ICSA President, Email: mltlee@umd.edu

Francisco Louzada Neto, Universidade de São Paulo, São Carlos, President of Brazilian Statistical Association (ABE), Email: Louzada@icmc.usp.br

Waikeung Li, The University of Hong Kong, Representative of HKSS, Email: hrltlwk@hku.hk

Jianxin Pan, The University of Manchester, UK, Representative of RSS, Email: Jianxin.Pan@manchester.ac.uk

Alexandra Mello Schmidt, McGill University, Past President of ISBA,
Email: Alexandra.schmidt@mcgill.ca

Pedro Luis do Nascimento Silva, President of ISI, IBGE - National School of Statistical Sciences, Brazil, Email: pedronsilva@gmail.com

Jessica Utts, University of California at Irvine, President of ASA, Email: jutts@uci.edu

Ming Yuan, University of Wisconsin-Madison, IMS Representative, Email: myuan@stat.wisc.edu

3R. Recent Development of Statistics Methods in Psychology (Invited Session 210), Room 105

Organizer and Chair: Dongchu Sun, University of Missouri and East China Normal University, Email: sund@missouri.edu

16:15 Bayesian Hierarchical Models in Cognitive Psychology
   Jeff Rouder, University of Missouri, Email: RouderJ@missouri.edu

16:40 The Application of Classical and Bayesian Statistics to Implicit Learning
   Xiu-Yan Guo, East China Normal University, Email: xyguo@psy.ecnu.edu.cn

17:05 Topography-based Multivariate Method for Testing Neural Hypothesis in Non-Invasive Human Scalp Recordings
   Xing Tian, NYU-ECNU Institute of Brain and Cognitive Science at NYU Shanghai, Email: xing.tian@nyu.edu

17:30 Resting-state and “state” fMRI Analytic Methods and Application to Cognitive Neuroscience
   Yu-Feng Zang, Center for Cognition and Brain Disorders, Hangzhou Normal University, Email: zangyf@bnu.edu.cn or zangyf@gmail.com

17:55 Floor Discussion

3S. Contributed Session 5, Statistical Estimation and Testing with Applications, Room 108

Chair: Ao Yuan, Georgetown University, Email: ay321@georgetown.edu

16:15 Testing for Structural Breaks in the Presence of Data Perturbations
   Yushu Li, University of Bergen, Email: Yushu.Li@uib.no

16:35 Ranked Set Sampling Approach for Estimating Response of Developmental Programs with Linear Impacts under Successive Phases
   Girish Chandra, Indian Council of Forestry Research and Education,
Email: gchandra23@yahoo.com

**16:55 Analysis of Survival Using Stratified Cox Model on Dengue Fever Patients**  
Malim Muhammad, Universitas Muhammadiyah Purwokerto,  
Email: malim.muhammad@gmail.com

**17:15 Matrix-free REML for Linear Spatial-temporal State-space Models Using H-likelihood Methods**  
Chunxiao Wang, Oregon State University, Email: wangc@stat.oregonstate.edu

**17:35 Pathway Analysis for RNA-Seq Data Using a Score-Based Approach**  
Yi-Hui Zhou, North Carolina State University, Email: yihui_zhou@ncsu.edu

**17:55 Floor Discussion**

**3T. Contributed Session 6, Statistical Software and Applications of Statistical Methods/Models, Room 229**

Chair: Abidemi K. Adeniji, EMD Serono, Email: Abidemi.Adeniji@gmail.com

**16:15 iXplore: Software for Reproducible Interactive Data Visualization and Exploration**  
Zhicheng Ji, Johns Hopkins University, Email: zhichengji@gmail.com

**16:30 A Comparison of 5 Software Implementations Conducting Mediation Analysis**  
Liis Starkopf, University of Copenhagen, Email: list@sund.ku.dk

**16:45 Replacement or Dual Hub Port? A Study on the Port Relationship in the Yangtze River Delta and Pearl River Delta Regions**  
Yuhao Wu, The Chinese University of Hong Kong, Email: yuhaowu5@cuhk.edu.hk

**17:00 Power of Optimal Signal Detection Methods**  
Hong Zhang, Worcester Polytechnic Institute, Email: hzhang@wpi.edu

**17:15 Statistical Models for Thunderstorm Occurrences**  
Evans Gouno, University of South Brittany, Email: evans.gouno@univ-ubs.fr

**17:30 Seasonal Precipitation Prediction via Data-Adaptive Principal Component Regression**  
Joonpyo Kim, Seoul National University, Email: joonpyokim@snu.ac.kr

**17:45 Floor Discussion**

**The Sponsored Societies and Friends Dinner (SJTU Hotel)**  
18:30 – 21:00, December 19, 2016 (by invitation only, closed)
Tuesday, December 20, 2016
Location: Xuhui Campus of SJTU

8:00 - 18:00: Registration, Engineering Hall, Room 113 & Room 114 (1st floor)

Plenary Session 2 (8:20-10:20), Wenzhi Tang Hall

8:20 – 9:20: Plenary Speaker 3: Kai-Tai Fang, Beijing Normal University-Hong Kong Baptist University United International College
  Recent Development of the Uniform Design
  Chair: Ying Lu, Stanford University

9:20 – 10:20: Plenary Speaker 4: Lee-Jen Wei, Harvard University
  Moving beyond the Comfort Zone to Practice Translational Statistics
  Chair: Zhezhen Jin, Columbia University

Coffee/Tea Break (10:20 - 10:40)

Parallel Sessions 4 (10:40 - 12:30), Engineering Hall

4A. New Development in Hypothesis Testing (Invited Session 11), Room 208

Organizer and Chair: Cheng Yong Tang, Temple University, Email: yongtang@temple.edu

10:45 Phase Transitions for Clustering, Signal Recovery and Hypothesis Testing
  Wanjie Wang, National University of Singapore, Email: staww@nus.edu.sg

11:10 Tests for High Dimensional Generalized Linear Models
  Bin Guo, Southwestern University of Finance and Economics,
  Email: guobin@swufe.edu.cn

11:35 High Dimensional Two-Sample Covariance Matrix Testing via Super-Diagonals
  Jing He, Southwestern University of Finance and Economics,
  Email: he_jing@swufe.edu.cn
12:00 Simulation-Based Hypothesis Testing of High Dimensional Means under Covariance Heterogeneity
Jinyuan Chang, Southwestern University of Finance and Economics,
Email: jinyuan.chang@unimelb.edu.au

12:25 Floor Discussion

4B. New Generation of Genomic, Epigenomic, and Imaging Data Analysis in Mental Disorder Studies (Invited Session 22), Room 105

Organizer: Momiao Xiong, University of Texas School of Public Health and Fudan University,
Email: Momiao.xiong@gmail.com.
Chair: Fengzhu Sun, University of Southern California, Email: fsun@dornsife.usc.edu

10:45 Novel Statistical Inference for Brain Science and Mental Disorders
Jianfeng Feng, Warwick University and Fudan University.
Email: jianfeng.feng@warwick.ac.uk.

11:10 Novel integrated systems approach discovers cell specific genetic-transcriptomic-methylation networks and causal pathways underlying diseases
Zhixin Hu, Fudan University, China, Email: huzixin@fudan.edu.cn

11:35 New Development in Alignment-Free Genome and Metagenome Comparison
Fengzhu Sun, University of Southern California, Email: fsun@dornsife.usc.edu

12:00 Deep learning in multi-level causal genomic-epigenomic network analysis and its application to Alzheimer's disease studies
Momiao Xiong, University of Texas School of Public Health and Fudan University,
Email: Momiao.xiong@gmail.com

12:25 Floor Discussion

4C. Recent Advances in Biostatistical Methods (Invited Session 33), Room 106

Organizer: Mei-Ling Ting Lee, University of Maryland, Email: mltlee@umd.edu
Chair: Xin He, University of Maryland, Email: xinhe@umd.edu

10:45 Model-Assisted Approach for Estimating Average Causal Effect: A Bayesian Perspective
Bo Lu, Division of Biostatistics, The Ohio State University, Email: lu.232@osu.edu

11:10 Optimal AK Composite Estimators in Current Population Survey
Yang Chang, US Census Bureau, Email: Yang.Cheng@census.gov
11:35 *Network induced large covariance matrix estimation*  
Shuo Chen, University of Maryland; Email: Shuochen@umd.edu

12:00 *Modeling Non-Gaussian Time Series with Nonparametric Bayesian Model*  
Xinyi Xu, Department of Statistics, The Ohio State University, Email: xinyi@stat.osu.edu

12:25 Floor Discussion

4D. IASC Sponsored Invited Session: “Modern Statistical Modelling and Computational Methods for Complex Data” (Invited Session 40), Room 107

**Organizer:** Ying Chen, National University of Singapore, Email: stacheny@nus.edu.sg  
**Chair:** Chun-houh Chen, Institute of Statistical Science, Academia Sinica,  
Email: cchen@stat.sinica.edu.tw

10:45 *Asymmetric Conditional Correlations in Stock Returns*  
Yingcun Xia, National University of Singapore, Email: staxyc@nus.edu.sg

11:10 *Dimensional and Banded Vector Autoregressions*  
Qi-Wei Yao, London School of Economics, Email: q.yao@lse.ac.uk

11:35 *Backward Nested Descriptors Asymptotics with Inference on Stem Cell Differentiation*  
Stephan Huckemann, Georgia Augusta University Goettingen,  
Email: huckeman@math.uni-goettingen.de

12:00 *Acceleration of Convergence of the Alternating Least Squares Algorithm for Mixed Measurement Level Multivariate Data*  
Masahiro Kuroda, Okayama University of Science, Email: kuroda@soci.ous.ac.jp

12:25 Floor Discussion

4E. New Methods for Variable Selection and Big Data for Normal, Non-normal, and Time to Event Outcomes (Invited Session 55), Room 202

**Organizers:** Xiaoling Peng, BNU-HKBU United International College,  
Email xlpeng@uic.edu.hk,  
Zhihua Sun, Ocean University of China, Email: zhihuasun@ouc.edu.cn  
**Chair:** Can Yang, Hong Kong Baptist University, Email: eeyang@hkbu.edu.hk

10:45 *Feature Selection in High-Dimensional Survival Data with Linear Regression*  
Zhihua Sun, Ocean University of China, Email: zhihuasun@ouc.edu.cn

11:15 *AN APPROXIAMTED L0 REGULARIZATION ALGORITHM FOR GENERALIZED LINEAR MODELS*
Xiaoling Peng, BNU-HKBU United International College, Email: xlpeng@uic.edu.hk

11:45 Rotation Survival Forest for High Dimensional Censored Data
Hong Wang, Central South University, Email: wh@csu.edu.cn

12:15 Discussant
Gang Li, University of California at Los Angeles, Email: vli@ucla.edu

12:25 Floor Discussion

4F. ICSA-New England Chapter Sponsored Invited Session: “Structured Dimension Reduction: Estimation, Inference and Model Diagnostics” (Invited Session 65), Room 228

Organizers: Jun Yan, University of Connecticut, Email: jun.yan@uconn.edu, and Kun Chen, University of Connecticut, Email: kun.chen@uconn.edu.
Chair: Shujie Ma, University of California Riverside, Email: shujie.ma@ucr.edu

10:45 Dimension-reduction model-adaptive test for parametric single-index models: A dimension-reduction model-adaptive approach
Lixing Zhu, Hong Kong Baptist University, Email: lzh@math.hkbu.edu.hk

11:10 Functional Dimension Reduction
Yanyuan Ma, University of South Carolina, Email: yanyuan.ma@stat.sc.edu

11:35 Simulation based Bias Correction Methods for Complex Models
Stéphane Guerrier, University of Illinois at Urbana-Chapaign, Email: stephane@illinois.edu

12:00 A Concave Pairwise Fusion Approach to Subgroup Analysis
Shujie Ma, University of California Riverside, Email: shujie.ma@ucr.edu

12:25 Floor Discussion

4G. Data Optimization and Risk Control (Invited Session 97), Room 104

Organizer and Chair: Xianping Guo, Sun Yat-sen University, Email: mcsxp@mail.sysu.edu.cn

10:45 Some Optimization Problems for the Risk Model with Dependence Structure
Zhi Bing Liang, Nanjing Normal University, Email: liangzhibin111@hotmail.com

11:10 Discrete Time Zero-Sum Markov Games with First Passage Criteria
Qiu Li Liu, South China Normal University, Email: liuql2007@aliyun.com
11:35 Adaptive Spectral Estimation for Non-Stationary Multivariate Time Series
Shi Bin Zhang, Shanghai Maritime University, Email: sbzhang@shmtu.edu.cn

12:00 The AVaR Optimization Problems for semi-Markov Decision Processes
Xianping Guo, Sun Yat-sen, Email: mcsgxp@mail.sysu.edu.cn

12:25 Floor Discussion

4H. Recent Developments in Handling Multiplicity: Error Rates and Inference on Subgroups
(Invited Session 100), Room 218

Organizer: James Pan, Johnson & Johnson, Email: jpan3@its.jnj.com
Chair: Haiyan Xu, Johnson & Johnson, Email: hxu22@its.jnj.com

10:45 A Group Sequential Closed Testing Procedure Based on Simes Test for Clinical Trials with Multiple Objectives
Kentaro Sakamaki, Yokohama City University, Email: sakamaki@yokohama-cu.ac.jp

11:10 Errors in Multiple Testing Big and Small, More or Less
James Pan, Johnson & Johnson, Email: jpan3@its.jnj.com

11:35 Inference on Subgroups and All-comers Cognizant of Logical Relationships Among Efficacy Parameters
Szu-Yu Tang, Ventana Medical Systems, Inc. (Roche Group), Email: tang.142@buckeyemail.osu.edu

12:00 Logical Inference on Treatment Efficacy in Subgroups and Their Mixtures
Ying Ding, University of Pittsburgh, Email: YINGDING@pitt.edu

12:25 Floor Discussion

4I. SIB Special Invited Session: “Statistics in Genomics” (Invited Session 101), Room 224

Organizer and Chair: Hongkai Ji, Johns Hopkins University, Email: hj@jhu.edu

10:45 Robust Modeling of RNA Sequencing Data
Hui Jiang, University of Michigan, Email: jianhui@umich.edu

11:10 Statistics Requantitates the Central Dogma
Jingyi Li, University of California, Los Angeles, Email: jli@stat.ucla.edu

11:35 DNA Sequence+Shape Kernel Enables Alignment-Free Modeling of Transcription Factor Binding
Wenxiu Ma, University of California Riverside, Email: wenxiu.ma@ucr.edu
12:00 Improving Hierarchical Models Using Historical Data
   Zhaohui Qin, Emory University, Email: zhaohui.qin@emory.edu

12:25 Floor Discussion

4J. Biostatistics in Large Databases (Invited Session 117), Room 102

Organizer: Yi-Hau Chen, Academia Sinica, Email: yhchen@stat.sinica.edu.tw
Chair: Kuang-Fu Cheng, Taipei Medical University, Email: kfcheng@tmu.edu.tw

10:45 Extensions of the Sufficient Dimension Reduction
   Fei Jiang, University of Hong Kong, Email: feijiang@hku.hk

11:10 Oncology and Disease-Disease Study - from Data-base Approach to Translation Research
   Chang-I Chen, Taipei Medical University, Email: dcchen@tmu.edu.tw

11:35 The Association between Autoimmune Disease and Dementia
   Jin-Hua Chen, Taipei Medical University, Email: jh_chen@tmu.edu.tw

12:00 Model Selection for Marginal Regression Analysis of Longitudinal Data with Missing Observations and Covariate Measurement Error
   Chung-Wei Shen, National Chung Cheng University, Email: cwshen@ccu.edu.tw

12:25 Floor Discussion

4K. Topics in Multi-Regional Clinical Trials and Bridging Trials (Invited Session 130), Room 219

Organizer and Chair: Chao Zhu, Eli Lilly and Company (China), Email: zhu_chao_sh@lilly.com

10:45 Some Considerations on How to Participate MRCT in China - ICSA Dec 2016
   Yingxue Cathy Liu, Pfizer, Email: yingxue.liu@pfizer.com

11:10 A Nested Group Sequential Framework for Regional Evaluation in Global Drug Development
   Zhiwei Jiang, Merck & Co., Email: zhi.wei.jiang@merck.com

11:35 How Much General Population Data Should Be Used to Inform a Specific Sub-Population? -- Bayesian Dynamic Borrowing Methods for Bridging Study
   David Dejardin, Roche, Email: david.dejardin@roche.com
12:00 Bridging Study in Dose Finding Using Bayesian Logistic Regression Models
Tao Zhang, Shanghai Heng Rui Medicine Co. Ltd, Email: zt020200@hotmail.com

12:25 Floor Discussion

4L. CJS Special Invited Session: “BFF (Bayesian/frequentist/fiducial Inferences in the New Era of Data Science (No 1)” (Invited Session 137), Room 222

Organizer: Min-ge Xie, Rutgers University, Email: mxie@stat.rutgers.edu
Chair: Kai W. Ng, University of Hong Kong, Email: kaing@hku.hk

10:45 Fiducial Inference: Fisher's Big Blunder or Big Bang?
Xiao-Li Meng, Harvard University, Email: meng@stat.harvard.edu

11:15 Combining Inferences from Multiple Sources using Confidence Distributions: “Fusion Learning” - the Right Way
Regina Liu, Rutgers University, Email: rliu@stat.rutgers.edu

11:45 Generalized Fiducial Inference for High Dimensional Problems
Jan Hannig, University of North Carolina - Chapel Hill, Email: jan.hannig@unc.edu

12:15 Discussant
Min-ge Xie, Rutgers University, Email: mxie@stat.rutgers.edu

12:25 Floor Discussion

4M. Stochastic Differential Equations (Invited Session 149), Room 207

Organizer and Chair: Xicheng Zhang, Wuhan University, Email: XichengZhang@gmail.com

10:45 Long Time Behaviour of Stochastic Differential Equation with Singular Coefficients
Lihu Xu, Macau University, Email: lihuxu@umac.mo

11:10 The Stochastic Logarithmic SchröDinger Equation
Deng Zhang, Shanghai Jiao Tong University, Email: zhangdeng@amss.ac.cn

11:35 Well-posedness of Supercritical SDE Driven by Lévy Processes with Irregular Drifts
Guohuan Zhao, Chinese Academy of Science, Email: zhaoguohuan@gmail.com

12:00 The variational principles for a class of stochastic dissipative equations with advected quantities
Xin Chen, Shanghai Jiaotong University, Email: chenxin217@sjtu.edu.cn

12:25 Floor Discussion
4N. SSC Sponsored Invited Session: “Survey Sampling Theory and Practice” (Invited Session 150), Room 226

Organizer and Chair: Changbao Wu, University of Waterloo, Email: cbwu@uwaterloo.ca

10:45 Empirical Likelihood for Public-Use Survey Data
   Changbao Wu, University of Waterloo, Email: cbwu@uwaterloo.ca

11:10 Simplified Variance Estimation for Complex Designs
   David Haziza, University of Montreal, Canada, Email: haziza@dms.umontreal.ca

11:35 Saving Social Surveys: A Canadian Perspective
   Jack Gambino, Statistics Canada, Email: jack.gambino@statcan.gc.ca

12:00 Sampling under Constraints: Some Environmental Applications
   Louis-Paul Rivest, Laval University, Canada, Email: Louis-Paul.Rivest@mat.ulaval.ca

12:25 Floor Discussion

4O. New Methods for Analyzing Sensitivity, Covariance and Design (Invited Session 169), Room 229

Organizer: Jianxin Pan, The University of Manchester, UK,
   Email: jianxin.pan@manchester.ac.uk
Chair: Yongdao Zhou, Sichuan University, Email: ydzhou@scu.edu.cn

10:45 Distributed Detection Fusion via Monte Carlo Importance Sampling
   Xiaojing Shen, Sichuan University, Email: xiao23332@163.com

11:10 Joint modelling of between-subject and within-subject covariance matrices
   Yi Pan, The University of Manchester, UK, Email: ypan1988@gmail.com

11:35 Augmented Uniform Designs
   Yongdao Zhou, Sichuan University, Email: ydzhou@scu.edu.cn

12:00 Shrinkage Estimation of the Covariance Matrix for Portfolio Choice Using High-Frequency Data
   Ningning Xia, Shanghai University of Finance and Economics,
   Email: xia.ningning@mail.shufe.edu.cn

12:25 Floor Discussion

4P. KSS Sponsored Invited Session: “Modeling and Analysis of Complex Biomedical Data” (Invited Session 175), Room 220
Organizer and Chair: Donguk Kim, Sungkyunkwan University, Email: dkim@skku.edu

10:45 Association Analysis of Repeatedly Observed RNA Sequencing Data
Sungho Won, Seoul National University, Email: sunghow@gmail.com

11:10 Statistical Validation in Dynamic Molecular Systems for Gene Regulatory Networks
Jaejik Kim, Sungkyunkwan University, Email: jaejik@skku.edu

11:35 Penalized Exponential Tilt Model for Analysis of High-dimensional DNA Methylation Data
Hokeun Sun, Pusan National University, Email: hsun@pusan.ac.kr

12:00 A Critical Look at Entropy-Based Gene-Gene Interaction Measures
Woojoo Lee, Inha University, Email: lwj221@gmail.com

12:25 Floor Discussion

4Q. IMS Sponsored Invited Session: “Large Scale Statistical Inferences” (Invited Session 197), Room 100

Organizer: Ming Yuan, University of Wisconsin-Madison, Email: myuan@stat.wisc.edu
Chair: Rajarshi Mukerjee, Stanford University, Email: rajmrt23@gmail.com

10:45 Tractable Non-Convexity: Matrix Completion, Saddlepoints, and Gradient Descent
Jason Lee, University of California, Berkeley, Email: jasondlee88@gmail.com

11:10 CARS: Covariate Assisted Ranking and Screening for Large-Scale Two-Sample Inference
Wenguang Sun, University of Southern California, wenguans@marshall.usc.edu

11:35 Testing uniformity on high-dimensional spheres against symmetric and asymmetric spiked alternatives
Davy Paindaveine, Université libre de Bruxelles, Email: dpaindav@me.com

12:00 Moralization and Interventions: Learning large-scale sparse DAG models with interventions
Garvesh Raskutti, University of Wisconsin-Madison, Email: garvesh@gmail.com

12:25 Floor Discussion

4R. Recent Advances in Biostatistics and Bioinformatics (Invited Session 203), Room 103

Organizers: Hongyu Zhao, Yale University, Email: hongyu.zhao@yale.edu, and Yuping Zhang, University of Connecticut, Email: yuping.zhang@uconn.edu
Chair: Haim Bar, University of Connecticut, Email: haim.bar@uconn.edu
10:45 Robust analysis of multiple secondary phenotypes in case-control genome-wide association studies
Elizabeth Schifano, University of Connecticut, Email: elizabeth.schifano@uconn.edu

11:10 Network Inference for Metagenome Data
Minghua Deng, Peking University, Email: dengmh@pku.edu.cn

11:35 Deep learning predicts regulatory elements from sequence
Rui Jiang, Tsinghua University, Email: ruijiang@tsinghua.edu.cn

12:00 A New Statistical Method for Longitudinal High-Dimensional Data Analysis
Yuping Zhang, University of Connecticut, Email: yuping.zhang@uconn.edu

12:25 Floor Discussion

4S. Special Invited Panel Session on CFDA’s Biostatistics Guideline for Clinical Trials (Invited Session 209), Room 214, 10:40-12:30

Organizers: Ivan Chan, Vice President of Pipeline Statistics and Programming, AbbVie, Email: ivan.chan@abbvie.com and Jie Chen, Sr. Global Group Head, Biostatistical Science & Pharmacometrics, Novartis, President of ISBS, Email: jie-1.chen@novartis.com

Moderator: Jie Chen, Novartis, Email: jie-1.chen@novartis.com

Panelists:

Feng Chen, Professor Biostatistics and Dean of School of Public Health, Najing Medical University, Email: dr.chenfeng@163.com

Qin Huang, Center for Drug Evaluation, CFDA, Email: huangq@cde.org.cn

Frank Shen, Vice President of Data and Statistical Science, AbbVie, Email: Frank.Shen@abbvie.com

Jielai Xia, Professor of Biostatistics, The 4th Military Medical University, Email: xiajielai@fmmu.edu.cn

Chen Yao, Professor of Biostatistics, Peking University, Email: yaoc301@vip.sina.com, yaochen.pucri@foxmail.com

Naiqing Zhao, Professor of Biostatistics, Fudan University School of Public Health, Email: nqzhao@126.com
4T. Contributed Session 7, Statistical Methods and Models for Survival Data with Applications, Room 108

Chair: Sangwook Kang, Yonsei University, Email: kanggi1@yonsei.ac.kr

10:45 Sensitivity Analyses for Informative Censoring in Survival Data: A Trial Example
Yanning Liu, Janssen Pharmaceuticals, Email: yliu@its.jnj.com

11:05 Current Status Data in the Presence of a Terminal Event
Lu Mao, University of Wisconsin - Madison, Email: lmao@biostat.wisc.edu

11:25 Statistical Methods for Cancer Survival Analysis using Public Health Data
Dahhay Lee, National Cancer Center, Korea, Email: dafnelee@ncc.re.kr

11:45 Logistic-AFT Location-Scale Cure Models for the Relative Survival with an Application to HCV Mono-Infected Patients
Yuh-Chyuan Tsay, Institute of Statistical Science, Academia Sinica, Email: yctsay@stat.sinica.edu.tw

12:05 Comparing Relative Survival and Cause-Specific Survival in Population-based Survival Analysis
Bo-Ra Yeon, National Cancer Center, Korea, Email: bryeon90@gmail.com

12:25 Floor Discussion

Lunch (12:30 - 13:40)

Parallel Sessions 5 (13:40 - 15:30), Engineering Hall

5A. New Methods for Analyzing High Dimensional Data (Invited Session 12), Room 100

Organizers: Cheng Yong Tang, Temple University, Email: yongtang@temple.edu, and Yichao Wu, North Carolina State University, Email: wu@stat.ncsu.edu
Chair: Yichao Wu, North Carolina State University, Email: wu@stat.ncsu.edu

13:45 Indirect Gaussian Graph Learning beyond Gaussianity
Yiyuan She, Florida State University, Email: yshe@stat.fsu.edu
14:10 Penalized Principal Logistic Regression for Sparse Sufficient Dimension Reduction
14:35 **High-dimensional A-learning for Optimal Dynamic Treatment Regimes**
Rui Song, North Carolina State University, Email: rsong@ncsu.edu

15:00 **Gradient-induced Model-free Variable Selection**
Junhui Wang, City University of Hong Kong, Email: junhwang@cityu.edu.hk

15:25 Floor Discussion

5B. ICSA-Canada Chapter Sponsored Invited Session: “New Methods of Lifetime History Data” (Invited Session 25), **Room 224**

Organizer: Wenqing He, University of Western Ontario, Email: whe@stats.uwo.ca
Chair: Ronghui Xu, University of California San Diego, Email: rxu@ucsd.edu

13:45 **Variance estimation in censored regression**
Zhezhen Jin, Columbia University, Email: zj7@cumc.columbia.edu

14:10 **Event Time Analysis in the Study of Chronic Beryllium Disease**
Chengcheng Hu, University of Arizona, Email: hucc@email.arizona.edu

14:35 **Censoring Unbiased Survival Trees**
Liqun Diao, University of Waterloo, Email: l2diao@uwaterloo.ca

15:00 **Efficient Estimation of Varying Coefficient Linear Transformation Model for Interval Censored Data**
Xingqiu Zhao, The Hong Kong Polytechnic University, Email: xingqiu.zhao@polyu.edu.hk

15:25 Floor Discussion

5C. Statistical Methods for Big Data (Invited Session 46), **Room 202**

Organizer: Jianwen Cai, University of North Carolina at Chapel Hill, Email: cai@bios.unc.edu
Chair: Yanyan Liu, Wuhan University, Email: liuyy@whu.edu.cn

13:45 **Embracing Blessing of Dimensionality in Factor Models**
Quefeng Li, University of North Carolina at Chapel Hill, Email: quefeng@email.unc.edu

14:10 **Semiparametric Efficient and Doubly Robust Estimators for Single-Index Hazards Model**
Jicai Liu, Shanghai Normal University, Email: liujicai1234@126.com
14:35 C-learning: A New Classification Framework to Estimate Optimal Dynamic Treatment Regimes
Min Zhang, University of Michigan, Email: mzhangst@umich.edu

15:00 Removing Unwanted Variation Using both Control and Target Genes in Single Cell RNA Sequencing Studies
Mengjie Chen, University of North Carolina at Chapel Hill, Email: mengjie@email.unc.edu

15:25 Floor Discussion

5D. Recent Development in Statistical Methods for Clinical and Survey Designs (Invited Session 47), Room 106

Organizer and Chair: Ying Wei, Columbia University, Email: yw2148@cumc.columbia.edu

13:45 Bayesian Predictive Inference for Finite Population Quantiles in Skewed Survey Data
Qixuan Chen, Columbia University, Email: qc2138@cumc.columbia.edu

14:10 An Optimal Method for Covariate Balancing and Its Properties
Feifang Hu, George Washington University, Email: feifang@email.gwu.edu

14:35 Building Personalized Treatment Regimens from SMART Studies
Min Qian, Columbia University, Email: mq2158@cumc.columbia.edu

15:00 Sequential designs for individualized dosing finding
Ken Cheng, Columbia University, Email: yc632@cumc.columbia.edu

15:25 Floor Discussion

5E. Novel Approaches to Genomics and Computational Molecular Evolution (Invited Session 48), Room 104

Organizer: Lynn Kuo, University of Connecticut, Email: lynn.kuo@uconn.edu
Chair: Marc A. Suchard, Biostatistics and Human Genetics David Geffen School of Medicine University of California at Los Angeles, Email: msuchard@ucla.edu

13:45 Optimal Methods for Detecting Weak and Sparse Signals Based on Correlated Features in Genetic Association Studies
Zheyang Wu, Worcester Polytechnic Institute, Email: zheyangwu@wpi.edu

14:10 A Scalable Empirical Bayes Approach to Variable Selection
Haim Bar, University of Connecticut, Email: haim.bar@uconn.edu

14:35 Estimation for Markov Counting Models in Molecular Evolution
Forrest Crawford, Yale University, Email: forrest.crawford@yale.edu

15:00 *Marginal Likelihoods of Phylogenetic Variable Tree Topology Models Using a Posterior Sample*
Lynn Kuo, University of Connecticut, Email: lynn.kuo@uconn.edu

15:25 Floor Discussion

5F. New Development in Statistical Learning (Invited Session 54), **Room 226**

Organizer: Peter Song, University of Michigan, Email: pxsong@umich.edu
Chair: Fei Wang, University of Michigan, Email: wafei@umich.edu

13:45 *Neyman-Pearson Classification under High-Dimensional Settings*
Anqi Zhao, Harvard University, Email: anqizhao@fas.harvard.edu

14:10 *Clustering Analysis of Sparse Categorical Data with Weighted Similarity*
Peng Zhang, Zhejiang University, Email: pengyan2000@gmail.com

14:35 *Novel Semiparametric Control Charts for Phase I Profile Monitoring via the LM Model Residuals*
Abdel-Salam Gomaa, Qatar University, Email: abdo@qu.edu.qa

15:00 *Spatiotemporal Varying Coefficient Model*
Xijian Hu, Xinjiang University, Email: xijianhu@126.com

15:25 Floor Discussion

5G. Lifetime Data Analysis (LIDA) Special Invited Session (Invited Session 57), **Room 214**

Organizer: Mei-Ling Ting Lee, University of Maryland, Email: mltlee@umd.edu
Chair: Tao Xiao, Shenzhen University, Email: taoxiao@szu.edu.cn

13:45 *MRCT design models and drop-min data analysis*
Kuang-Kuo Gordon Lan, Janssen R&D, Email: gLan@its.jnj.com

14:10 *A GENERALIZED MOVER-STAYER MODEL FOR DISEASE PROGRESSIONS WITH DEATH ADJUSTING FOR AGE AT THE STUDY ENTRY*
Chen-Hsin Chen, Academia Sinica, Email: chchen@webmail.stat.sinica.edu.tw

14:35 *Analysis of Restricted Mean Survival Time for Length-Biased Data*
Jing Ning, University of Texas, Email:jning@mdanderson.org

15:00 *Using Threshold Regression to Analyze Survival Data from Complex Surveys: With Application to Mortality Linked NHANES III Phase II Genetic Data*
Yan Li, University of Maryland, Email: yli6@umd.edu

15:25 Floor Discussion

5I. Challenges to Statistical Issues in Complex Clinical Trials (Invited Session 106), Room 208

Organizers:  Toshimitsu Hamasaki, National Cerebral and Cardiovascular Center, Japan, Email: toshi.hamasaki@ncvc.go.jp, and Chin-Fu Hsiao, National Health Research Institute, Taiwan, Email: chinfu@nhri.org.tw

Chair:  Chin-Fu Hsiao, National Health Research Institute, Taiwan, Email: chinfu@nhri.org.tw

13:45  An Adaptive Enrichment Design with Sample Size Re-estimation--A Case Study
Lingyun Liu, Cytel Inc., Email: Lingyun.Liu@cytel.com

14:10 Power and Sample Size Calculation Using Graphical Approaches
Dong Xi, Novartis, Email: dong.xi@novartis.com

14:35 Interim Evaluation of Efficacy or Futility in Group-sequential Clinical Trials
Toshimitsu Hamasaki, National Cerebral and Cardiovascular Center, Japan, Email: toshi.hamasaki@ncvc.go.jp
15:00 *Optimal Flexible Sample Size Design with Interim Dose Determination*
Cui Lu, Abbvie Inc. Email address: lu.cui@abbvie.com

15:25 Floor Discussion

5J. Caveats, Challenges, and Opportunities for Indirect Comparisons Using Clinical Trial Data (Invited Session 109), **Room 103**

**Organizer:** James Pan, Johnson & Johnson, Email: jpan3@its.jnj.com  
**Chair:** Zhong Yuan, Janssen R&D, Email: zyuan6@its.jnj.com

13:45 *Meta-analysis of Efficacy and Safety of the New Anticoagulants Versus Warfarin in Patients with Atrial Fibrillation*
Bin (Eddy) Jia, Johnson & Johnson (QS China), Email: bJia33@its.jnj.com

14:15 *Caveats, Challenges, and Opportunities for Indirect Comparisons Using Clinical Trial Data*
Zhong Yuan, Janssen R&D, Email: zyuan6@its.jnj.com

14:45 *Confounder Adjustment on Treatment Effect When Using Observational Study as Control*
Leslie Meng, Amgen Asia R&D, Email, xianhuam@amgen.com

15:15 **Discussant**  
Jesse Berlin, Senior Vice President, Johnson & Johnson, Email: JBerlin@its.jnj.com

15:25 Floor Discussion

5K. Real World Data in China and Statistical Considerations in Real World Data Analysis (Invited Session 131), **Room 107**

**Organizers:** Qiang Shi, Lilly Suzhou Pharmaceutical Co., Ltd, Email: shi_qiang@lilly.com  
and Yun Chen, Lilly Suzhou Pharmaceutical Co., Ltd, Email: chen_yun_kathy@lilly.com  
**Chair:** Yun Chen, Lilly Suzhou Pharmaceutical Co., Ltd, Email: chen_yun_kathy@lilly.com

13:45 *Mediation Analysis in Cancer Research*
Yang Zhao, Nanjing Medical University, Email: zhaoyang@njmu.edu.cn

14:35 *Identifying High-Value Treatment Populations in Real-World Data*
Simeng Han, Analysis Group, Email: simeng.han@analysisgroup.com

15:25 Floor Discussion
5L. Recent Advances on Statistical Methods for RNA Sequencing Data (Invited Session 132), Room 105

Organizers: Li-Xuan Qin, Memorial Sloan Kettering Cancer Center, Email: qinl@mskcc.org and Jinbo Chen, University of Pennsylvania, Email: jinboche@mail.med.upenn.edu

Chair: Li-Xuan Qin, Memorial Sloan Kettering Cancer Center, Email: qinl@mskcc.org

13:45 Analyzing Heterogeneity in Single Cell RNA-sequencing
Zhijin Wu, Brown University, Email: zwu@stat.brown.edu

14:10 Learning Useful Information from Existing RNA-Seq Data Sets
Yanming Di, Oregon State University, Email: diy@stat.oregonstate.edu

14:35 A Non-parametric Model to Address Overdispersed Count Response in a Longitudinal Data Setting with Missingness
Hui Zhang, St. Jude Children’s Research Hospital, Email: hui.zhang@stjude.org

15:00 A Computationally Extremely Fast Algorithm Designed for Genomewide Association Studies and Differential Expression Analysis Studies with Multi-Category Phenotypes
Hong Zhang, Fudan University, Email: zhanghfd@fudan.edu.cn

15:25 Floor Discussion

5M. CJS Special Invited Session: “BFF (Bayesian/frequentist/fiducial) Inferences in the New Era of Data Science (No.2)” (Invited Session 138), Room 222

Organizer: Min-ge Xie, Rutgers University, Email: mxie@stat.rutgers.edu

Chair: Jan Hannig, University of North Carolina - Chapel Hill, Email: jan.hannig@unc.edu

13:45 A Nonparametric Bayesian Approach for Sparse Sequence Estimation
Feng Liang, University of Illinois at Urbana Champaign, Email: liangf@illinois.edu

14:10 Approximate Confidence Distribution Computing (ACC)
Suzanne Thornton, Rutgers University, Email: suzanne.thornton@rutgers.edu

14:35 Dempster-Shafer Methods for One- and Two-sample Comparison of Quantiles, with Applications to HIV Vaccine Evaluation
Paul Edlefsen, Fred Hutchinson Cancer Research Center, Email: pedlefsen@gmail.com

15:00 Exact Inference with Partially Specified Bayesian Models
Lingsong Zhang, Purdue University, Email: lingsong@purdue.edu

15:25 Floor Discussion
5N. Brazilian Statistical Association (ABE) Sponsored Invited Session: “Innovation in Survival Modeling” (Invited Session 144), Room 228

Organizer: Vera Lúcia Damascena Tomazella, Brazilian Statistical Association
Email: vera@ufscar.br
Chair: Mário de Castro Andrade Filho, Universidade de São Paulo, São Carlos
Email: mcastro@icmc.usp.br

13:45 The Zero-Inflated Promotion Cure Rate Regression Modeling: An Application to Fraud Propensity in Bank Loan Applications in Brazil
Francisco Louzada Neto, Universidade de São Paulo, São Carlos
Email: Louzada@icmc.usp.br

14:10 The Simplified, Effective, Labor Monitoring to Action Tool for Better Outcomes in Labour Difficulty and Its application to African pregnant
Gleici da Silva Castro Perdoná, Universidade de São Paulo, Ribeirão Preto
Email: pgleici@fmrp.usp.br

14:35 Frailty Modeling for Repairable Systems with Minimum Repair: An Application to Dump Truck Data of a Brazilian Mining Company
Vera Lúcia Damasceno Tomazella, Universidade Federal de São Carlos, São Carlos
Email: vera@ufscar.br

15:00 Statistical inference for the single index hazards model
Catherine Chunling Liu, The Hong Kong Polytechnic University
Email: catherine.chunling.liu@polyu.edu.hk

15:25 Floor Discussion

5O. Random Fields in Statistics and Applications (Invited Session 156), Room 207

Organizer and Chair: Yimin Xiao, Michigan State University, Email: xiaoyimi@stt.msu.edu

13:45 Isotropic Random Fields and Point Processes on Graphs and Their Edges
Ethan Anderes, University of California at Davis, Email: anderes@ucdavis.edu

14:10 Sample path properties of Gaussian Random fields on the sphere
Xiaohong Lan, University of Science and Technology of China
Email: xhlan@ustc.edu.cn

14:35 Estimating the Smoothness of a Gaussian Random Field from Irregularly Spaced Data
Wei Liem Loh, National University of Singapore, Email: stalohwl@nus.edu.sg

15:00 Multiple testing of local maxima for detection of peaks on the (celestial) sphere
Domenico Marinucci, University of Rome “Tor Vergata”,
15:25 Floor Discussion
5P. KSS Sponsored Invited Session: “Modern Statistical Analytics” (Invited Session 176), Room 102

Organizer and Chair: Yung-Seop Lee, Dongguk University, Email: yung@dongguk.edu

13:45 Robust Ridge Regression Estimators for Nonlinear Models with Applications to High Throughput Screening Assay Data
Changwon Lim, Chung-Ang University, Email: clim@cau.ac.kr

14:10 A Simulation Study for Estimating Average Causal Effect of Latent Class
Hwan Chung, Korea University, Email: hwanch@korea.ac.kr

14:35 A Class of RSN Distributions and Its Applications
Hyoung-Moon Kim, Konkuk University, Email: hmkim@konkuk.ac.kr

15:00 A Quality Control Technique Applying to the Meteorological Observation Data
Hee-Kyung Kim, Dongguk University, Email: khk0228@empas.com

15:25 Floor Discussion

5Q. Recent Development in Multiple Comparison Procedures (Invited Session 200), Room 219

Organizer: Jianan Peng, Acadia University, Email: jianan.peng@acadiau.ca
Chair: Kun Liang, University of Waterloo, Email: kun.liang@uwaterloo.ca

13:45 Counting by Weighing: Know Your Numbers with Confidence
Wei Liu, University of Southampton, Email: W.Liu@soton.ac.uk

14:20 On Exact Inferences Using Binary Data in Two or Multi-stage Designs
Weizhen Wang, Wright State University, Email: weizhen.wang@wright.edu

14:55 Some Aspects of Multiple Selection Probabilities
Lin Fei, Cincinnati Children’s Hospital Medical Center, University of Cincinnati, Email: Lin.Fei@cchmc.org, lin.fei@uc.edu

15:30 Floor Discussion

5R. SS Special Invited Session: “Recent Advances in Experimental Designs” (Invited Session 213), Room 220

Organizers: Hsin-Cheng Huang, Academia Sinica, Email: hchuang@stat.sinica.edu.tw, Ruey S. Tsay, University of Chicago, Email: Ruey.Tsay@chicagobooth.edu, and
Zhiliang Ying, Columbia University, Email: zying@stat.columbia.edu
Chair: Frederick Kin Hing Phoa, Academia Sinica, Email: fredphoa@stat.sinica.edu.tw

13:45 A General Construction for Space-Filling Latin Hypercubes
   Chunfang Devon Lin, Queen's University, Email: cdlin@mast.queensu.ca

14:15 The Sampling Aspect of Uncertainty Quantification
   Peter Qian, University of Wisconsin-Madison, Email: peterq@stat.wisc.edu

14:45 Two-Level Minimum Aberration Designs Under a Conditional Model with a Pair of Conditional and Conditioning Factors
   Ming-Chung Chang, Academia Sinica, Email: mcchang@webmail.stat.sinica.edu.tw

15:15 Discussant
   Dennis K. J. Lin, Pennsylvania State University, Email: dkl5@psu.edu

15:25 Floor Discussion

5S. Young Researcher Award Paper Session I, Room 218

Organizer: Young Researcher Award Committee
Chair: Yuping Zhang, University of Connecticut, Email: yuping.zhang@uconn.edu

13:45 Sufficient Forecasting Using Factor Models
   Lingzhou Xue, Pennsylvania State University, Email: lzxue@psu.edu

14:10 Non- and Semi-Parametric Analysis of Dependently Interval-Censored Failure Time Data due to Intermittent Visits
   Yayuan Zhu, University of Texas MD Anderson Cancer Center,
   Email: yzhu8@mdanderson.org

14:35 A New Family of Error Distributions for Bayesian Quantile Regression
   Yifei Yan, University of California, Santa Cruz, Email: yifeitian@soe.ucsc.edu

15:00 Regularization Parameter Selection Methods for Kernel Ridge Regression
   Yang Yu, University of North Carolina, Chapel Hill, Email: yangyu@unc.edu

15:25 Floor Discussion

5T. Contributed Session 8, New Approaches to Statistical Modeling and Estimation, Room 108

Chair: Jinfeng Xu, the University of Hong Kong, Email: xujf@hku.hk
13:45 **On the Bivariate Generalized Linear Exponential Distribution**  
Ashok Kumar Pathak, Indian Institutes of Technology,  
Email: ashokiitb09@gmail.com

14:05 **A Mixture-based Approach to Estimating a Count Distribution**  
Chew Chee, Universiti Malaysia Terengganu, Email: chee@umt.edu.my

14:25 **A New Class of Shape Constraints for Probability Density Estimates**  
Mark Wolters, Fudan University, Email: mwolters@fudan.edu.cn

14:45 **Modelling Asymmetric Bivariate Data Using Mixtures of Rotated Copulas**  
Alphonse Bere, University of Venda, Email: Alphonse.bere@univen.ac.za

15:05 **The Tail Functions Approach to Confidence Estimation**  
Borek Puza, Australian National University, Email: borek.puza@anu.edu.au

15:25 **Floor Discussion**

**Coffee/Tea Break (15:30 - 15:50)**

**Parallel Sessions 6 (15:50 - 17:40), Engineering Hall**

**6A. Recent Development in Ordinal Data Analysis (Invited Session 3), Room 229**

**Organizer and Chair:** Dungang Liu, University of Cincinnati, Email: dungang.liu@uc.edu

15:55 **Pros and Cons of Analyzing a Quantitative Outcome as if It Were Ordinal**  
Chun Li, Case Western Reserve University, Email: cxl791@case.edu

16:20 **Covariate Adjusted Spearman's Rank Correlation with Probability-Scale Residuals**  
Bryan Shepherd, Vanderbilt University School of Medicine,  
Email: bryan.shepherd@vanderbilt.edu

16:45 **Model Diagnostics for Ordinal Response Data**  
Ivy Liu, Victoria University of Wellington, Email: i-ming.liu@vuw.ac.nz

17:10 **Surrogate residuals and diagnostics for regression models with a n ordinal response**  
Dungang Liu, University of Cincinnati, Email: dungang.liu@uc.edu

17:35 **Floor Discussion**
6B. Intelligent Learning and Integrative Analysis in Cancer Research (Invited Session 21), Room 107

Organizer and Chair: Shenying Fang, University of Texas MD Anderson Cancer Center, Email: sfang@mdanderson.org

15:55 Most Powerful Statistics for RNA-Seq and Image Association Analysis and Its Application to Kidney Cancer Study
Panpan Wang, Fudan University, China, Email: panpanwang1208@gmail.com

16:20 Functional Regression Method for Whole Genome Epistatic eQTL Analysis with Sequencing Data
Kelin Xu, Fudan University, China, Email: eileen_fd@163.com

16:45 Network-based Sufficient Dimension Reduction and Intelligent Classifier for Early Detection of Pancreatic Cancer
Shenying Fang, University of Texas MD Anderson Cancer Center. Email: sfang@mdanderson.org

17:10 Smart causal machine learner that combines CT image and RNA-seq markers for cancer diagnosis and precision medicine
Pengfei Hu, Fudan University, China, Email: 89383195@qq.com

17:35 Floor Discussion

6C. Recent Topics in Survival Analysis (Invited Session 32), Room 219

Organizer and Chair: Sangwook Kang, Yonsei University, Email: kanggi1@yonsei.ac.kr

15:55 Semiparametric Accelerated Intensity Models for Correlated Recurrent and Terminal Events
Sangbum Choi, The University of Texas Medical School at Houston, Email: sangbum.choi@uth.tmc.edu

16:20 Fitting Accelerated Failure Time Models Using Calibrated Weights for Case-Cohort Studies
Sangwook Kang, Yonsei University, Korea, Email: kanggi1@yonsei.ac.kr

16:45 Additive Hazards Model with Additive Frailty for Semi-competing Risks Data
Jinheum Kim, University of Suwon, Korea, Email: jkimdt65@gmail.com

17:10 Survival Impact Index and Ultrahigh-dimensional Model-free Screening with Survival Outcomes
Jiajiang Li, National University of Singapore, Email: stalj@nus.edu.sg

17:35 Floor Discussion

6D. Biostatistical Research in University of Florida (Invited Session 42), **Room 202**

**Organizer and Chair:** Peihua Qiu, University of Florida, Email: pqiu@ufl.edu

15:55 *Using Structural-Nested Models to Estimate the Effect of Cluster-Level Adherence on Individual-Level Outcomes with a Three-Armed Cluster-Randomized Trial*  
Babette Brumback, University of Florida, Email: brumback@ufl.edu

16:20 *Marginal regression models for clustered count data based on zero-inflated Conway-Maxwell-Poisson distribution with applications*  
Somnath Datta, University of Florida, Email: somnath.datta@ufl.edu

16:45 *Improved Protein Inference from Tandem Mass Spectrometry Data*  
Susmita Datta, University of Florida, Email: susmita.datta@ufl.edu

17:10 *Adaptive Multi-factor Multi-stage Clinical Trial Methods*  
Samuel Wu, University of Florida, Email: sw45@ufl.edu

17:35 Floor Discussion

6E. New Developments in Statistical Methods for Recurrent Event and Survival Analysis (Invited Session 45), **Room 228**

**Organizer:** Jianwen Cai, University of North Carolina at Chapel Hill, Email: cai@bios.unc.edu  
**Chair:** Fangshu Ou, Mayo Clinic, Email: Ou.Fang-Shu@mayo.edu

15:55 *Evaluating Utility Measurement from Recurrent Marker Processes in the Presence of Competing Terminal Events*  
Mei Cheng Wang, Johns Hopkins University, Email: mcwang@jhu.edu

16:20 *Multiple Imputation for Cure Rate Quantile Regression with Censored Data*  
Yuanshan Wu, Wuhan University, Email: shan@whu.edu.cn

16:45 *Joint Scale-Change Models for Recurrent Events and Failure Time*  
Chiung-Yu Huang, Johns Hopkins University, Email: cyhuang@jhu.edu

17:10 *Semiparametric Estimation Method for Accelerated Failure Time Model with Dependent Censoring*  
Wenli Deng, Jiangxi Normal University, Email: wldfudan@126.com

17:35 Floor Discussion
6F. Advances in Applied Statistical Methods (Invited Session 56), **Room 103**

**Organizer:** Mei-Ling Ting Lee, University of Maryland, Email: mltlee@umd.edu  
**Chair:** Li Jialiang, National University of Singapore, Email: stalj@nus.edu.sg

**15:55 Experimental Design in Health Sciences**  
Teresa Oliveira, University of Alberta, Portugal, Email: Teresa.Oliveira@uab.pt

**16:20 Robust diagnostics for mixed continuous and categorical data with missing values**  
Chung-Chi Cheng, National Cheng-Chi University, Email: chengt@nccu.edu.tw

**16:45 A Model-free Method for Detecting Disease Association Signals with Multiple Genetic Variants and Covariates**  
Kuang-Fu Cheng, Taipei Medical University, Email: kfcheng@tmu.edu.tw

**17:10 Investigating Differential Variability for DNA Methylation Data**  
Weiliang Qiu, Harvard University, Email: stwxq@channing.harvard.edu

**17:35 Floor Discussion**

6G. IASC Sponsored Invited Session: “Bayesian Approaches for Nonparametric and High-Dimensional Models” (Invited Session 63), **Room 214**

**Organizer and Chair:** Jaeyong Lee, Seoul National University, Email: leejyc@gmail.com

**15:55 Bayesian Time Series Regression Analysis with Nonparametric Modeling of Autocorrelation**  
Chae Young Lim, Seoul National University, Email: sctwinwood@gmail.com

**16:20 Bayesian Semiparametric Inference on Functional Relationships in Linear Mixed Models**  
Taeyoung Park, Yonsei University, Email: tpark.phd@gmail.com

**16:45 Dynamic Linear Mixed Models with ARMA Covariance Matrix**  
Keunbaik Lee, Sungkyunkwan University, Email: keunbaik@skku.edu

**17:10 Multidimensional Boundary Crossing Problems with Applications**  
Kyoungjae Lee, Seoul National University, Email: leekjstat@gmail.com

**17:35 Floor Discussion**

6H. Recent Developments in Statistical Methods for Complex Data (Invited Session 79), **Room 226**
Organizer: Ji Zhu, University of Michigan, Email: jizhu@umich.edu
Chair: Junhui Wang, City University of Hong Kong, Email: junhwang@cityu.edu.hk
15:55 Leveraging Mixed and Incomplete Outcomes via Reduced Rank Regression
Chongliang Luo, University of Connecticut, Email: chongliang.luo@uconn.edu

16:20 Variable Clustering via G-Models of Large Covariance Matrices
Xi Luo, Brown University, Email: xi_luo_1@brown.edu

16:45 The Self-Multiset Sampler
Juan Shen, Fudan University, Email: shenjuan@fudan.edu.cn

17:10 SSE: A Summary-Statistics-based approach to Estimating heritability, co-heritability and effect sizes in GWAS data analysis
Can Yang, Hong Kong Baptist University, Email: eeyang@hkbu.edu.hk

17:35 Floor Discussion

61. Challenges to Statistical Issues in Multiregional Clinical Trials (Invited Session 107), Room 220

Organizers: Toshimitsu Hamasaki, National Cerebral and Cardiovascular Center, Japan, Email: toshi.hamasaki@ncvc.go.jp, and
Chin-Fu Hsiao, National Health Research Institute, Taiwan, Email: chinfu@nhri.org.tw
Chair: Toshimitsu Hamasaki, National Cerebral and Cardiovascular Center, Japan, Email: toshi.hamasaki@ncvc.go.jp

15:55 Design and analysis of Multi-Regional Clinical Trials: Regulatory and statistical perspective
Yuki Ando, PMDA, Japan, Email: ando-yuki@pmda.go.jp

16:20 Statistical Implications of Extrapolating the Overall Result to the Target Region in Multi-Regional Clinical Trials
Seung-Ho Kang, Yonsei University, Korea, Email: seungho@yonsei.ac.kr

16:45 MRCT – Consistency Assessment and Sample Size
Gang Chen, Johnson and Johnson, Email: gchen11@ITS.JNJ.com

17:10 Scientific Issues Regarding MRCT and Use of Foreign Data – Asian Perspectives
Luyan Dai, Boehringer Ingelheim Pharmaceuticals, Inc.
Email: luyan.dai@boehringer-ingelheim.com

17:35 Floor Discussion
6J. Recent Developments in Measurement Error Models and Clustering Detection  (Invited Session 112), Room 104
Organizer: Mári o de Castro Andrade Filho, Universidade de São Paulo,
Email: mcastro@icmc.usp.br
Chair: Francisco Louzada Neto, Universidade de São Paulo, Email: louzada@icmc.usp.br

15:55 A Multivariate Student-t Regression Model with Measurement Errors for Censored Data
Celso Rômulo Barbosa Cabral, Universidade Federal do Amazonas,
Email: celsoromulo@gmail.com

16:25 Nonparametric Statistical Tools for Genome-Wide Detection of Clustering and Spatial Association among Mutations under a Microarray Probe Sampling System
Bin Luo, Western University, Canada, Email: bluo4@uwo.ca

16:55 Robust Inference in a Linear Functional Model with Replications Using the Distribution
Mário de Castro Andrade Filho, Universidade de São Paulo, Email: mcastro@icmc.usp.br

17:25 Discussant
Francisco Louzada Neto, Universidade de São Paulo, Email: louzada@icmc.usp.br

17:35 Floor Discussion

6K. ICSA-Midwest Chapter Sponsored Invited Session: “Modern Biostatistical Issues in Cohort Studies” (Invited Session 133), Room 102
Organizer: Giorgos Bakoyannis, Indiana University, Email: gbakogia@iu.edu
Chair: Spencer Lourens, Indiana University, Email: slourens@iu.edu

15:55 Improving Efficiency in Semi-Competing Risks Data with Partially Observed Terminal Event
Menggang Yu, University of Wisconsin Madison, Email: meyu@biostat.wisc.edu

16:20 Adjusting for Incomplete Death Ascertainment in Joint Models: a Multiple-Imputation Approach
Constantin T. Yiannoutsos, Indiana University, Email: cyiannou@iupui.edu

16:45 Dynamic, Interactive Data Analysis/Visualization with JavaScript: An Introduction to Highcharts, D3, and openCPU
Spencer Lourens, Indiana University, Email: slourens@iu.edu

17:10 Real World Evidence for Rare Disease
Bo Yang, Vertex Pharmaceuticals, Email: bo_yang@vrtx.com

17:35 Floor Discussion
6L. Statistical Innovations in Clinical Trials (Invited Session 135), Room 105

Organizer: Xiaolei Xun, Novartis, Email: xiaolei.xun@novartis.com
Chair: Yankun Gong, Novartis, Email: yankun.gong@novartis.com

15:55 Functional Data Analysis in Application to Dose-Titration Studies
Yingchun Zhou, East China Normal University, Email: yczhou@stat.ecnu.edu.cn

16:20 Understanding "Modes of Operation" from RCT Data by Employing Mediation Analysis
Theis Lange, University of Copenhagen, Email: thlan@sund.ku.dk

16:45 Incorporate Historical Data for Clinical Study Design Using Bayesian Method
Lian Liu, GlaxoSmithKline, Email: lian.l.liu@gsk.com

17:10 An Application of Functional Clustering Model in Clinical Trials
Xiaolei Xun, Novartis, Email: xiaolei.xun@novartis.com

17:35 Floor Discussion

6M. SSC Sponsored Invited Session: “Statistical Challenges and Advances in Large-Scale Inference” (Invited Session 151), Room 224

Organizer and Chair: Kun Liang, University of Waterloo, Email: kun.liang@uwaterloo.ca

15:55 A Simultaneous Genetic Association Analysis with Multiple Traits/Longitudinal Traits
Zeny Feng, University of Guelph, Email: zfeng@uoguelph.ca

16:20 Multiple Testing of Local Maxima for Detection of Peaks in Random Fields
Armin Schwartzman, North Carolina State University, Email: aschwar@ncsu.edu

16:45 Multiple Confidence Intervals for Selected Parameters Adjusted for the False Coverage-Statement Rate in Dose-Response Microarray Experiments
Jianan Peng, Acadia University, Email: jianan.peng@acadiau.ca

17:10 Covariate Assisted Large-scale Multiple Testing
Kun Liang, University of Waterloo, Email: kun.liang@uwaterloo.ca

17:35 Floor Discussion

6N. Recent Developments in Financial Econometrics (Invited Session 157), Room 207

Organizer and Chair: Bingyi Jing, Hong Kong University of Science & Technology, Email: majing@ust.hk

15:55 High Dimensional Minimum Variance Portfolio Estimation
Yingying Li, Hong Kong University of Science & Technology, Email: yyli@ust.hk

16:20 Volatility of volatility: estimation and tests based on noisy high frequency data
Guangying Liu, Nanjing Audit University, liugying@nau.edu.cn

16:45 Adaptive Thresholding for Large Volatility Matrix Estimation Based on High-Frequency Financial Data
Cuixia Li, Lanzhou University, Email: licuixia@lzu.edu.cn

17:10 Quantile Regression for Partially Linear Varying-Coefficient Model with Censoring Indicators Missing At Random
Hanying Liang, Tongji University, Email: hyliang@tongji.edu.cn

17:35 Floor Discussion

60. ICSA-New England Chapter Sponsored Invited Session: “Statistical Topics in the Design and Analysis of Confirmatory Trials in Drug Development” (Invited Session 178), Room 222

Organizers: Tao Song, Spectrum Pharmaceutical Inc, Email: tao.song@sppirx.com, Huyuan Yang, Takeda International Pharmaceutical Inc, Email: Huyuan.Yang@takeda.com, and Andy Chi, Takeda International Pharmaceutical Inc, Email: Andy.chi@takeda.com

Chair: Gajanan Bhat, Spectrum Pharmaceutical Inc, Email: Gajanan.Bhat@sppirx.com

15:55 Robust Methods for Treatment Effect Calibration, with Application to Non-Inferiority Trials
Zhiwei Zhang, US FDA, Email: Zhiwei.Zhang@fda.hhs.gov

16:20 Planning Sample Size Using MMRM in Confirmatory Trials
Tao Song, Spectrum Pharmaceutical Inc, Email: tao.song@sppirx.com

16:45 A Bayesian Response-Adaptive Covariate-Adjusted Randomization Design for Clinical Trials
Jianchang Lin, Takeda International Pharmaceutical Inc, Email: Jianchang.lin@takeda.com

17:10 Assessment of P-Value Quality in Phase III Clinical Trial
Jihao Zhou, Allergan, Email: Zhou_Jihao@allergan.com

17:35 Floor Discussion

6P. Recent Advance in Statistical Process Monitoring of High-Dimensional Processes (Invited Session 183), Room 208
Organizer and Chair: Fugee Tsung, The Hong Kong University of Science and Technology, Email: season@ust.hk

15:55 A FDR-based Multivariate EWMA Chart for High-Dimensional Process
Yanting Li, Shanghai Jiao Tong University, Email: ytli@sjtu.edu.cn

16:20 Multivariate Ordinal Categorical Process Control
Jian Li, Xi’an Jiaotong University, Email: jianli@mail.xjtu.edu.cn

16:45 On-line Monitoring Data Quality of High-Dimensional Data Streams
Dequan Qi, Jilin Medical University, Email: qidequan@163.com

17:10 Monitoring Large Sparse Contingency Table in Multivariate Categorical Process
Wenjuan Liang, East China Normal University, Email: wjliahg0627@163.com

17:35 Floor Discussion

6Q. Statistical Methods for Analyzing Complicated Data (Invited Session 186), Room 106
Organizer and Chair: Wenxuan Zhong, University of Georgia, Email: wenxuan@uga.edu

15:55 Symbolic Data Analysis: Distributions are the Numbers of the Future
Lynne Billard, University of Georgia, Email: lynneb@uga.edu

16:20 A Nonparametric Graphical Model for Functional Data with Application to Brain Networks Based on fMRI
Bing Li, Pennsylvania State University, Email: bing@stat.psu.edu

16:45 A nonparametric approach for partial areas under ROC curves
Yichuan Zhao, Georgia State University, Email: yichuan@gsu.edu

17:10 SPOT: Sparse Optimal Transformations for High Dimensional Variable Selection and Exploratory Regression Analysis
Yu Zhu, Purdue University, Email: yuzhu@stat.purdue.edu

17:35 Floor Discussion

6R. IBS-China and Biometrics Special Invited Session (Invited Session 206), Room 100
Organizers: Xiao-Hua Zhou, University of Washington, Email: azhou@uw.edu and Yi-Hau Chen, Academia Sinica, Email: yhchen@stat.sinica.edu.tw
Chair: Xiao-Hua Zhou, University of Washington, Email: azhou@uw.edu

15:55 Distributed Estimation and Inference with Statistical Guarantees
Jianqing Fan, Princeton University, Email: jqfan@Princeton.edu

16:20 NONPARAMETRIC MARGINAL ANALYSIS OF RECURRENT EVENTS DATA UNDER COMPETING RISKS
Weijing Wang, National Chiao Tung University (Hsin-Chu),
Email: wjwang@stat.nctu.edu.tw

16:45 Using Longitudinal Biomarker Data to Dynamically Predict Time to Disease Progression
Xuelin Huang, The University of Texas MD Anderson Cancer Center,
Email: xluang@mdanderson.org

17:10 Functional Inverted-Wishart for Massive Multivariate Spatial Modeling
Xia Wang, University of Cincinnati,
Email: wang2x7@UCMAIL.UC.EDU

17:35 Floor Discussion

6S. Young Researcher Award Paper Session II, Room 218

Organizer: Young Researcher Award Committee
Chair: Lin Fei, Cincinnati Children’s Hospital Medical Center, University of Cincinnati,
Email: lin.fei@uc.edu

15:50 Reweighted Data for Robust Probabilistic Models
Yixin Wang, Columbia University, Email: yixin.wang@columbia.edu

16:15 Adaptive Partition Weighted Approach for Estimating Marginal Posterior Density with Applications
Yu-Bo Wang, Eunice Kennedy Shriver National Institute of Child Health & Human Development, The National Institutes of Health, Email: yu-bo.wang@nih.gov

16:40 Bayesian Graphical Regression
Yang Ni, University of Texas, Austin, Email: yangni87@gmail.com

17:05 Directional Depth and Outlyingness for Multivariate Functional Data
Wenlin Dai, King Abdullah University of Science and Technology,
Email: wenlin.dai@kaust.edu.sa

17:30 Robust Gaussian Stochastic Process Emulation
Mengyang Gu, Johns Hopkins University, Email: mg211@stat.duke.edu

17:55 Floor Discussion

6T. Contributed Session 9, Statistical Inference and Prediction with Applications,
Room 108

Chair: Bin Huang, Cincinnati Children’s Hospital, Email: bin.huang@cchmc.org

15:55 Nonignorable Models in Two-phase Sampling for Nonresponse
Nanhua Zhang, University of Cincinnati, Email: Nanhua.Zhang@cchmc.org

16:10 An Examination of the Role of the Gamma Model in Approximating of the Distribution of Reconstructed PET Data
Tian Mou, University College Cork, Email: t.mou15@umail.ucc.ie

16:25 Using Logistic Regression to Predict Underage Alcohol Consumption by Secondary School Students
Apurva Agrawal, Indian School of Mines, Dhanbad, Email: apurvaworld@am.ism.ac.in

16:40 Effect of Imputation of Missing Data in the State Inpatient Databases on Racial Disparities Research
Wei Zhang, University of Arkansas at Little Rock, Email: wxzhang2@ualr.edu

16:55 Diagnostic Analysis for Feller-Pareto Linear Regression Model
Linsong Dai, Anqing Normal University, Email: 109110016@seu.edu.cn

17:10 Prediction Model and Risk Scoring Tool in the Local Setting of Obstetric Practice
Bing-shun Wang, Shanghai Jiao Tong University School of Medicine, Email: wangningshun@sjtu.edu.cn

17:25 Floor Discussion

The Conference Banquet, Hua Ting Hotel & Towers
18:30 - 21:00, Tuesday, December 20, 2016 (open)
Wednesday, December 21, 2016
Location: Xuhui Campus of SJTU

8:00 - 18:00: Registration, Engineering Hall, Room 113 & Room 114 (1st floor)

Plenary Session 3 (8:20-10:20), Wenzhi Tang Hall

8:20 – 9:20: Plenary Speaker 5: Zhi-Ming Ma, Chinese Academy of Sciences
   Some Thoughts about Bayesian Method in Phylogenetics
   Chair: Qi-Man Shao, The Chinese University of Hong Kong

9:20 – 10:20: Plenary Speaker 6: Marc A. Suchard, University of California at Los Angeles
   Inference for Discrete Outcome Stochastic Processes at Scale
   Chair: Gang Li, University of California at Los Angeles

Coffee/Tea Break (10:20 - 10:40)

Parallel Sessions 7 (10:40 - 12:30), Engineering Hall

7A. Statistics Innovations for Imaging Studies (Invited Session 2), Room 214

Organizer and Chair: Jian Kang, University of Michigan, Email: jiankang@umich.edu

10:45 Parsimonious Tensor Response Regression and Application in Neuroimaging Analysis
   Lexin Li, University of California, Berkeley, Email: lexinli@berkeley.edu

11:10 Statistical Methods for High-Dimensional Non-Stationary Biological Time Series
   Hernando Ombao, University of California at Irvine, Email: hombao@uci.edu

11:35 Large covariance/correlation matrix estimation for temporal data
   Bin Nan, University of Michigan, Email: bnan@umich.edu

12:00 Functional Structural Equation Models for Twin Functional Data
Hongtu Zhu, University of North Carolina, Chapel Hill, Email: htzhu@email.unc.edu

12:25 Floor Discussion

7B. SIB Special Invited Session: “Statistics into Biosciences” (Invited Session 29), Room 220

Organizer and Chair: Mei-Cheng Wang, Johns Hopkins University, Email: mcwang@jhu.edu

10:45 Bayesian Adaptive Designs from Theory to Practice: How Can We Turn Promise to Progress in Designing and Conducting Better Clinical Trials?
Jack Lee, The University of Texas MD Anderson Cancer Center, Email: jjlee@mdanderson.org

11:10 Joint Regression Analysis of Marginal Quantiles and Quantile Association for Longitudinal and Clustered Data
Yi-Hau Chen, Institute of Statistical Science, Academia Sinica, Email: yhchen@stat.sinica.edu.tw

11:35 Analysis of Stratified Mark-Specific Proportional Hazards Models under Two-Phase Sampling with Application to HIV Vaccine Efficacy Trials
Yanqing Sun, University of North Carolina at Charlotte, Email: yasun@uncc.edu

12:00 Robust Graph Change-point Detection with Application to Brain Evolution Study
Fang Han, Johns Hopkins University, Email: johnfhan@gmail.com

12:25 Floor Discussion

7C. Recent Advances in the Analysis of Survival and High-Dimensional Data (Invited Session 41), Room 106

Organizer and Chair: Abidemi K. Adeniji, EMD Serono, Email: Abidemi.Adeniji@gmail.com

10:45 Tuning Parameter Selection in Cox Proportional Hazards Model with a Diverging Number of Parameters
Andy Ni, Memorial Sloan Kettering Cancer Center, Email: nia@mskcc.org

11:05 Censored Cumulative Residual Independent Screening for Ultrahigh-Dimensional Survival Data
Yanyan Liu, Wuhan University, Email: liuyy@whu.edu.cn

11:25 Quantile Regression Models for Interval-Censored Failure Time Data
Fangshu Ou, Mayo Clinic, Email: ou.fang-shu@mayo.edu
11:45 Cross: efficient low-rank tensor completion
   Anru Zhang, University of Wisconsin-Madison, Email: anruzhang@stat.wisc.edu

12:05 Estimation of Discrete Survival Function through the Modeling of Diagnostic Accuracy for Mismeasured Outcome Data
   Abidemi K. Adeniji, EMD Serono, Email: Abidemi.Adeniji@gmail.com

12:25 Floor Discussion

7D. Statistical Process Control Research in China (Invited Session 43), Room 103

Organizer and Chair: Peihua Qiu, University of Florida, Email: pqiu@ufl.edu

10:45 Statistical Surface Monitoring by Spatial-Structure Modeling
   Kaibo Wang, Tsinghua University, Email: kbwang@tsinghua.edu.cn

11:10 A Robust Self-Starting Spatial Rank Multivariate EWMA Chart Based on Forward Variable Selection
   Wendong Li, East China Normal University, Email: liwendong1994@126.com

11:35 Profiles Monitoring by Semiparametric Partial Linear Models
   Xingfang Huang, Southeast University, Email: xfhuang@seu.edu.cn

12:00 Spatio-Temporal Monitoring of Disease Incidence Data
   Peihua Qiu, University of Florida, Email: pqiu@ufl.edu

12:25 Floor Discussion

7E. Statistical Methods for High-Dimensional Correlated Data (Invited Session 50), Room 107

Organizer: Tong Tong Wu, University of Rochester, Email: Tongtong_wu@urmc.rochester.edu
Chair: Xing Qiu, University of Rochester, Email: Xing_Qiu@URMC.Rochester.edu

10:45 Sufficient Dimension Reduction with Multivariate Responses
   Yuexiao Dong, Temple University, Email: ydong@temple.edu

11:10 Statistical Inference on the Structures of Large Precision Matrices with Dependent Data
   Yumou Qiu, University of Nebraska Lincoln, Email: yumouqiu@unl.edu

11:35 A Time Course Inferential Framework for Gene Set Enrichment Analysis Based on Functional Elastic-net Regression
   Xing Qiu, University of Rochester, Email: Xing_Qiu@URMC.Rochester.edu
12:00 Interim Monitoring of Longitudinal Outcomes in Clinical Trials
Xueya Cai, University of Rochester, Email: Xueya_Cai@URMC.Rochester.edu

12:25 Floor Discussion

7F. Statistics and Its Inference (SII) Special Invited Session: “Modeling and Analysis of Spatially and/or Temporally Correlated Data” (Invited Session 67), Room 218

Organizer and Chair: Heping Zhang, Yale University, Email: heping.zhang@yale.edu

10:45 Modeling and Analysis of Low-Frequency and High-Frequency Financial Data
Yazhen Wang, University of Wisconsin-Madison, Email: yzwang@stat.wisc.edu

11:10 Statistical Analysis of Sparse Networks
Bingyi Jing, Hong Kong University of Science and Technology,
Email: majing@ust.hk

11:35 Some spatio-temporal modelling problems and recent advances
Yuehua Wu, York University, Email: wuyh@mathstat.yorku.ca

12:00 Selection Strategy for Covariance Structure of Random Effects in Linear Mixed-Effects Models
Hua Liang, George Washington University, Email: hliang@gwu.edu

12:25 Floor Discussion

7G. Recent Development in Multiple Hypotheses Testing (Invited Session 74), Room 208

Organizer: Bushi Wang, Boehringer Ingelheim Pharmaceuticals, Inc.,
Email: bushi.wang@boehringer-ingelheim.com
Chair: Xinping Cui, University of California, Riverside, Email: xinping.cui@ucr.edu

10:45 Insight into Gate-keeping and Graphical Approaches via Partitioning: Paths, Shortcuts, and Limitations
Haiyan Xu, Janssen R&D, Johnson & Johnson, Email: HXu22@its.jnj.com

11:05 Generalized FWER Control Procedures for Testing Multiple Hypotheses
Haibing Zhao, Shanghai University of Finance and Economics,
Email: hbszhao@163.com

11:25 An Empirical Bayes Method for Genotyping and SNP Detection Using Multi-sample Next-generation Sequencing Data
Na You, Sun Yat-Sen University, Email: youn@mail.sysu.edu.cn
11:45 An improved uniformly more powerful exact Fisher-Hayter pairwise comparisons procedure
Bushi Wang, Boehringer Ingelheim Pharmaceuticals, Inc.,
Email: bushi.wang@boehringer-ingelheim.com

12:05 Simultaneous Confidence Intervals from Stochastic Approximation
Cui Xiong, East China Normal University, Email: cxiong531@163.com

12:25 Floor Discussion

7H. Semi/Non-parametric Method in Complicated Structure Data (Invited Session 76), Room 202

Organizer: Huazhen Lin, Southwestern University of Finance and Economics,
Email: linhz@swufe.edu.cn
Chair: Feng Chen, University of New South Wales Australia, Email: feng.chen@unsw.edu.au

10:45 Semiparametric Inference for the Proportional Mean Residual Life Model with Right-Censored Length-Biased Data
Fangfang Bai, University of International Business and Economics,
Email: bff03021@163.com

11:10 SEMIPARAMETRIC ESTIMATION OF TIME-VARYING INTERVENTION EFFECTS USING RECURRENT EVENT DATA
Feng Chen, University of New South Wales Australia,
Email: feng.chen@unsw.edu.au

11:35 Minimax Rates for Sparse Multi-Kernel Classification via a New L1 Based SVM
Shaogao Lv, Southwestern University of Finance and Economics,
Email: lvsg716@swufe.edu.cn

12:00 Nonparametric Additive Instrumental Variable Estimator: A Group Shrinkage Estimation Perspective
Qingliang Fan, Xiamen University, Email: michaelqfan@qq.com

12:25 Floor Discussion

7I. ISBA Sponsored Invited Session: “Current Challenges in Environmental Sciences” (Invited Session 85), Room 102

Organizer: Michele Guindani, The University of Texas MD Anderson Cancer Center,
Email: micheleguindani@gmail.com
Chair: Dipak K. Dey, University of Connecticut, Email: dipak.dey@uconn.edu
10:45 **On Dynamic Nearest-Neighbor Gaussian Process Models for High-Dimensional Spatiotemporal Datasets.**
Sudipto Banerjee, University of California at Los Angeles, Email: sudipto@ucla.edu

11:10 **A Bayesian Spatio-Temporal Factor Analysis Model for Predicting Sea Levels along the US Coast**
Candace Berrett, Brigham Young University, Email: cberrett@stat.byu.edu

11:35 **Regression-Based Covariance Functions for Nonstationary Spatial Modeling**
Catherine Calder, The Ohio State University, Email: calder@stat.osu.edu

12:00 **Spatio-Temporal Models for Heavy Tailed Skewed Processes**
Alexandra Mello Schmidt, McGill University, Email: Alexandra.schmidt@mcgill.ca

12:25 Floor Discussion

7J. **Statistical and Causal Inference on Modeling Complex and Massive Data (Invited Session 87), Room 226**

Organizer: Wing Kam Fung, the University of Hong Kong, Email: wingfung@hku.hk
Chair: Yang Bai, Shanghai University of Finance and Economics, Email: statbyang@mail.shufe.edu.cn

10:45 **Causal analysis of administrative data and methodological challenges**
Bo Fu, University College London, Email: b.fu@ucl.ac.uk

11:10 **Structural Identification and Variable Selection in High-Dimensional Varying-Coefficient Models**
Wing Kam Fung, the University of Hong Kong, Email: wingfung@hku.hk

11:35 **Sequential Model Selection-Based Segmentation to Detect DNA Copy Number Variation**
Li Wen Zhang, Shanghai University, Email: liwenzhang@shu.edu.cn

12:00 **High Dimensional Variable Selection for Longitudinal Data with Covariate Measurement Error and Response Dropouts**
Yang Bai, Shanghai University of Finance and Economics, Email: statbyang@mail.shufe.edu.cn

12:25 Floor Discussion

7K. **Emerging Statistical Issues in Clinical Research (Invited Session 115), Room 105**

Organizer and Chair: Bei Jiang, University of Alberta, Email: bei1@ualberta.ca
10:45 Modeling Strategies for Developing Differential Response to Treatment Indices (DRTI)
Eva Petkova, New York University, Email: Eva.Petkova@nyumc.org

11:10 Recent Advances in Personalized Medicine: Optimizing the Value of a Decision in Treatment Decisions
Thaddeus Tarpey, Wright State University, Email: thaddeus.tarpey@wright.edu

11:35 Impact of Misspecified Covariance Structure on the Parameter Estimates in a Shared Spatial Frailty Model
Cindy Xin Feng, University of Saskatchewan, Email: cindy.feng@usask.ca

12:00 A Joint Modeling Approach for Treatment Response and Baseline Imaging data
Bei Jiang, University of Alberta, Email: beil@ualberta.ca

12:25 Floor Discussion

7L. Causal Inference (Invited Session 119), Room 104

Organizer: Jinzhu Jia, Peking University, Email: jzjia@math.pku.edu.cn
Chair: Zhi Geng, Peking University, Email: zhigeng@pku.edu.cn

10:45 Asymptotic Theory of Rerandomization in Treatment-Control Experiments
Peng Ding, University of California, Berkeley, Email: pengdingpku@gmail.com

11:10 The Causal Effect Is Hard to Estimate Because of the Existence of the Confounder
Xueli Wang, Beijing University of Posts and Telecommunications, Email: wangxl@bupt.edu.cn

11:35 Sizes of Markov Equivalence Classes of Directed Acyclic Graphs
Yangbo He, Peking University, Email: heyb@math.pku.edu.cn

12:00 Selecting Confounding Variables via the Lasso
Jinzhu Jia, Peking University, Email: jzjia@math.pku.edu.cn

12:25 Floor Discussion

7M. KISS Sponsored Invited Session: “Recent Topics in Survey Sampling and Missing Data Analysis” (Invited Session 121), Room 222

Organizer: Jae-kwang Kim, Iowa State University, Email: jkim@iastate.edu
Chair: Changbao Wu, University of Waterloo, Email: changbaowu@gmail.com

10:45 Spatial Bayesian Hierarchical Model for Small Area Estimation of Proportions
Zhengyuan Zhu, Iowa State University, Email: zhuz@iastate.edu
11:10 Multiple Imputation for Handling Missing Data under Informative Sampling
Jae-kwang Kim, Iowa State University, Email: jkim@iastate.edu

11:35 Bivariate Penalized Spline Estimation in Spatial Survey Sampling
Lily Wang, Iowa State University, Email: lilywang@iastate.edu

12:00 Enhancement of Variational Mode Decomposition with Missing Values
Hee-Seok Oh, Seoul National University, Email: heeseok.oh@gmail.com

12:25 Floor Discussion

7N. Fusion Learning: The Art of Integrating Information from All Relevant Sources
(Invited Session 139), Room 219

Organizers: Dungang Liu, University of Cincinnati Lindner College of Business,
Email: dungang.liu@uc.edu and
Min-ge Xie, Rutgers University, Email: mxie@stat.rutgers.edu

Chair: Dungang Liu, University of Cincinnati Lindner College of Business

10:45 Multivariate Extensions for Combining N-of-1 Trials
Christopher H Schmid, Brown University School of Public Health,
Email: Christopher_Schmid@brown.edu

11:10 An adaptive Fisher’s Method for Combining Information across Samples
Xiaoyi Min, Georgia State University, Email: xmin@gsu.edu

11:35 Extending Survival Probability Curve Using Information from Various Sources
Jerry Cheng, Rutgers University Robert Wood Johnson Medical School,
Email: jerry_q_cheng@yahoo.com

12:00 Relative Efficiency for Random Effects Meta-Analysis Using Summary Statistics versus Individual Data
Ding-Geng Chen, University of North Carolina, Email: dinchen@email.unc.edu

12:25 Floor Discussion

7O. Asymptotics of Stochastic Differential Equations (Invited Session 182), Room 207

Organizer and Chair: Feng-Yu Wang, Beijing Normal University, Email: wangfy@bnu.edu.cn

10:45 local times of two kinds of multifractional stable sheets
Guangjun Shen, Anhui Normal University, Email: gjshen@163.com
11:10 *Local Characterizations of Ricci Curvature on Metric Measure Space*
Bo Wu, Fudan University, Email: bwu77@163.com

11:35 *Quantitative stability estimates for solutions of Fokker--Planck equations*
Dejun Luo, Chinese Academy of Sciences, Email: luodj@amss.ac.cn

12:00 *Convergence Rate of Euler-Maruyama Scheme for SDEs with Rough Coefficients*
Jianhai Bao, Central South University of China, Email: jianhaibao@csu.edu.cn

12:25 Floor Discussion

7P. ASA Sponsored Invited Tutorial Session: “Statistics Education in the Era of Big Data” (Invited Session 189), **Room 100**

**Organizer:** Ying Lu, Stanford University, Email: ylu1@stanford.edu
**Chair:** Zhezhen Jin, Columbia University, Email: zj7@cumc.columbia.edu

10:45 *Redesigning Statistics Education for a Data-rich World*
Jessica Utts, University of California, Irvine, Email: jutts@uci.edu

11:35 *LIFETIME DATA ANALYSIS IN THE ERA OF BIG DATA*
Mei-Ling Ting Lee, University of Maryland, College Park, Email: mltlee@umd.edu

12:25 Floor Discussion

7Q. HKSS Sponsored Invited Session: “Recent Advances in Functional/Longitudinal Data Analysis” (Invited Session 202), **Room 228**

**Organizers:** Guodong Li, The University of Hong Kong, Email: gdli@hku.hk, and Catherine Liu, The Hong Kong Polytechnic University, E-mail: macliu@polyu.edu.hk
**Chair:** Jian Qing Shi, University of Newcastle, Email: j.q.shi@ncl.ac.uk

10:45 *FACTOR ANALYSIS FOR LONGITUDINAL DATA USING TOEPLITZ ERROR STRUCTURE*
Timothy Ng, Chonnam National University, Email: easterlyng@gmail.com

11:10 *On the Convergence of Randomized Kaczmarz Algorithm in Hilbert Space*
Xin Guo, The Hong Kong Polytechnic University, Email: x.guo@polyu.edu.hk

11:35 *Transformation Model for Sparse Functional Data*
Guochang Wang, Jinan University, Email: wanggc023@amss.ac.cn

12:00 *Nonparametric Estimator of Strictly Monotone Regression Function for Longitudinal...*
12:25 Floor Discussion

7R. Special Memorial Session of Peter Hall (Invited Session 208), Room 224

Organizer: Lixing Zhu, Hong Kong Baptist University, Email: lzhu@math.hkbu.edu.hk
Chair: Tony Cai, University of Pennsylvania, Email: tonycai.icsa@gmail.com

10:45 Empirical Likelihood and Two Springs in Beijing
Songxi Chen, Peking University/University of Iowa, Email: songchen@iastate.edu

11:00 Smoothing under Constraints and Testing for Multimodality
Ming-yen Cheng, National Taiwan University, Email: cheng@math.ntu.edu.tw

11:15 Peter Hall and Deconvolution
Aurore Delaigle, University of Melbourne, Email: A.Delaigle@ms.unimelb.edu.au

11:30 Peter Hall: A Mentor and Smoother
Jianqing Fan, Princeton University, Email: jqfan@Princeton.EDU

11:45 Peter’s Connection with Belgium and His Work on Measurement Errors
Ingrid Van Keilegom, Université catholique de Louvain,
Email: ingrid.vankeilegom@uclouvain.be

12:00 Peter Hall: HKU and Time Series
Waikeung Li, University of Hong Kong, Email: hrntlwk@hku.hk

12:15 Peter Hall at UC Davis
Hans Mueller, University of California at Davis, Email: hgmueller@ucdavis.edu

7S. Contributed Session 10, Statistical Methods with Applications to Finance and Risk Analysis, Room 108

Chair: Lynn Kuo, University of Connecticut, Email: lynn.kuo@uconn.edu

10:45 Predicting Characteristics of Financial Time Series with Application to the State of Qatar Stock Exchange
Adil Yousif, Qatar University, Email: aeyousif@qu.edu.qa

11:05 Smart Indexing under Regime Switching Uncertainty: State-estimate Risk Optimization
Chanaka Edirisinghe, Rensselaer Polytechnic Institute, Email: edirin@rpi.edu
11:25 CLT for Largest Eigenvalues and Unit Root Testing for High-Dimensional Nonstationary Time Series
Bo Zhang, Nanyang Technological University, Email: bzhang007@e.ntu.edu.sg

11:45 Sparse Cointegrating Market-Neutral Portfolio
Renjie Lu, The University of Hong Kong, Email: u3003350@hku.hk

12:05 Risk Characteristics Analysis of Internet Financial Online Lending Platform
Wentao Liu, Beihang University, Email: liuwent1993@sina.com

12:25 Floor Discussion

7T. Contributed Session 11, Statistical Modeling, Monitoring, and Estimation with Applications, Room 229

Chair: Bin Zhang, Cincinnati Children’s Hospital, Email: bin.zhang@cchmc.org

10:45 On Testing a High-Dimensional White Noise
Zeng Li, The University of Hong Kong, Email: u3001205@hku.hk

11:00 Robust Functional Regression Model Using a Heavy-Tailed Process
Chunzheng Cao, Nanjing University of Information Science and Technology, Email: caochunzheng@163.com

11:15 Statistics on Projective Shape Spaces
Florian Kelma, TU Ilmenau, Email: florian.kelma@tu-ilmenau.de

11:30 Monitoring Parameter Shift with Poisson Integer-valued GARCH Models
Jaewon Huh, Seoul National University, Email: hergee3169@gmail.com

11:45 Partially Sequential Random Batch Monitoring and Its Applications
Amitava Mukherjee, XLRI- Xavier School of Management, Email: amitmukh2@yahoo.co.in

12:00 Dependent Microstructure Noise and Integrated Volatility Estimation from High-Frequency Data
Zhen Li, University of Amsterdam, Email: z.li3@uva.nl

12:15 Floor Discussion

Lunch (12:30 - 13:40)
Parallel Sessions 8 (13:40 - 15:30), Engineering Hall

8A. Recent Advances in Computational Neuroscience (Invited Session 1), Room 220

Organizers: Tingting Zhang, University of Virginia, Email: tz3b@virginia.edu, and Hongtu Zhu, University of North Carolina, Email: htzhu@email.unc.edu
Chair: Linglong Kong, University of Alberta, Email: lkong@ualberta.ca

13:45 Point Process Adaptive Filters and the Analysis of Neural Spiking Dynamics
Uri T Eden, Boston University, Email: tzvi@bu.edu

14:10 Bayesian Inference for Cluster-Structured High-Dimensional Ordinary Differential Equations with Applications to Brain Networks
Tingting Zhang, University of Virginia, Email: tz3b@virginia.edu

14:35 Inference for Integrate-and-Fire Neuron Models
Satish Iyengar, University of Pittsburgh, Email: ssi@pitt.edu

15:00 Fiber Orientation Distribution Estimation by Spherical Needlets
Jie Peng, University of California at Davis, Email: jiepeng@ucdavis.edu

15:25 Floor Discussion

8B. Some Recent Research in Statistical Process Control (Invited Session 9), Room 106

Organizer and Chair: Peihua Qiu, University of Florida, Email: pqiu@ufl.edu

13:45 Detecting Changes in the Basal Body Temperature
Guido Masarotto, University of Padua, Italy, Email: guido.masarotto@unipd.it

14:10 Efficient Control Chart Calibration by Simulated Stochastic Approximation
Giovanna Capizzi, University of Padua, Italy, Email: giovanna.capizzi@unipd.it

14:35 Profile Monitoring Based on Proportional Odds Models
Longcheen Huwang, National Tsing Hua University, Email: huwang@stat.nthu.edu.tw

15:00 Nonparametric Dynamic Screening System for Monitoring Correlated Longitudinal Data
Jun Li, Renmin University, University of California at Riverside, Email: jun.li@ucr.edu

15:25 Floor Discussion

8C. Statistical Challenges for Big data in Medical Research (Invited Session 13), Room 102
Organizer: Xiao-Feng Wang, Cleveland Clinic Lerner Research Institute,  
Email: wangx6@ccf.org
Chair: Bin Wang, University of South Alabama, Email: bwang@southalabama.edu

13:45 **DISCOVERING DOMINATORS IN BIG DATA: NEW DATA ANALYTICS**  
Jiayang Sun, Case Western Reserve University, Email: jsun@case.edu

14:10 **Detection of Adverse Drug Reactions from Electronic Health Record Data**  
Ying Wei, Columbia University, Email: yw2148@cumc.columbia.edu

14:35 **Integrated Analysis of Multidimensional Omics Data**  
Shuangge Ma, Yale University, Email: shuangge.ma@yale.edu  
Xingjie Shi, Nanjing University of Finance and Economics

15:00 **Multi-Modal Data Integration and Joint Learning in Lung Cancer Detection**  
Xiao-Feng Wang, Cleveland Clinic Lerner Research Institute, Email: wangx6@ccf.org

15:25 Floor Discussion

---

8D. **Statistical Estimation and Inference with Applications to High-Dimensional Data (Invited Session 23), Room 103**

Organizer: Chunming Zhang, University of Wisconsin-Madison,  
Email: cmzhang@stat.wisc.edu
Chair: Jian Zhang, University of Kent, Email: jz79@kent.ac.uk

13:45 **General Linear Hypothesis Testing for Heteroscedastic One-Way MANOVA with High-Dimensional Data**  
Jin-Ting Zhang, National University of Singapore, Email: stazjt@nus.edu.sg

14:10 **Pseudo estimation in regression**  
Xiangrong Yin, University of Kentucky, Email: yinxiangrong@gmail.com

14:35 **High-Dimensional Model Selection**  
Jiancheng Jiang, University of North Carolina-Charlotte, Email: jjiang1@uncc.edu

15:00 **An Efficient Online Monitoring Method for High-Dimensional Data Streams**  
Xuemin Zi, Tianjin University of Technology and Education,  
Email: zi_xuemin@aliyun.com

15:25 Floor Discussion

---

8E. **CIPS Sponsored Invited Session: “Design of Experiments” (Invited Session 30), Room 228**
Organizer: Ray-Bing Chen, National Cheng Kung University, Email: rbchen@mail.ncku.edu.tw
Chair: Yuan-chin Chang, Academia Sinica, Email: ycchang@sinica.edu.tw

Weng Kee Wong, University of California, Los Angeles, Email: wkwong@ucla.edu

14:10 Minimum Contamination and β-aberration Criteria for Screening Quantitative Factors
Chang-Yun Lin, National Chung Hsing University, Email:chlin6@nchu.edu.tw

14:35 A Joint Selection of Designs and Models for Optimal Forecasting in Possibly Misspecified Polynomial Regressions
Hsiang-Ling Hsu, National University of Kaohsiung, Email: hsuhl@nuk.edu.tw

15:00 Active Learning in Binary Classification Problems via Stochastic Linear Models
Yuan-Chin Chang, Academia Sinica, Email: ycchang@stat.sinica.edu.tw

15:25 Floor Discussion

8F. Analysis of Time-to-event Data (Invited Session 34), Room 105

Organizer and Chair: Mei-Ling Ting Lee, University of Maryland; Email: mltlee@umd.edu

13:45 LENGTH-BIAS CORRECTION IN ESTIMATING LIFETIME DISTRIBUTIONS
Grace Yang, University of Maryland, Email: gly@math.umd.edu

14:20 Regression Analysis of Bivariate Interval-censored Failure Time Data
(Tony) Jianguo Sun, University of Missouri, Email: sunj@missouri.edu

14:55 Analysis of Longitudinal Association Patterns of Recurrent Gap Times
Shu-Hui Chang, National Taiwan University, Email: shuhui@ntu.edu.tw

15:30 Floor Discussion

8G. Recent Developments in Meta-Analysis (Invited Session 49), Room 202

Organizer: Jing Zhang, University of Maryland, Email: jzhang86@umd.edu
Chair: Dungang Liu, University of Cincinnati, Email: liudg@ucmail.uc.edu

13:45 Exact on Meta-analysis with Fixed-Effects and Random-effects Models
Min-ge Xie, Rutgers University, Email: mxie@stat.rutgers.edu

14:10 A Bayesian Hierarchical Summary Receiver Operating Characteristic Model for Network Meta-analysis of Diagnostic Tests
Haitao Chu, University of Minnesota, Email: chux0051@umn.edu
14:35 Testing and Adjusting for Publication Bias in Meta-analysis through Copas Selection Model  
Yong Chen, University of Pennsylvania, Email: ychen123@mail.med.upenn.edu

15:00 Marginal Meta-Analysis for Combining Multiple Randomized Clinical Trials with Rare Events  
Yi Huang, University of Maryland, Baltimore County, Email: yihuang@umbc.edu

15:25 Floor Discussion

8H. Advances and Novel Applications of Robust Nonparametric Statistics (Invited Session 61), Room 218

Organizer: Qing Pan, George Washington University, Email: qpan@gwu.edu  
Chair: Wendy Lou, University of Toronto, Email: wendy.lou@utoronto.ca

13:45 Association between temporal trends in biomarkers for HIV progression  
Zonghui Hu, National Institute of Allergy and Infectious Disease,  
Email: huzo@niaid.nih.gov

14:10 Automatic Shape-constrained Nonparametric Regression  
Huixia Judy Wang, George Washington University, Email: judywang@gwu.edu

13:35 Logistic Regression Augmented Community Detection with Application in Identifying Autism-Related Gene Pathways  
Yunpeng Zhao, George Mason University, Email: yzhao15@gmu.edu

15:00 Nonparametric Robust Statistics and Outlier Reset CUSUM for the Exploration of Copy Number Alteration Data  
Yinglei Lai, George Washington University, Email: ylai@gwu.edu

15:25 Floor Discussion

8I. Statistical Methods for Detecting Weak and Simultaneous Signals (Invited Session 69), Room 208

Organizer and Chair: Jichun Xie, Duke University, Email: jichun.xie@duke.edu

13:45 Adaptive Signal Inclusion With Genomic Applications  
Jessie Jeng, North Carolina State University, Email: xingejeng@gmail.com

14:10 False Discovery Rate Control for Discovering Simultaneous Signals  
Dave Zhao, University of Illinois, Email: dave.zhao@gmail.com
14:35 *Estimating Subgroup Specific Treatment Effects via Concave Group Fusion*
Jian Huang, University of Iowa, Email: jian-huang@uiowa.edu

15:00 *A Statistical Framework for Integrating the Phylogenetic Tree in the Analysis of Microbiome Data*
Jun Chen, Mayo Clinic, Email: Chen.Jun2@mayo.edu

15:25 Floor Discussion

8J. Joint Modeling in Clinical Trials (Invited Session 92), Room 226

Organizer: Zhigang Li, Dartmouth College, Email: Zhigang.Li@dartmouth.edu
Chair: Tao Yu, National University of Singapore, Email: stayt@nus.edu.sg

13:45 *Statistical Challenges in Longitudinal Studies with Non-ignorable Missing Data*
Gang Li, University of California at Los Angeles, Email: vli@ucla.edu

14:10 *Simultaneous Variable Selection for Joint Models of Longitudinal and Survival Outcomes*
Zhangsheng Yu, SJTU-Yale Joint Center of Biostatistics, Shanghai Jiao Tong University, Email: yu20150915@163.com

14:35 *Dynamic Prediction for Multiple Repeated Measures and Event Time Data: an Application to Parkinson’s Disease*
Sheng Luo, University of Texas Health Science Center at Houston, Email: sheng.t.luo@uth.tmc.edu

15:00 *Joint modeling in palliative care research*
Zhigang Li, Dartmouth College, Email: Zhigang.Li@dartmouth.edu

15:25 Floor Discussion

8K. ISBA Sponsored Invited Session: “Theory and Applications of Bayesian Nonparametrics” (Invited Session 98), Room 100

Organizer: Michele Guindani, The University of Texas MD Anderson Cancer Center, Email: micheleguindani@gmail.com
Chair: Alexandra Mello Schmidt, McGill University, Email: Alexandra.schmidt@mcgill.ca

13:45 *Softplus Regressions and Convex Polytopes*
Mingyuan Zhou, University of Texas at Austin, Email: mingyuan.zhou@mccombs.utexas.edu

14:10 *Joint Estimation of Quantile Planes over Arbitrary Predictor Spaces*
Surya Tokdar, Duke University, Email: tokdar@stat.duke.edu

14:35 *Optimal Bayesian Minimax Rate for Unconstrained Large Covariance Matrices*
Jaeyong Lee, Seoul National University, Email: leejyc@gmail.com

15:00 *Dependent Random Measures in Bayesian Nonparametrics*
Igor Prünster, Bocconi University, Italy, Email: igor@carloalberto.org

15:25 Floor Discussion

8L. Recent Advances in Robust High-Dimensional Estimation and Inference (Invited Session 110), Room 107

**Organizer:** Zhao Ren, University of Pittsburgh, Email: zren@pitt.edu
**Chair:** Mengjie Chen, University of North Carolina at Chapel Hill,
           Email: mengjie@email.unc.edu

13:45 *High-Dimensional Regression under Low-Moment Conditions on Random Designs*
Cun-Hui Zhang, Rutgers University, Email: czhang@stat.rutgers.edu

14:10 *A Note on High Dimensional Z-Estimators*
Fang Han, University of Washington, Email: johnfhan@gmail.com

14:35 *A General Decision Theory for Huber's Robust Framework*
Chao Gao, Yale University, Email: chao.gao@yale.edu

15:00 *Robust Covariance/Scatter Matrix Estimation via Matrix Depth*
Zhao Ren, University of Pittsburgh, Email: zren@pitt.edu

15:25 Floor Discussion

8M. ICSA-Midwest Chapter Sponsored Invited Session: “Recent Development in Event Time Data Analysis and Semiparametric Models” (Invited Session 134), Room 224

**Organizers:** Gideon Zamba, University of Iowa, Email: gideon-zamba@uiowa.edu, and
Tu Wanzhu, Indiana University, Email: wtu1@iu.edu
**Chair:** Gideon Zamba, University of Iowa, Email: gideon-zamba@uiowa.edu

13:45 *Goodness-of-fit Test for Distribution Function in the Presence of Recurrent Event Data*
Gideon Zamba, University of Iowa, Email: gideon-zamba@uiowa.edu

14:10 *Proportional Likelihood Ratio Mixed Model for Longitudinal Discrete Interval Data*
Hongqian Wu, University of Iowa, Email: Hongqian-wu@uiowa.edu
14:35 Bivariate Survival Data with Semi-Competing Risk
Sujuan Gao, Indiana University, Email: sgao@iu.edu

15:00 Variable Selection and Structural Discovery in Multivariate Semiparametric Models
Wanzhu Tu, Indiana University, Email: wtu1@iu.edu

15:25 Floor Discussion

8N. Hierarchical likelihood approach for analysis of models with random effects (Invited Session 142), Room 222

Organizer: Youngjo Lee, Seoul National University, Email: youngjo@snu.ac.kr
Chair: Youngil Kim, Chungang University, Korea, Email: kimxx152@gmail.com

13:45 Hierarchical Likelihood Approach to Factor and Structural Equation Models
Youngjo Lee, Seoul National University, Email: youngjo@snu.ac.kr

14:10 Analysis of Degradation Data using Double Hierarchical Generalized Linear Model
Maengseok Noh, Pukyong National University, Email: msnoh@pknu.ac.kr

14:35 A HGLM Modelling Approach for Accelerated Life Tests
Dae-Heung Jang, Pukyong National University, Email: dhjang@pknu.ac.kr

15:00 Estimation of Case Fatality Rate of South Korean MERS using Run-Off Triangle Approach
Sungim Lee, Dankook University, Korea, Email: silee@dankook.ac.kr

15:25 Floor Discussion

8O. Stein’s Method and Applications (Invited Session 171), Room 207

Organizer: Xiao Fang, National University of Singapore, Email: stafx@nus.edu.sg
Chair: Qi-Man Shao, The Chinese University of Hong Kong, Email: qmshao@sta.cuhk.edu.hk

13:45 Normal Approximation for Random Measures: From Palm Theory to Stein's Method
Louis H. Y. Chen, National University of Singapore, Email: matchyl@nus.edu.sg

14:10 On the Ginibre Point Process and Its Applications
Aihua Xia, University of Melbourne, aihuaxia@unimelb.edu.au

14:35 Berry-Esseen bounds of normal and nonnormal approximation for unbounded exchangeable pairs
Zhuosong Zhang, The Chinese University of Hong Kong, Email: zhuosongzhang@foxmail.com
15:00 **Stein’s Method for Steady-State Diffusion Approximations**  
Xiao Fang, National University of Singapore, stafx@nus.edu.sg

15:25 Floor Discussion

8P. **Statistical Methods in Medical Diagnosis (Invited Session 188), Room 219**

**Organizer:** Ying Lu, Stanford University, Email: ylu1@stanford.edu  
**Chair:** Hua Jin, Ph.D., South China Normal University, Email: jinh1@163.com

13:45 **Semi-parametric ROC Analysis for Repeated Measurement Data with Measurement Error**  
Caixia Li, Sun-Yat Sen University, Email: sysu_licx@hotmail.com

14:15 **Cross-sectional design with a short-term follow-up for prognostic imaging biomarkers**  
Joong-Ho Won, Seoul National University, Email: johann.won@gmail.com

14:45 **The Most Concordant Cutoff Point from an ROC Curve for Construction of a Binary Diagnostic Test**  
Yanyan Song, Shanghai Jiao Tong University, Email: yanyans@stanford.edu

15:15 **Discussant:** Qian Zhao, Guangzhou Medical University, Email: zhaoqian121@126.com

15:25 Floor Discussion

8Q. **Bayesian Methods and Missing Data Analysis (Invited Session 194), Room 214**

**Organizer:** Niansheng Tang, Yunnan University, Email: nstang@ynu.edu.cn  
**Chair:** Xuedong Chen, Huzhou University, Email: xdchen@hutc.zj.cn

13:45 **Statistical Inference for Functional Partial Linear Model with Missing Response at Random**  
Jianjun Zhou, Yunnan University, Email: jjzhou@ynu.edu.cn

14:10 **Bayesian influence analysis of nonlinear reproductive dispersion mixed models for longitudinal data with nonignorable missing covariates**  
Hui Zhao, Yunnan University, Email: zhaohuistat@ynu.edu.cn

14:35 **Bayesian Semiparametric Analysis for Spatial Factor Analysis Model**  
Yemao Xia, Nanjing Forestry University, Email: ym_xia71@163.com

15:00 **Bayesian Variable Selection on Semiparametric Joint Model of Multivariate Longitudinal and Survival Data**
Anming Tang, Yunnan University, Email: tam13as@sina.com

15:25 Floor Discussion

8R. Contributed Session 12, Statistical Methods, Models, and Algorithms with Various Applications, Room 108

Chair: Yuan Wu, Duke University, Email: yuan.wu@duke.edu

13:45 Optional Randomized Response Technique in Two-Phase Sampling
John Olaomi, University of South Africa, Email: olaomjo@unisa.ac.za

14:05 Coupling Computer Models through Linking Their Statistical Emulators
Ksenia Kyzyurova, Duke University, Email: ksenia@stat.duke.edu

14:25 Asymptotic Properties of Maximum Likelihood Estimation for Multivariate Diffusions
Chenxu Li, Peking University, Email: chenxuli@pku.edu.cn

14:45 Fast NMF Algorithm Based on Random Projections
Yu-Hsiang Cheng, Academia Sinica, Email: yuhsiang@stat.sinica.edu.tw

15:05 Estimating the Parameters of Weibull Distribution via Particle Swarm Optimization Based on an Adaptive Search Space
Sukru Aciitas, Anadolu University, Email: sacitas@anadolu.edu.tr

15:25 Floor Discussion

8S. Contributed Session 13, Recent Advance in Classification, Clustering, and Machine Learning, Room 229

Chair: Minggen Lu, University of Nevada, Reno, Email: minggenl@unr.edu

13:45 Classification under Data Contamination with Applications
Donghui Yan, University of Massachusetts Dartmouth, Email: dyan@umassd.edu

14:05 Robust Wasserstein Profile Inference and Application to Machine Learning
Yang Kang, Columbia University, Email: yangkang@stat.columbia.edu

14:25 Clustering Functional Data Using Projections
Tung Pham, University of Melbourne, Email: pham.t@unimelb.edu.au

14:45 Accuracy of Regularized D-rule for Binary Classification
Won Son, Seoul National University, Email: sonwon@snu.ac.kr
15:05 Differences in Differences: Bias Reduction with Regular Kernels
Chan Shen, The University of Texas MD Anderson Cancer Center,
Email: CShen@mdanderson.org

15:25 Floor Discussion

8T. Contributed Session 18, Monte Carlo Methods, Likelihood-Free Inference, and Chaotic Likelihoods, Room 104

Chair: Bo Li, University of Illinois at Urbana-Champaign, Email: libo@illinois.edu

13:45 Simple, Scalable and Accurate Posterior Interval Estimation
Cheng Li, National University of Singapore, Email: stalic@nus.edu.sg

14:05 Parallelized Adaptive Rejection Metropolis Sampling on the Utility of Graphics Cards
Yuefeng Wu, University of Missouri Saint Louis, Email: wuyue@umsl.edu

14:25 Geometrically Tempered Hamiltonian Monte Carlo
Akihiko Nishimura, Duke University, Email: an88@duke.edu

14:45 Improved Convergence of Regression Adjusted Likelihood-free Bayesian Inference
Wentao Li, Lancaster University, Email: w.li@lancaster.ac.uk

15:05 Rising Above Chaotic Likelihoods
Hailiang Du, University of Chicago, Email: hdu@uchicago.edu

15:25 Floor Discussion

Coffee/Tea Break (15:30 - 15:50)

Parallel Sessions 9 (15:50 - 17:40), Engineering Hall

9A. ICSA-Biometrics Section Sponsored Invited Session: “New Development in Semiparametric Models for Survival Analysis” (Invited Session 6), Room 214

Organizer and Chair: Donglin Zeng, University of North Carolina,
Email: dzeng@email.unc.edu

15:55 Novel diagnostic accuracy analysis for competing risks outcomes with ROC surface
Yu Chen, University of Pittsburgh, Email: yucheng@pitt.edu

16:20 Constructing Disease Onset Signatures Using High-Dimensional Network-Structured Biomarkers
Yuanjia Wang, Columbia University, Email: yw2016@cumc.columbia.edu

16:45 Semiparametric Transformation Models with Multi-Level Random Effects for Family Survival Data
Baosheng Liang, The Hong Kong University, Email: bliang09@hku.hk

17:10 Semiparametric Regression Analysis of Interval-Censored Competing Risks Data
Donglin Zeng, University of North Carolina, Email: dzeng@email.unc.edu

17:35 Floor Discussion

9B. Challenging Statistical Issues in High-dimensional Inference (Invited Session 7), Room 220

Organizers: Haipeng Shen, University of Hong Kong, Email: shenhaipeng@gmail.com, and Dan Yang, Rutgers University, Email: dyang@stat.rutgers.edu
Chair: Haipeng Shen, University of Hong Kong, Email: shenhaipeng@gmail.com

15:55 Testing the distribution specification in multiparameter local likelihood models
Ming-Yen Cheng, National Taiwan University, Email: cheng@math.ntu.edu.tw

16:20 Modeling Dependent Functional Data
Jeng-Min Chiou, Institute of Statistical Science, Academia Sinica, Email: jmchiou@stat.sinica.edu.tw

16:45 Two-Sample Tests for High-Dimensional Linear Regression with an Application to Detecting Interactions
Yin Xia, University of North Carolina at Chapel Hill, Email: xiayin@email.unc.edu

17:10 Functional Bilinear Regression with Matrix Covariates via Reproducing Kernel Hilbert Space with Applications in Neuroimaging Data Analysis
Dong Wang, Rutgers University, Email: dongwangunc@gmail.com

17:35 Floor Discussion

9C. Modern Bayesian Methods in Big Data and Precision Medicine (Invited Session 16), Room 102
Organizer: Yuan Ji, NorthShore University HealthSystem; The University of Chicago, Email: YJi@healthbsd.uchicago.edu
Chair: Lynn Kuo, University of Connecticut, lynn.kuo@uconn.edu

15:55 Bayesian Sparse Reduced Rank Multivariate Regression
Dipak K. Dey, University of Connecticut, Email: dipak.dey@uconn.edu

16:20 Bayesian Nonparametric Inference for Tumor Purity and Tumor Subclones
Juhee Lee, University of California Santa Cruz, Email: juheelee@soe.ucsc.edu

16:45 Bayesian Subgroup Inference for Precision Medicine
Yuan Ji, NorthShore University HealthSystem; The University of Chicago, Email: YJi@healthbsd.uchicago.edu

17:10 Bayesian Modeling and Inference for Nonignorably Missing Longitudinal Binary Response Data with Applications to HIV Prevention Trials
Ming-Hui Chen, University of Connecticut, Email: ming-hui.chen@uconn.edu

17:35 Floor Discussion

9D. Recent Statistical Analytics for Big Data in Finance (Invited Session 20), Room 222
Organizer and Chair: Ying Chen, National University of Singapore, Email: stacheny@nus.edu.sg

15:55 Pricing and Transmission Mechanism of Chengtou Bond Risk in Treasury Yields in China
Linlin Niu, Xiamen University, Email: linlin.niu@gmail.com

16:20 The Econometrics of CRIX
Wolfgang Karl Härdle, Humboldt-Universität zu Berlin, Germany, Email: stat@wiwi.hu-berlin.de

16:45 On the Determinants of the 2008 Financial Crisis: A Bayesian Approach to the Selection of Groups and Variables
Ray-Bing Chen, National Cheng Kung University, Email: rbchen@stat.ncku.edu.tw

17:10 Modeling Seasonality and Serial Dependence of Electricity Price Curves with Warping Functional Autoregressive Dynamics
Ying Chen, National University of Singapore, Email: stacheny@nus.edu.sg

17:35 Floor Discussion

9E. Some New Tests for Some New Statistical Problems (Invited Session 37), Room 208
Organizer: Qihua Wang, Chinese Academy of Sciences, Email: qhwang@amss.ac.cn  
Chair: Changliang Zou, Nankai University, Email: nk.chlzou@gmail.com

15:55 A New Nonparametric Test for Checking the Equality of the Correlation Structures of Two Time Series  
Suojin Wang, Texas A&M University, Email: sjwang678@gmail.com

16:20 Consistent Test of Moderate or High Dimensional Parametric Models with Right-censored Response  
Zhihua Sun, Chinese Academy of Sciences, Email: sunzh@amss.ac.cn

16:45 Non-parametric Test for Equality of Distributions of High-Dimensional Data  
Xiaobo Ding, Chinese Academy of Sciences, Email: waveletding@amss.ac.cn

17:10 Partially Linear Additive Models with Unknown Link Functions  
Jun Zhang, Shenzhen University, Email: zhangjunstat@gmail.com

17:35 Floor Discussion

9F. Advanced Statistical Methods for Complex Observational Studies (Invited Session 44), Room 103

Organizer: Jianwen Cai, University of North Carolina at Chapel Hill, Email: cai@bios.unc.edu  
Chair: Wenli Deng, Jiangxi Normal University, Email: wldfudan@126.com

15:55 Statistical Challenge in Analyzing Data from Observational Studies  
Yu Shen, Texas MD Anderson Cancer Center, Email: yshen@mdanderson.org

16:20 Bias-adjusted Kaplan-Meier Survival Curves for Marginal Treatment Effect in Observational Studies  
Xiaofei Wang, Duke University, Email: xiaofei.wang@duke.edu

16:45 Doubly Robust Estimation of Partially Linear Models for Longitudinal Data with Dropouts and Measurement Error in Covariates  
Guoyou Qin, Fudan University, Email: gyqin@fudan.edu.cn

17:10 Assessing Agreement with Relative Area under the Coverage Probability Curve  
Huiman Barnhart, Duke University, Email: huiman.barnhart@duke.edu

17:35 Floor Discussion

9G. New Advanced in the Analysis of Complex Correlated Data (Invited Session 53), Room 226
Organizer: Peter Song, University of Michigan, Email: pxsong@umich.edu  
Chair: Abdel-Salam Gomaa, Qatar University, Email: abdo@qu.edu.qa

15:55 Analysis of Proportional Mean Residual Life Model with Latent Variables  
Xinyuan Song, Chinese University of Hong Kong, Email: xysong@sta.cuhk.edu.hk

16:20 Spatial Modeling of Anisotropic Covariance Structure in Infectious Disease Surveillance Data  
Oyelola A. Adegboye, Qatar University, Email: o.adegboye@qu.edu.qa

16:45 Distributed Statistical Inference and Asymptotic Guarantees  
Xiaoming Huo, Georgia Institute of Technology, Email: huo@gatech.edu

17:10 Merging Multiple Longitudinal Studies with Study-specific Missing Covariates: A Joint Estimating Function Approach  
Fei Wang, Global Analytics, Ford Motor Credit, Email: wafei@umich.edu

17:35 Floor Discussion

9H. Boundary Crossing Probability for Brownian Motion and Related Processes and Their Applications (Invited Session 62), Room 105

Organizer and Chair: Wendy Lou, University of Toronto, Email: wendy.lou@utoronto.ca

15:55 First passage probabilities of one-dimensional diffusion processes  
Jinghai Shao, Beijing Normal University, Email: shaojh@bnu.edu.cn

16:20 First Passage Time for Brownian Motion and Piecewise Linear Boundaries  
Liqun Wang, University of Manitoba, Email: Liqun.Wang@umanitoba.ca

16:45 Multidimensional Boundary Crossing Problems with Applications  
Cheng-Der Fuh, Academia Sinica, Email: stcheng@ccvax.sinica.edu.tw

17:10 Boundary Crossing Probabilities for High-Dimensional Brownian Motion with Applications  
James C. Fu, University of Manitoba, Email: James.Fu@umanitoba.ca

17:35 Floor Discussion

9I. Recent Advances on MM Algorithms (Invited Session 104), Room 104

Organizer: Hua Zhou, University of California at Los Angeles, Email: huazhou@ucla.edu  
Chair: Gary Guoliang Tian, The University of Hong Kong, Email: gltian@hku.hk
15:55 An MM algorithm for the Split-Feasibility Problem
Eric Chi, North Carolina State University, Email: eric_chi@ncsu.edu

16:15 A Novel MM Algorithm and the Mode-Sharing Method in Bayesian Computation for the Analysis of General Incomplete Categorical Data
Yin Liu, Zhongnan University of Economics and Law, Email: yliu_1031@sina.com

16:35 Stochastic Majorization-Minimization for Machine Learning
Joshua Day, North Carolina State University, Email: jtday2@ncsu.edu

16:55 MM Algorithms for Variance Components Models
Hua Zhou, University of California at Los Angeles, Email: huazhou@ucla.edu

17:15 The assembly and decomposition (AD) method for constructing separable minorizing functions in a class of MM algorithms
Xi-Fen Huang, The University of Hong Kong, Email: u3003396@connect,hku.hk

17:35 Floor Discussion

9J. New Methods for Large Graphical Models and Genetic Data (Invited Session 108), Room 219
Organizer: Zheng Tracy Ke, University of Chicago, Email: zke@galton.uchicago.edu
Chair: Fang Han, Johns Hopkins University, Email: fhan@jhu.edu

15:55 A Conditional Dependence Measure with Applications to Undirected Graphical Models
Lucy Xia, Stanford University, Email: lucyxia@stanford.edu

16:20 Integrative Approach to Cancer Drive Gene Discovery from Somatic Mutations
Xin He, University of Chicago, Email: xinhe@uchicago.edu

16:45 Scalable Nonparametric Bayesian Learning of Heterogeneous Dynamic Poisson Graphical Models
Yingying Wei, Chinese University of Hong Kong, Email: yweicuhk@gmail.com

17:10 Detecting Rare and Weak Spikes in Large Covariance Matrices
Zheng Tracy Ke, University of Chicago, Email: zke@galton.uchicago.edu

17:35 Floor Discussion

9K. Advances in Latent Variables Models for Educational Testing (Invited Session 140), Room 106
Organizer: Xiaojing Wang, University of Connecticut, Email: xiaojing.wang@uconn.edu
Chair: Jian Tao, Northeast Normal University, Email: taoj@nenu.edu.cn

15:55 Assessing Students’ Understanding by Latent Class Based Adaptive Testing
Hua-hua Chang, University of Illinois-Urbana Champaign, Email: hhchang@illinois.edu

16:20 Item Response Theory and Intervention Evaluation Studies
Cai Li, University of California, Los Angeles, Email: lcai@ucla.edu

16:45 Bayesian Nonparametric Monotone Regression of Dynamic Latent Traits in Item Response Models
Yang Liu, University of Connecticut, Email: yang.5.liu@uconn.edu

17:10 Bayesian Joint Modeling for Item Responses and Response Times
Jian Tao, Northeast Normal University, Email: taoj@nenu.edu.cn

17:35 Floor Discussion

9L. Statistical Methods for Large Dimensional Data (Invited Session 143), Room 218

Organizers: Cheng Wang, Shanghai Jiao Tong University, Email: chengwang@sjtu.edu.cn, and Binyan Jiang, Hong Kong Polytechnic University, Email: by.jiang@polyu.edu.hk
Chair: Cheng Wang, Shanghai Jiao Tong University, Email: chengwang@sjtu.edu.cn

15:55 High Dimensional Correlation Matrices: CLT and Its Applications
Xiao Han, Nanyang Technological University, Email: xhan011@e.ntu.edu.sg

16:20 On dimensionality effects in linear discriminant analysis for large dimensional data
Chen Wang, University of Cambridge, Email: cw622@cam.ac.uk

16:45 On an Example where the Marcenko-Pastur Law Does Not Hold
Weiming Li, Beijing University of Posts and Telecommunications, Email: stalwm@bupt.edu.cn

17:10 On Dimensionality Effects in Linear Discriminant Analysis for Large Dimensional Data
Cheng Wang, Shanghai Jiao Tong University, Email: chengwang@sjtu.edu.cn

17:35 Floor Discussion

9M. Advance Asymptotic Methods for Statistics (Invited Session 165), Room 207

Organizer: Li-Xin Zhang, Zhejiang University, Email: stazlx@zju.edu.cn
Chair: Wensheng Wang, Hangzhou Normal University, Email: wswang.aliyun.com
15:55 **Bernstein Inequality for Multivariate Point Processes**  
Zhengyan Lin, Zhejiang University, Email: zlin@zju.edu.cn

16:20 **Efficient Empirical Likelihood Inference in Partial Linear Models for Longitudinal Data**  
Lianfen Qian, Florida Atlantic University, Email: lqian@fau.edu

16:45 **CLT for Linear Spectral Statistics of Large Dimensional Sample Covariance Matrices with Dependent Data**  
Shurong Zheng, Northeast Normal University, Email: zhengsr@nenu.edu.cn

17:10 **Robust Closed-Form Estimators for the Integer-Valued GARCH(1,1) Model**  
Fukang Zhu, Mathematics School and Institute of Jilin University, Email: zfk8010@163.com

17:35 Floor Discussion

9N. RSS Sponsored Invited Session: “New Methods for Modeling of Complex and Challenging Data” (Invited Session 170), **Room 224**

**Organizer:** Jianxin Pan, The University of Manchester, UK,  
Email: jianxin.pan@manchester.ac.uk  
**Chair:** Hongsheng Dai, Essex University, UK, Email: hdaia@essex.ac.uk

15:55 **Functional LARS and Analysis of Big Medical Movement Data**  
Jian Qing Shi, Newcastle University, UK. Email: jian.shi@newcastle.ac.uk

16:20 **A Spline Growth Model for Multivariate Data**  
Tapio Nummi, University of Tampere, Finland, Email: Tapio.Nummi@uta.fi

16:45 **Data Adaptive Tail-index Regression**  
Keming Yu, Brunel University, UK. Email: Keming.Yu@brunel.ac.uk

17:10 **Joint Mean-Covariance Modelling and Its R Package: JMCM**  
Jianxin Pan, The University of Manchester, UK,  
Email: jianxin.pan@manchester.ac.uk

17:35 Floor Discussion

9O. Recent Developments in Machine Learning and Data Mining (I) (Invited Session 177), **Room 228**

**Organizer:** Xiaotong Shen, University of Minnesota, Email: xshen@umn.edu  
**Chair:** Yunzhang Zhu, Ohio State University, Email: zhuyunzhang87@gmail.com
15:55 *Nonparametric Variable Selection and Screening*  
Yichao Wu, North Carolina State University, Email: wu@stat.ncsu.edu

16:20 *High-Dimensional Conditional Graphical Models*  
Yunzhang Zhang, Ohio State University, Email: zhuyunzhang87@gmail.com

16:45 *Large Margin Classifiers with Unequal Costs*  
Shaoli Wang, Shanghai Economics and Finance University,  
Email: shufe.shaoli@gmail.com

17:10 *Probability-Enhanced Sufficient Dimension Reduction for Binary Classification*  
Helen Zhang, Arizona State University, Email: haohelen.zhang@gmail.com

17:35 Floor Discussion

9P. ASA and ICSA-Shanghai Chapter Sponsored Invited Tutorial Session: “Statistical Modelling Using SAS” (Invited Session 185), **Room 100**

**Organizers:** Fang Chen, SAS Institute Inc., Email: FangK.Chen@sas.com and  
Wei Chen, Novartis Pharma, Email: wei_j.chen@novartis.com  
**Chair:** Wenbin Lu, North Carolina State University, Email: wlu4@ncsu.edu

15:55 *Statistical Model Building for Large, Complex Data: New Directions in SAS/STAT Software*  
Robert N. Rodriguez, SAS Institute Inc, Email: Bob.Rodriguez@sas.com

16:40 *Bayesian Capabilities in SAS/STAT@ Software*  
Fang Chen, SAS Institute Inc., Email: FangK.Chen@sas.com

17:25 **Discussant:** Yi Cheng, Novartis Pharma, Email: yi.cheng@novartis.com

17:35 Floor Discussion

9Q. Computational Methods in Statistics (Invited Session 204), **Room 202**

**Organizer and Chair:** Sahand Negahban, Yale University, Email: sahand.negahban@yale.edu

15:55 *Local Minimax Complexity of Stochastic Convex Optimization*  
John C. Duchi, Stanford University, Email: jduchi@stanford.edu

16:20 *kNN methods for estimating functionals of the density*  
Sewoong Oh, University of Illinois at Urbana-Champaign, Email: swoh@illinois.edu

16:45 *On Degrees of Freedom of Projection Estimators with Applications to Multivariate Shape*
Restricted Regression
Xi Chen, New York University Stern School of Business, Email: xchen3@stern.nyu.edu

17:10 Estimation in the Ising blockmodel
Quentin Berthet, Cambridge University, UK, Email: q.berthet@gmail.com

17:35 Floor Discussion

9R. Big Data and Advanced Statistics Methods in Finance (Invited Session 212), Room 107

Organizer and Chair: Dongchu Sun, University of Missouri and East China Normal University
Email: sund@missouri.edu

15:55 Big Data in Finance
Bing Cheng, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Email: bc2@amss.ac.cn

16:20 Bayesian method and its application to Chinese yield curve estimation
Zhong Liu, China Securities Index Company, LTD, Email: zliu@sse.com.cn

16:45 Statistics Applications in Securities Markets
Daode Gao, Haitong Securities Company, LTD, Email: gaodd@htsec.com

17:10 Estimating Chinese Treasury Yield Curves with Bayesian Smoothing Splines
Zhuoqiong He, University of Missouri, Columbia, Email: hezh@missouri.edu

17:35 Floor Discussion

9S. Contributed Session 14, Recent Advance in Estimating Covariance Matrices, Ridge Regression, and Quantile Regressions, Room 108

Chair: Min-ge Xie, Rutgers University, Email: mxie@stat.rutgers.edu

15:55 Weighted Statistic in Detecting Faint and Sparse Alternatives for High-dimensional Covariance Matrices
Qing Yang, Nanyang Technological University, Email: qyang1@e.ntu.edu.sg

16:15 Local Shrinkage Covariance Model
Jie Li, Dali University, Email: lijie_12@hotmail.com

16:35 Conditional Quantile Regression Tree with Rank Score Statistics
Huichen Zhu, Columbia University, Email: hz2366@cumc.columbia.edu

16:55 Zero-inflated Quantile Regression and It's Application in NOMAS
17:15 Matrix-F Variance Targeted Model on Realized Covariance Matrices  
Jiayuan Zhou, The University of Hong Kong, Email: zhoujy6162@gmail.com

17:35 Floor Discussion

9T. Contributed Session 15, Bayesian Approaches for Analyzing Genomic and Clinical Data, Room 229

Chair: Haim Bar, University of Connecticut, Email: haim.bar@uconn.edu

15:55 A Bayesian Method for Testing Differential Directed Acyclic Graphs  
Hongmei Zhang, University of Memphis, School of Public Health,  
Email: hzhang6@memphis.edu

16:15 Some Bayesian Approaches for Identifying Differentially Expressed Genes for RNA-seq Data Based on 2×2 Contingency Tables  
Mojtaba Ganjali, Shahid Beheshti University, Email: m-ganjali@sbu.ac.ir

16:35 A Bayesian Analysis of Diffusion Tensor Images to Study the Interaction Between Genetic Variants in Subjects with Cocaine Use Disorder  
Edward Boone, Virginia Commonwealth University, Email: elboone@vcu.edu

16:55 A Bayesian Prediction Model Between a Biomarker and the Clinical Endpoint for Dichotomous Variables  
Yang Song, Vertex Pharmaceuticals, Inc., Email: yang_song@vrtx.com

17:15 Bayesian Optimality of Sequential Subset Design  
Tanvir Ahmad, Government College University Faisalabad, Pakistan,  
Email: dr_tanvir@gcuf.edu.pk

17:35 Floor Discussion

Huangpu River Cruise
18:00 – 20:30, Wednesday, December 21, 2016 (open)
Thursday, December 22, 2016
Location: Xuhui Campus of SJTU

8:30 - 17:00: Registration, Engineering Hall, Room 113 & Room 114 (1st floor)

Pao-Lu Hsu Award Ceremony Session (9:00-10:20), Wenzhi Tang Hall
Recipient and Speaker: Jun S. Liu, Harvard University
   In Search of Relationships: From R-squared to Semi-parametric Models
   Chair: Heping Zhang, the Chair of ICSA Awards Committee, Yale University

Coffee/Tea Break (10:20 - 10:40)

Parallel Sessions 10 (10:40 - 12:30), Engineering Hall

10A. Emerging Statistical Power in Integrating Big and Complex Neuroimaging Data (Invited Session 4), Room 224

Organizer: Linglong Kong, University of Alberta, Email: lkong@ualberta.ca
Chair: Tingting Zhang, University of Virginia, Email: tz3b@virginia.edu

10:45 Spatial Bayesian Latent Factor Regression Modeling of Multiple Sclerosis Lesion Data
   Timothy Johnson, University of Michigan, Email: tdjtdj@umich.edu

11:10 Functional and imaging data in precision medicine
   Todd Ogden, Columbia University, Email: to166@cumc.columbia.edu

11:35 Sparse Screening for Exact Data Reduction
   Jieping Ye, University of Michigan, Email: jpye@med.umich.edu

12:00 Evaluating the Dynamic Behavior of Functional Connectivity in the Brain
   Martin Lindquist, John Hopkins University, Email: mlindqui@jhsph.edu

12:25 Floor Discussion
10B. ICSA-Biometrics Section Sponsored Invited Session: “Recent Progress in Personalized Medicine” (Invited Session 8), Room 218

Organizers: Yingqi Zhao, Fred Hutchinson Cancer Research Center, Email: yqzhao@fhcrc.org and Donglin Zeng, University of North Carolina, Email: dzeng@email.unc.edu
Chair: Donglin Zeng, University of North Carolina, Email: dzeng@email.unc.edu

10:45 A New Overall-Subgroup Simultaneous Test for Optimal Inference in Biomarker-Targeted Confirmatory Trials
Ying Lu, Stanford University, Email: ylu1@stanford.edu

11:10 Estimating Optimal Dynamic Treatment Regimes with Shared Decision Rules
Bibhas Chakraborty, Duke-NUS, Email: bibhas.chakraborty@duke-nus.edu.sg

11:35 Tree-based Censoring Imputation for Personalized Medicine
Ruoqing Zhu, University of Illinois Urbana-Champaign, Email: rqzhu@illinois.edu

12:00 Estimating Optimal Treatment Regimes from a Classification Perspective
Baqun Zhang, Renmin University, Email: zhangbaqun@ruc.edu.cn

12:25 Floor Discussion

10C. Recent Advances in High-dimensional Data Analysis (Invited Session 19), Room 228

Organizer and Chair: Shurong Zheng, Northeast Normal University, China, Email: zhengsr@nenu.edu.cn

10:45 On Singular Value Distribution of Large-Dimensional Autocovariance Matrices
Jianfeng Yao, The University of Hong Kong, Email: jeffyao@hku.hk

11:10 Cumulative Divergence: From Marginal Screening to Forward Regression
Liping Zhu, Shanghai University of Finance and Economics, Email: zhu.liping@mail.shufe.edu.cn; zhulp1@hotmail.com

11:35 On-line Control of Dynamic False Discovery Rates
Lilun Du, The Hong Kong University of Science and Technology, China, Email: dulilun@ust.hk

12:00 Hypothesis Testing for High-dimensional Regression Models
Shan Luo, Shanghai Jiao Tong University, Email: sluomath@sjtu.edu.cn

12:25 Floor Discussion
10D. Some New Advances in Failure Time Data Analysis (Invited Session 51), Room 105

Organizer: (Tony) Jianguo Sun, University of Missouri, Email: sunj@missouri.edu
Chair: Hui Zhao, Central China Normal University, Email: hzhao@mail.ccnu.edu.cn

10:45 **Local Partial-Likelihood Estimation for Varying Coefficient Hazard Models and Current Status Data**
Yanqing Feng, Wuhan University, Email: yqfeng.math@whu.edu.cn

11:05 **A Joint Modeling Approach for Analyzing Multivariate Current Status Failure Time Data with Latent Risk Factors**
Chunjie Wang, Jilin Technology University, Email: cjwang2014@126.com

11:25 **Regression Analysis of Length-Biased and Right-Censored Failure Time Data with Missing Covariates**
Na Hu, Boehringer-Ingelheim, China, Email: nh2hd@mail.missouri.edu

11:45 **Regression Analysis of Case K Interval-censored Failure Time Data in the Presence of Informative Censoring**
Peijie Wang, Jilin University, Email: wangpj19890114@163.com

12:05 **Inference in a Survival Cure Model with Mismeasured Covariates Using a SIMEX Approach**
Ingrid Van Keilegom, Université catholique de Louvain, Email: ingrid.vankeilegom@uclouvain.be

12:25 Floor Discussion

10E. Methodologies for Correlated Survival Data (Invited Session 66), Room 202

Organizer and Chair: Liming Xiang, Nanyang Technological University, Email: lmxiang@ntu.edu.sg

10:45 **Frailty Modelling Approaches for Semi-competing Risks Data**
IL Do Ha, Pukyong National University, South Korea, Email: idha1353@pknu.ac.kr

11:10 **A Sieve Semiparametric Maximum Likelihood Estimation Method for Accelerated Hazard Model with Interval Censored Data**
Zsolt Szabo, Nanyang Technological University, Email: ZSOLT001@e.ntu.edu.sg

11:35 **Penalized empirical likelihood inference for sparse additive hazards regression with a diverging number of covariates**
Shanshan Wang, Beihan University, Email: sswang@buaa.edu.cn and ssw_statistics@126.com
12:00 *Generalized M-Estimation for the Accelerated Failure Time Model*
Siyang Wang, Central University of Finance and Economics, China,
Email: siyangw@163.com

12:25 Floor Discussion

10F. Recent Advances and Challenges in Statistical Methods for Big Biological and Medical Data (Invited Session 78), **Room 219**

Organizer: Ji Zhu, University of Michigan, Email: jizhu@umich.edu
Chair: Jie Peng, University of California - Davis, Email: jiepeng@ucdavis.edu

10:45 *Flexible Graphical Models for Large-Scale Heterogeneous Cancer Genomic Data*
Yufeng Liu, University of North Carolina - Chapel Hill, Email: yfliu@email.unc.edu

11:10 *Fusion Learning in Data Integration*
Peter Song, University of Michigan, Email: pxsong@umich.edu

11:35 *Identifying Cis-mediators for Trans-eQTLs Across Many Human Tissues Using Genomic Mediation Analysis*
Lin Chen, University of Chicago, Email: lchen@health.bsd.uchicago.edu

12:00 *Multiple Change-point Detection*
Heping Zhang, Yale University, Email: heping.zhang@yale.edu

12:25 Floor Discussion

10G. Change-Point Detection and Inference (Invited Session 83), **Room 103**

Organizer and Chair: Ning Hao, University of Arizona, Email: nhao@math.arizona.edu

10:45 *Change Point Analysis of Second Order Characteristics in Non-stationary Time Series*
Zhou Zhou, University of Toronto, Email: zhou@utstat.toronto.edu

11:10 *Change-point detection for locally dependent data*
Hao Chen, University of California, Davis, Email: hxchen@ucdavis.edu

11:35 *Multiscale Change Point Inference for Heterogeneous Data - with Applications to Ion Channel Recordings*
Florian Pein, Georg-August-University of Goettingen, Email: fpein@uni-goettingen.de

12:00 *False Discovery Control for Multiple Change-point Detection*
Ning Hao, University of Arizona, Email: nhao@math.arizona.edu
12:25 Floor Discussion

10H. Solutions for Dealing with Large Spatial and Spatiotemporal Data (Invited Session 84), Room 107

Organizer and Chair: Bo Li, University of Illinois at Urbana-Champaign,
Email: libo@illinois.edu

10:45 Flexible Point Process Models for Global Lightning Occurrences
Jun Mikyoung, Texas A&M University, Email: mjun@stat.tamu.edu

11:10 Multi-Resolution Spatial Random-Effects Models for Automatic Fixed-Rank Kriging
Hsin-Cheng Huang, Institute of Statistical Science, Academia Sinica,
Email: hchuang@stat.sinica.edu.tw

11:35 Kriging Asymptotics for Multiresolution Processes
Will Kleiber, University of Colorado at Boulder,
Email: William.Kleiber@Colorado.EDU

12:00 Comparison Between Spatio-Temporal Random Processes and Application to Climate Model Data
Bo Li, University of Illinois at Urbana-Champaign, Email: libo@illinois.edu

12:25 Floor Discussion

10I. Recent Advances in Network Analysis (Invited Session 89), Room 106

Organizer and Chair: Zongming Ma, University of Pennsylvania,
Email: zongming@wharton.upenn.edu

10:45 A Semidefinite Program for Structured and Dynamic Blockmodels
David Choi, Carnegie Mellon University, Email: davidch@andrew.cmu.edu

11:10 Persistence of centrality in random growing trees
Po-Ling Loh, University of Pennsylvania, Email: loh@wharton.upenn.edu

11:35 Semidefinite Programs for Exact Recovery of a Hidden Community
Yihong Wu, University of Illinois at Urbana-Champaign,
Email: yihongwu@illinois.edu

12:00 Statistical and Computational Guarantees of Lloyd's Algorithm
Harrison Zhou, Yale University, Email: huibin.zhou@yale.edu

12:25 Floor Discussion
10J. Recent Advances on ODE/PDE Modeling and Its Applications (Invited Session 93), Room 207

Organizer and Chair: Xinping Cui, University of California, Riverside, Email: xinping.cui@ucr.edu

10:45 Extra High-Dimensional Linear ODE Model Selection and Parameter Estimation: A Matrix-Based Approach
Hulin Wu, University of Texas Health Science Center at Houston, Email: Hulin.Wu@uth.tmc.edu.

11:10 How Genes Coordinate Competition and Cooperation: New Insight by Integrating Functional Mapping and Evolutionary Game Theory
Rongling Wu, Pennsylvania State University, Email: RWu@phs.psu.edu

11:35 Optimal control and additive perturbations help in estimating ill-posed and uncertain dynamical systems
Nicolas Brunel, Universite d'Evry, France, Email: nicolas.brunel@ensiie.fr

12:00 Constrained Nonlinear and Mixed Effects Differential Equation Models for Dynamic Cell Polarity Signaling
Chenwei Tian, University of California, Riverside, Email: ctian002@ucr.edu

12:25 Floor Discussion

10K. Novel Statistical Methods in the Era of Big Data (Invited Session 94), Room 104

Organizer and Chair: Ping Ma, University of Georgia, Email: pingma@uga.edu

10:45 Spline Smoothing with Large Data
Yuedong Wang, University of California - Santa Barbara, Email: yuedong@pstat.ucsb.edu

11:10 Systematic tissue-specific functional annotation of the human genome highlights immune-related DNA elements for late-onset Alzheimer’s disease
Hongyu Zhao, Yale University, Email: hongyu.zhao@yale.edu

11:35 Reference-free Learning with Multiple Metagenomic Samples
Wenxuan Zhong, University of Georgia, Email: wenxuan@uga.edu

12:00 Importance Sampling with Adaptive Mixture Proposals
Rong Chen, Rutgers University, Email: rongchen@stat.rutgers.edu

12:25 Floor Discussion
10L. Statistics and Causal Inference: Where Are We and Where Are We Heading? (Invited Session 96), Room 226

Organizer and Chair: James Robins, Harvard University, Email: robins@hsph.harvard.edu

10:45 Identifying Causal Effects with Negative Controls
Miao Wang, Peking University; Email: mwfy@pku.edu.cn

11:10 Negative Outcome Control of Unobserved Confounding
Eric Tchetgen Tchetgen, Harvard University, Email: etchetgen@gmail.com

11:35 Some Remarks on Missing Data and Causality
James Robins, Harvard University, Email: robins@hsph.harvard.edu

12:00 Bias-reduced Double-robust Estimation
Stijn Vansteelandt, Ghent University, Belgium, Email: Stijn.Vansteelandt@ugent.be

12:25 Floor Discussion

10M. Special Invited Panel Session: “Leadership by Statisticians in Drug Development” (Invited Session 99), Room 214, 10:40-12:30

Organizer and Moderator: James Pan, Johnson & Johnson, Email: jpan3@its.jnj.com

Panelists:
- Dejun Tang, Head, Analytics China, Novartis Pharma, Email: dejun.tang@novartis.com
- Gang Chen, CSO & SVP, R&G PharmaStudies Co., Ltd., Email: gang.chen@rg-pharma.com
- Anny-Yue Yin, Associate Director, Biostatistics, Roche PD-Shanghai, Email: anny-yue.yin.ay2@roche.com
- Wei Shen, Senior Director, Global Statistical Sciences, Eli Lilly and Company, Email: shen@lilly.com
- Cyrus Hoseyni, Vice President, Global Head of Statistics & Decision Sciences, Johnson & Johnson, Email: choseyni@its.jnj.com

10N. SSC Sponsored Invited Session: “Statistical Analysis of Event History Data: Recent Advances and Current Challenges” (Invited Session 152), Room 222

Organizer and Chair: Leilei Zeng, University of Waterloo, Email: lzeng@uwaterloo.ca
10:45 *The Utility of Tracing Studies in Cohorts with Loss to Follow-up*
Richard Cook, University of Waterloo, Email: rjcook@uwaterloo.ca

11:10 *Analysis of Event History Data in Forest Fire Control*
Joan Hu, Simon Fraser University, Email: joanh@sfu.ca

11:35 *Prevalent Cohort Studies: Length-Biased Sampling with Right Censoring*
Masoud Asgharian Dastenaei, McGill University, Email: masoud@math.mcgill.ca

12:00 *Joint Models for Mixed Types of Longitudinal and Survival Data*
Lang Wu, University of British Columbia, Email: lang@stat.ubc.ca

12:25 Floor Discussion

10O. Technometrics Special Invited Session: “Some New Statistical Methods on Big Data Analysis” (Invited Session 179), **Room 100**

**Organizer and Chair:** Peihua Qiu, University of Florida, Email: pqiu@ufl.edu

10:45 *Measuring Influence of Users in Twitter Ecosystems Using a Counting Process Modeling Framework*
George Michailidis, University of Florida, Email: gmi@ufl.edu

11:10 *Speeding up Neighborhood Search in Local Gaussian Process Prediction*
Robert Gramacy, University of Chicago, Email: rbgramacy@chicagobooth.edu

11:35 *Statistical Learning of Neuronal Functional Connectivity*
Chunming Zhang, University of Wisconsin-Madison, Email: cmzhang@stat.wisc.edu

12:00 *OEM: A Design-Based Least Squares Algorithm*
Shifeng Xiong, Chinese Academy of Sciences, Email: xiong@amss.ac.cn

12:25 Floor Discussion

10P. ICSA-Midwest Chapter Sponsored Invited Session: “Statistical Methods in HIV Prevention Research” (Invited Session 180), **Room 102**

**Organizer and Chair:** Jingyang Zhang, Fred Hutchinson Cancer Research Center, Email: jzhang2@fredhutch.org

10:45 *Sieve Analysis Using the Number of Infecting Pathogens*
Dean Follmann, Biostatistics Research Branch, NIAID, NIH, Email: dfollmann@niaid.nih.gov
11:10 Analysis of Longitudinal Adherence Measures from HIV Pre-Exposure Prophylaxis Studies
Jon Steingrimsson, Johns Hopkins Bloomberg School of Public Health,
Email: jsteing5@jhu.edu

11:35 Combining Multiple Adherence Measures in HIV Prevention Trials
Yifan Zhu, Fred Hutchinson Cancer Research Center,
Email: yzhu2@fredhutch.org

12:00 Data-Adaptive Estimation of Genotype-Specific Vaccine Efficacy in HIV and Malaria Phase III Trials
Peter B. Gilbert, Fred Hutchinson Cancer Research Center,
Email: pgilbert@fredhutch.org

12:25 Floor Discussion

10Q. IMS Sponsored Invited Session: “Flexible Modeling and Estimation” (Invited Session 198), Room 220
Organizer: Ming Yuan, University of Wisconsin-Madison,
Email: ming.mingyuan@gmail.com, myuan@stat.wisc.edu
Chair: Wenguang Sun, University of Southern California, wenguans@marshall.usc.edu

10:45 Set-Valued Multiclass Classifiers: Lowest Ambiguity with Bounded Error Levels
Jing Lei, Carnegie Mellon University, Email: jinglei@andrew.cmu.edu

11:10 Abstract Schmidt Hieber
Johannes Schmidt-Heiber, University of Leiden,
Email: schmidtthieber@math.leidenuniv.nl

11:35 Density Estimation in Infinite Dimensional Exponential Families
Bharat Sriperumbudur, Pennsylvania State University,
Email: bharathsv.ucsd@gmail.com

12:00 New Perspectives on Heritability Estimation and Random-Effects Models in Genetics
Lee Dicker, Rutgers University, Email: ldicker@stat.rutgers.edu

12:25 Floor Discussion

10R. Recent Developments in Machine Learning and Data Mining (II) (Invited Session 205), Room 228
Organizer: Xiaotong Shen, University of Minnesota, Email: xshen@umn.edu
Chair: Yichao Wu, North Carolina State University, Email: wu@stat.ncsu.edu
10:45 Gaussian Approximation and Bootstrap Theorems for High-Dimensional U-Statistics
Xiaohui Chen, University of Illinois at Urbana-Champaign,
Email: xhchen@illinois.edu,

11:10 Optimal Estimation for Quantile Regression with Functional Response
Xiao Wang, Purdue University, Email: wangxiao@purdue.edu

11:35 Empirical Likelihood Estimation for High Quantiles
Chengguo Weng, University of Waterloo, Email: chengguo.weng@uwaterloo.ca

12:00 Optimal Sup-norm Rates, Adaptivity and Inference in Nonparametric Instrumental Variables Estimation
Xiaohong Chen, Yale University, Email: xiaohong.chen@yale.edu

12:25 Floor Discussion

10S. Contributed Session 16, Statistical Methods in Risk and Survival Analyses, Room 108

Chair: Xian-Jin Xie, UT Southwestern Medical Center,
Email: Xian-Jin.Xie@UTSouthwestern.edu

10:45 Applications of Simultaneous Confidence Bands in Risk Assessment
Lucy Kerns, Youngstown State University, Email: xlu@ysu.edu

11:05 Out-of-sample Equity Premium Prediction: A Scenario Analysis Approach
Peiming Wang, Auckland University of Technology, Email: pmwang@aut.ac.nz

11:25 Comparing Two Cumulative Incidence Functions at a Fixed Point in Time or on a Long-Term Period
Jinbao Chen, Southern Medical University, Email: zchen@smu.edu.cn

11:45 A Two-Stage Logistic Regression Model to Identify Covariates that are Predictive of Agreement Between Insurance Sources
Miguel Marino, Oregon Health & Science University, Email: marinom@ohsu.edu

12:05 A Two-Phase Approach to Account for Unmeasured Confounding and Censoring of a Fixed Time Endpoint
Jaeun Choi, Albert Einstein College of Medicine, Email: jaeun.choi@einstein.yu.edu

12:25 Floor Discussion
Lunch (12:30 - 13:40)

Parallel Sessions 11 (13:40 - 15:30), Engineering Hall

11A. Joint Modeling of Longitudinal and Survival Data (Invited Session 5), Room 100

Organizer and Chair: Yuedong Wang, University of California - Santa Barbara
Email: yuedong@pstat.ucsb.edu

13:45 A Mixed-effects Estimating Equation Model for Nonignorable Missing Longitudinal Data with Refreshment Sampling
Annie Qu, University of Illinois Urbana-Champaign, Email: anniequ@illinois.edu

14:10 GLIMMIX with Gaussian Mixture Random Effects
Yi Li, University of Michigan, Email: yili@med.umich.edu

14:35 Dynamic Functional Clustering
Wensheng Guo, University of Pennsylvania, Email: wguo@mail.med.upenn.edu

15:00 Leveraging Algorithms for Logistic Regression with Massive Data
Ping Ma, University of Georgia, Email: pingmank92@gmail.com

15:25 Floor Discussion

11B. New Advances for Hypothesis Testing for High-Dimensional Data (Invited Session 18), Room 224

Organizer and Chair: Jin-Ting Zhang, National University of Singapore,
Email: stazjt@nus.edu.sg

13:45 Shrinkage-Based Diagonal Hotelling’s Tests for High-Dimensional Small Sample Size Data
Tiejun Tong, Hong Kong Baptist University, Email: tongt@hkbu.edu

14:10 Bias-reduced moment estimators of Population Spectral Distribution and their applications
Yingli Qin, University of Waterloo, Email: yingli.qin@uwaterloo.ca

14:35 Rank-Based Score Tests for High-Dimensional Regression Coefficients
Long Feng, Nankai University, Email: flnankai@126.com.
15:00 *Analysis of a Growth Curve Model in High Dimension*
Muni S. Srivastava, University of Toronto, Email: srivasta@utstat.toronto.edu

15:25 Floor Discussion

11C. New Types of Designs for Computer Experiments (Invited Session 31), *Room 226*

**Organizer and Chair:** Jianfeng Yang, Nankai University, Email: jfyang@nankai.edu.cn

13:45 *A Constructive Method for Generating Nearly Minimax Distance Designs*
Xu He, Chinese Academy of Sciences, Email: hexu@amss.ac.cn

14:10 *Bayesian Predictive Reliability Analysis of Gamma Degradation Processes with Random Effects*
Tsai-Hung Fan, National Central University, Email: thfanncu@gmail.com

14:35 *A New Kind of Marginally Coupled Designs*
Haiyan Liu, Fujian Normal University, Email: rain6397@163.com

15:00 *Construction of Column-Orthogonal Designs with Maximum Stratification*
Yang Xue, Tianjin University of Finance and Economics,
Email: yangxue_302@163.com

15:25 Floor Discussion

11D. Recent Advances in Causal Inference (Invited Session 64), *Room 220*

**Organizer and Chair:** Wendy Lou, University of Toronto, Email: wendy.lou@utoronto.ca

13:45 *Some Challenges in Causal inference in Large, Sparse Administrative Data*
Robert Platt, McGill University, Email: robert.platt@mcgill.ca

14:10 *No Unmeasured and Correctly Modelled Effect Modifiers - Implications for Confounding Control in Causal Inference*
Tibor Schuster, McGill University, Email: tibor.schuster@mcgill.ca

14:35 *Collaborative targeted learning using regression shrinkage*
Mireille Schnitzer, Université de Montréal, Email: mireille.schnitzer@umontreal.ca.

15:00 *A New Weighted Partial Likelihood Method for Estimating Marginal Structural Hazard Models*
Olli Saarela, University of Toronto, Email: olli.saarela@utoronto.ca.

15:25 Floor Discussion
11E. ICSA-Midwest Chapter Sponsored Invited Session: “Recent Developments in Survival Analyses and Applications in Clinical Trials” (Invited Session 68), Room 102

Organizer: Yimei Li, University of Pennsylvania, Email: yimeili@mail.med.upenn.edu
Chair: Haoda Fu, Eli Lilly and Company, Email: fu_haoda@lilly.com

13:45 A Weibull Multi-State Model for the Dependence of Progression Free Survival and Overall Survival
Yimei Li, University of Pennsylvania, Email: yimeili@mail.med.upenn.edu

14:10 Estimate Variable Importance for Recurrent Event Outcomes with an Application to Identify Hypoglycemia Risk Factors
Haoda Fu, Eli Lilly and Company, Email: fu_haoda@lilly.com

14:35 Design considerations in integrated randomized phase II/III oncology clinical trials
Chen Hu, Johns Hopkins University, Email: chu22@jhmi.edu

15:00 Estimating Predictive Value of Continuous Markers for Censored Survival Data: A Likelihood Ratio Approach
Wei-Ting Hwang, University of Pennsylvania, Email: whwang@mail.med.upenn.edu

15:25 Floor Discussion

11F. Recent Advances and Challenges in Statistical Theory and Methods for High-dimensional and Network Data (Invited Session 77), Room 107

Organizer: Ji Zhu, University of Michigan, Email: jizhu@umich.edu
Chair: Harry Zhou, Yale University, Email: huibin.zhou@yale.edu

13:45 Community Detection in Degree-Corrected Block Models
Zongming Ma, University of Pennsylvania, Email: zongming@wharton.upenn.edu

14:10 High-dimensional changepoint estimation via sparse projection
Richard Samworth, Cambridge University, Email: rjs57@hermes.cam.ac.uk

14:35 A One-Show Approach to Distributed Sparse Regression
Yuekai Sun, University of California - Berkeley, Email: yuekai@gmail.com

15:00 Detection Thresholds for the β-Model on Sparse Graphs
Rajarshi Mukherjee, Stanford University, Email: rmukherj@stanford.edu

15:25 Floor Discussion

11G. Theory and Application of Mixture Models (Invited Session 81), Room 222
Organizers: Jiahua Chen, Yunnan University and University of British Columbia, Email: jhchen@stat.ubc.ca, and Pengfei Li, University of Waterloo, Email: pengfei.li@uwaterloo.ca
Chair: Pengfei Li, University of Waterloo, Email: pengfei.li@uwaterloo.ca

13:45 Sample-Size Calculation for Tests of Homogeneity
Jiahua Chen, Yunnan University and University of British Columbia, Email: jhchen@stat.ubc.ca

14:10 Using differential variability to increase the power of the homogeneity test in a two-sample problem
Yuejiao Fu, York University, Email: yuejiao@mathstat.yorku.ca

14:35 Testing the Capital Asset Pricing Model with Economic Regime Shifts
Yonggan Zhao, Dalhousie University, Email: Yonggan.Zhao@dal.ca

15:00 Mixture-of-experts Models with Diverging Number of Parameters
Abbas Khalili, McGill University, Email: khalili@math.mcgill.ca

15:25 Floor Discussion

11H. Nonignorable Missing Data (Invited Session 95), Room 218
Organizer: Jun Shao, University of Wisconsin-Madison, Email: shao@stat.wisc.edu
Chair: Zhou Yu, East China Normal University, Email: zyu@stat.ecnu.edu.cn

13:45 Spatial Covariance Function with Stochastic Volatility
Xuening Zhu, Peking University, Email: xueningzhu@pku.edu.cn

14:10 Semiparametric Estimating Equations Inference with Nonignorable Missing Data
Niansheng Tang, Yunnan University, Email: nstang@ynu.edu.cn

14:35 Model Averaging for Regression with Fragmented Data
Fang Fang, East China Normal University, Email: ffang@sfs.ecnu.edu.cn

15:00 Recent Advances in Handling Nonignorable Nonresponse
Jun Shao, University of Wisconsin-Madison, Email: shao@stat.wisc.edu

15:25 Floor Discussion

11I. Recent Development in Multiple Testing and Post Selection Inference in High-Dimensional Regression (Invited Session 103), Room 103
Organizer: Xinping Cui, University of California, Riverside, Email: xinping.cui@ucr.edu
Chair: Bushi Wang, Boehringer Ingelheim Pharmaceuticals, Email: bushi.wang@boehringer-ingelheim.com

13:45 Statistical Limitation of GWAS to Discover SNPs That Are Causal
Jason Hsu, Eli Lilly & Company, Email: jch@stat.osu.edu

14:10 From Higher Criticism and Local Levels of GOF Tests to Confidence Bounds for the Proportion of True Nulls
Helmut Finner, German Diabetes Center, Düsseldorf
Email: Helmut.Finner@DDZ.uni-duesseldorf.de

14:35 A New Approach to Multiple Testing of Grouped Hypotheses
Zhigen Zhao, Temple University, Email: zhaozhg@temple.edu

15:00 Sequential Multiple Testing for Variable Selection in High Dimensional Linear Model
Xinping Cui, University of California, Riverside, Email: xinping.cui@ucr.edu

15:25 Floor Discussion

11J. Nonparametric Methods for Complex Data (Invited Session 123), Room 106

Organizer and Chair: Ming-Yen Cheng, National Taiwan University, Email: cheng@math.ntu.edu.tw

13:45 Locally Robust Methods and Near-parametric Asymptotics
Spiridon Penev, University of New South Wales, Email: s.penev@unsw.edu.au

14:10 Nonparametric Methods in Business Analytics
Haipeng Shen, University of Hong Kong, Email: haipeng@hku.hk

14:35 Nonconcave Penalized Spline
Heng Peng, Hong Kong Baptist University, Email: hpeng@math.hkbu.edu.hk

15:00 Deviation between Smooth Empirical and Quantile Processes for Mixing Random Variables
Shan Sun, University of Texas at Arlington, Email: shan.sun@uta.edu

15:25 Floor Discussion

11K. New Bayesian and Robust Statistical Models and Their Applications in Sciences (Invited Session 128), Room 104

Organizer and Chair: Guoliang Tian, The University of Hong Kong, Email: gltian@hku.hk
13:45 A New Robust Regression Model: Type II Multivariate t Distribution with Applications
Chi Zhang, The University of Hong Kong, Email: zhangchi@hku.hk

14:10 A False Discovery Approach for Scanning Spatial Disease Clusters with Arbitrary Shapes
Lianjie Shu, University of Macau, Email: ljshu@umac.mo

14:35 Bayesian Approaches for Analysing Earthquake Catastrophic Risk
Xuejun Jiang, South University of Science and Technology, Email: jiangxj@sustc.edu.cn

15:00 Estimation of Combined Youden Index Accounting for Contingency Correlation in Meta-Analysis
Fangyao Chen, Southern Medical University, Email: cfy811@126.com

15:25 Floor Discussion

11L. Advances in Panel Count Data Analysis (Invited Session 148), Room 202

Organizer: Ying Zhang, Indiana University, Email: yz73@iu.edu
Chair: Huadong Zhao, East China Normal University, Email: huadong5359@126.com

13:45 A semiparametric likelihood-based method for regression analysis of mixed panel-count data
Liang Zhu, St. Jude Children’s Research Hospital, Email: Liang.Zhu@STJUDE.ORG

14:10 Penalized Estimation of Panel Count Data
Minggen Lu, University of Nevada, Reno, Email: minggenl@unr.edu

14:35 The analysis of Spontaneous Abortion with Left Truncation, Partly Interval Censoring and Cure Rate
Yuan Wu, Duke University, Email: yuan.wu@duke.edu

15:00 A Nonparametric Regression Model for Analysis of Panel Count Data
Huadong Zhao, East China Normal University, Email: huadong5359@126.com

15:25 Floor Discussion

11M. Advances in Limit Theorems of Applied Probabilities (Invited Session 164), Room 207

Organizer: Li-Xin Zhang, Zhejiang University, Email: stazlx@zju.edu.cn
Chair: Zhonggen Su, Zhejiang University, Email: suzhonggen@zju.edu.cn

13:45 Large Deviation Probabilities for Sums of Heavy-Tailed Random Vectors
14:10 Limit Behaviors of the Generalized Random Graphs
Zhishui Hu, University of Science and Technology of China,
Email: huzs@ustc.edu.cn

14:35 On the Increasing Paths in Accessibility Percolation
Qunqiang Feng, University of Science and Technology of China,
Email: fengqq@ustc.edu.cn

15:00 On Products of Random Matrices
Dangzheng Liu, University of Science and Technology of China,
Email: dzliu@ustc.edu.cn

15:25 Floor Discussion

11N. Recent Development in Adaptive Study Designs for Early Phase Clinical Trials (Invited Session 166), Room 219
Organizer and Chair: Satoshi Morita, Kyoto University, Email: smorita@kuhp.kyoto-u.ac.jp

13:45 Incorporating Historical Data in Bayesian Phase I Trial Design: Evaluating the Similarity in Dose-Toxicity Relationship between patient populations
Kentaro Takeda, Astellas Pharma Inc., Japan, Email: kentaro.takeda@astellas.com

14:10 A Bayesian logistic regression model with cohort size adaptation based on posterior probabilities in phase I cancer trials
Tomoyuki Kakizume, Novartis Pharma K.K. Tokyo, Japan,
Email: tomoyuki.kakizume@novartis.com

14:35 Bayesian Optimal Interval Design for Dose Finding Based on Both Efficacy and Toxicity Outcomes
Masataka Taguri, Yokohama City University, Email: taguri@yokohama-cu.ac.jp

15:00 A Robust Bayesian Dose-Finding Design for Phase I/II Clinical
Suyu Liu, University of Texas M.D. Anderson Cancer Center,
Email: syliu@mdanderson.org

15:25 Floor Discussion

11O. Statistical Profile Monitoring and Its Application (Invited Session 184), Room 228
Organizer and Chair: Changliang Zou, Nankai University, Email: nk.chlzhou@gmail.com
Thursday, December 22, 2016

13:45 A Self-starting Chart to Monitor Abrupt Changes in General Linear Profiles
Zhiming Xia, Northwest University, Email: statxzm@nwu.edu.cn

14:10 Data-dependent Control Limits for Multi-responses Risk-adjusted CUSUM Chart
Qin Zhou, Jiangsu Normal University, Email: zhouqin8808@163.com

14:35 Ordinal Profile Monitoring with Random Explanatory Variables
Dong Ding, Xi’an Polytechnic University, Email: lacey.ding@gmail.com

15:00 Monitoring the Multivariate Coefficient of Variation Using Multivariate Exponentially Weighted Moving Average Charts
Jiujun Zhang, Liaoning University, Email: zjjly790816@163.com

15:25 Floor Discussion

11P. Recent Advances in Analysis of Omics Data (Invited Session 211), Room 105

Organizer: Qi Long, Emory University, Email: qlong@emory.edu
Chair: Xin He, University of Chicago, Email: xinhe@uchicago.edu

13:45 LLR: a latent low-rank approach to colocalizing genetic risk variants in multiple GWAS
Jin Liu, Duke-NUS Medical School, Email: jin.liu@duke-nus.edu.sg

14:10 Deconvolving CNA Profiles of Cancer Genomes
Xuefeng Wang, Moffitt Cancer Center, Email: xxw42@case.edu

14:35 An Omnibus Test for Gene-Level Effects of Multi-Omics Data with Application to Childhood Asthma
Wei Chen, University of Pittsburgh, Email: wei.chen@chp.edu

15:00 Integrative Omics Analyses across Multiple Conditions Using Tensor Decomposition and Regularization
Qi Long, Emory University, Email: qlong@emory.edumailto:marina@rice.edu

15:25 Floor Discussion

11Q. Special Invited Panel Session on ICH E17 (Invited Session 215), Room 214, 13:40-15:30

Organizer and Moderator: Gang Li, Johnson & Johnson, Email: GLi@its.jnj.com

Panelists:
Gang Chen, SVP, PharaStudies Co., Email: gang.chen@rg-pharma.com
Tony Gao, Merck, Email: xiang.guo@merck.com

Hsiao-Hui Tsou, Division of Biostatistics and Bioinformatics Institute of Population Health Sciences National Health Research Institutes, Email: tsouhh@nhri.org.tw

Yue Wang, Head of Biometrics & Information Science, China Development Unit, AstraZeneca, Email: Yue.Wang5@astrazeneca.com

Ling Su, Institute of Drug Regulatory Science, Shenyang Pharmaceutical University, Email: ling.su@lavfund.com

11R. Contributed Session 17, Recent Development in Statistical Genomics, Room 208
Chair: Elizabeth Schifano, University of Connecticut, Email: elizabeth.schifano@uconn.edu

13:45 Time Course Gene Expression Analysis Using Random Effects Models for Identifying Significant Genes
Taban Baghfalaki, Tarbiat Modares University, Email: t.baghfalaki@modares.ac.ir

14:10 Modeling Dependence in DNA Methylation Patterns Using Beta-Mixture Model and Copula
Qingyang Zhang, University of Arkansas, Email: qz008@uark.edu

14:35 High Throughput Gene Expression Analysis under the Case-Cohort Design: A Comparison of Different Methods
Huining Kang, University of New Mexico, Email: HuKang@salud.unm.edu

15:00 A Novel Method on Next-Generation Data Normalization and Differentially-Expressed Gene Detection
Bin Wang, University of South Alabama, Email: bwang@southalabama.edu

15:25 Floor Discussion

Coffee/Tea Break (15:30 - 15:50)
Parallel Sessions 12 (15:50 - 17:40), Engineering Hall

12A. New Methods for Analyzing Functional Data (Invited Session 17), Room 218

Organizers: Ming-Yen Cheng, National Taiwan University, Email: cheng@math.ntu.edu.tw, Yichao Wu, North Carolina State University, Email: wu@stat.ncsu.edu
Chair: Yichao Wu, North Carolina State University, Email: wu@stat.ncsu.edu

15:55 Frechet Regression for Random Objects
   Hans Mueller, University of California at Davis, Email: hgmueller@ucdavis.edu

16:20 From Sparse to Dense Functional Data and Beyond
   Jane-Ling Wang, University of California at Davis, Email: janelwang@ucdavis.edu

16:45 From Multiple Gaussian Sequences to Functional Data
   Fang Yao, University of Toronto, Email: fyao@utstat.toronto.edu

17:10 Factor Models for Asset Returns Based on Transformed Factors
   Wenyang Zhang, University of York, Email: wenyang.zhang@york.ac.uk

17:35 Floor Discussion

12B. New Challenges in High-Dimensional Statistics (Invited Session 36), Room 220

Organizer: Qihua Wang, Chinese Academy of Sciences, Email: qhwang@amss.ac.cn
Chair: Liping Zhu, Shanghai University of Finance and Economics, Email: zhuliping.stat@yahoo.com

15:55 Testing against the constancy of large dimensional factor loading matrix with high frequency data
   Xinbing Kong, Suzhou University, Email: kongxinbing@suda.edu.cn

16:20 Fast change-points detection in high-dimension: a combination of global and local segmentations
   Changliang Zou, Nankai University, Email: nk.chlzou@gmail.com

16:45 Promoting Similarity of Sparsity Structures in Integrative Analysis with Penalization
   Qingzhao Zhang, University of Chinese Academy of Sciences, Email: qzzhang@ucas.ac.cn

17:10 Stable Prediction in High-Dimensional Linear Models
   Bingqing Lin, Shenzhen University, Email: LINB0008@e.ntu.edu.sg

17:35 Floor Discussion
12C. CIPS Sponsored Invited Session: “Ecological Statistics” (Invited Session 39), Room 228

Organizer and Chair: Wen-Han Hwang, National Chung-Hsing University, Email: wenhan@nchu.edu.tw

15:55 When the Log-Linear Models Produce Lower Bounds?
Changxuan Mao, Shanghai University of Finance and Economics, Email: mao.changxuan@mail.shufe.edu.cn

16:20 Estimating probability of presence from presence-only data
Yan Wang, Royal Melbourne Institute of Technology, Email: yan.wang@rmit.edu.au

16:45 Sequential Monte Carlo of Dynamic Network for Animal Population Estimation
Guoqi Qian, The University of Melbourne, Email: qguoqi@unimelb.edu.au

17:10 Estimation in Closed Capture-Recapture Models with Covariates Measurement Errors and Missing Data
Wen-Han Hwang, National Chung-Hsing University, Email: wenhan@nchu.edu.tw

17:35 Floor Discussion

12D. Statistical Methods in the Analysis of Large-Scale Imaging and Network Data (Invited Session 52), Room 224

Organizer and Chair: Peter Song, University of Michigan, Email: pxsong@umich.edu

15:55 Multiscale Network Models for fMRI Data
Huiyan Sang, Texas A&M University, Email: huiyan@stat.tamu.edu

16:20 Estimating Network Edge Probabilities by Neighborhood Smoothing
Ji Zhu, University of Michigan, Email: jizhu@umich.edu

16:45 Partition based ultrahigh dimensional variable screening
Jian Kang, University of Michigan, Email: jiankang@umich.edu

17:10 A Joint Modeling Approach for Directed Acyclic Network Data
Yan Zhou, Merck & Co., Email: yan.zhou1@merck.com

17:35 Floor Discussion

12E. Genomics and Big data (Invited Session 58), Room 222

Organizer and Chair: Mei-Ling Ting Lee, University of Maryland, Email: mltlee@umd.edu
15:55 Multimode Data Analytics in Lung Cancer Genomics
Ker-Chau Li, Academia Sinica, Email: kcli@stat.sinica.edu.tw

16:20 A joint Bayesian modeling for integrating microarray and RNA-seq transcriptomic data
George Tseng, University of Pittsburgh, Email: ctseng@pitt.edu

16:45 AN INTEGRATED ANALYSIS TOOL FOR ANALYZING HYBRIDIZATION INTENSITIES AND GENOTYPES USING NEW-GENERATION POPULATION-OPTIMIZED HUMAN ARRAYS
Hsin-Chou Yang, Academia Sinica, Email: hsinchou@stat.sinica.edu.tw

17:10 Statistical Inference for Chromatin 3D Structure
Shili Lin, Ohio State University, Email: shili@stat.osu.edu

17:35 Floor Discussion

12F. Empirical Likelihood and its Applications (Invited Session 80), Room 219

Organizers: Jiahua Chen, Yunnan University and University of British Columbia, Email: jhchen@stat.ubc.ca, and
Yukun Liu, School of Statistics, East China Normal University, Email: ykliu@sfs.ecnu.edu.cn
Chair: Yuejiao Fu, York University, Email: yuejiao@mathstat.yorku.ca

15:55 Transforming the Empirical Likelihood towards Better Accuracy
Min Tsao, University of Victoria and South University of Science and Technology of China, Email: tsao@math.uvic.ca

16:20 Semiparametric monitoring test based on clustered data
Pengfei Li, University of Waterloo, Email: pengfei.li@uwaterloo.ca

16:45 Small Area Quantile Estimation
Yukun Liu, East China Normal University, Email: ykliu@sfs.ecnu.edu.cn

17:10 Empirical Likelihood Inference Based on Estimating Equations for Complex Surveys with Data Missing at Random
Song Cai, Carleton University, Email: scai@math.carleton.ca

17:35 Floor Discussion

12G. Recent Topics on Extreme Values (Invited Session 102), Room 104

Organizer and Chair: Deyuan Li, Fudan University, Email: deyuanli@fudan.edu.cn
15:55 Asymptotic Expansions of Generalized Quantiles and Expectiles for Extreme Risks
Taizhong Hu, University of Science and Technology of China,
Email: thu@ustc.edu.cn

16:20 Bootstrap Jump Test Time-varying Coefficient Regression Models and Empirical Analysis
Jinguan Lin, Southeast University, China, Email: jglin@seu.edu.cn

16:45 A Peak-Over-Threshold Search Method for Global Optimization
Zhengjun Zhang, University of Wisconsin at Madison, Email: zjz@stat.wisc.edu

17:10 Endpoint Estimation for Observations with Normal Measurement Errors
Chen Zhou, De Nederlandsche Bank and Erasmus University Rotterdam, Netherlands,
Email: c.zhou@dnb.nl

17:35 Floor Discussion

12I. Statistical Methods and Strategies in Interdisciplinary Studies (Invited Session 118), Room 226

Organizer: Ke Deng, Tsinghua University, Email: kdeng@tsinghua.edu.cn
Chair: Ping Ma, University of Georgia, Email: pingma@uga.edu

15:55 Synergetic Design for Micro Units of Metamaterial
zzztrzKe Deng, Tsinghua University, Email: kdeng@tsinghua.edu.cn

16:20 Lasso Adjustments of Treatment Effect Estimates in Randomized Experiments
Hanzhong Liu, Tsinghua University, Email: lhz2016@mail.tsinghua.edu.cn

16:45 Network Analysis of High-Dimensional Time Series
Dong Li, Tsinghua University, Email: dongli@math.tsinghua.edu.cn

17:10 Automated Feature Identification Using Online Knowledge and EMR Data
Sheng Yu, Tsinghua University, Email: syu@tsinghua.edu.cn

17:35 Floor Discussion

12I. The Recent Development of Statistical Methods for Decision Making in Clinical Development (Invited Session 122), Room 106

Organizers: Luyan Dai, Boehringer Ingelheim (China) Investment Co.,
Email: luyan.dai@boehringer-ingelheim.com, and
Ye Shen, University of Georgia, Email: yeshen@uga.edu
Chair: Luyan Dai, Boehringer Ingelheim (China) Investment Co.,
15:55 Leveraging Bayesian Network Meta-analysis to Improve Drug Development
Baoyu Li, Eli Lilly and Company, Email: li_bao_yue@lilly.com

16:20 A Bayesian Safety Monitoring Scheme for Phase II Clinical Trials
Song Zhang, University of Texas Southwestern Medical Center,
Email: Song.zhang@UTsouthwestern.edu

16:45 Statistical Approach to Improve the Probability of Success in Phase III Clinical Trials
Ye Shen, University of Georgia, Email: yeshen@uga.edu

17:10 Power Simulation for Pediatric Extrapolation
Stacey Zhang, Boehringer-Ingelheim (China) Investment Co.,
Email: Stacey.zhang@boehringer-ingelheim.com

17:35 Floor Discussion

12J. ICSA-Shanghai Chapter Sponsored Invited Session: “Recent Developments in High Dimensional Models: Variable Selection, Dimension Reduction, and the Missing Data Analysis” (Invited Session 147), Room 214

Organizer: Jiwei Zhao, State University of New York at Buffalo, Email: zhaoj@buffalo.edu
Chair: Jun Shao, University of Wisconsin-Madison, Email: shao@stat.wisc.edu

15:55 Variable Selection in the Presence of Non-ignorable Missing Data
Jiwei Zhao, State University of New York at Buffalo, Email: zhaoj@buffalo.edu

16:20 A General Theory of Hypothesis Tests and Confidence Regions for Sparse High Dimensional Models
Yang Ning, Princeton University, Email: yning@princeton.edu

16:45 Structured Subcomposition Selection in Regression and Its Application to Microbiome Data Analysis
Tao Wang, Yale University, Email: neowangtao@hotmail.com

17:10 On Marginal Sliced Inverse Regression for Ultra-High Dimensional Model Free Variable Selection
Zhou Yu, East China Normal University, Email: zyu@stat.ecnu.edu.cn

17:35 Floor Discussion

12K. Recent Advances in System Informatics Using Degradation Data (Invited Session 155), Room 202
Organizer and Chair: Zhisheng Ye, National University of Singapore, Email: yez@nus.edu.sg

15:55 A General Wiener Process Model for Heterogeneous Degradations based on Kriging
Nan Chen, National University of Singapore, Email: isecn@nus.edu.sg

16:20 A Prognostic Model for Stochastic Degrading Systems with State Recovery
Xiaosheng Si, Xi’an Institute of High-Tech, Email: sixiaosheng@gmail.com

16:45 Remaining Useful Life Prediction Method Considering Both Smooth Degradation and Abrupt Damages
Zhaoqiang Wang, Xi’an Institute of High-Tech. zhaoqiangwang@126.com

17:10 Exponential Dispersion Process For Degradation Analysis
Ancha Xu, Wenzhou University, Email: xuancha@wzu.edu.cn

17:35 Floor Discussion

12L. Recent Developments in Network Data Analysis (Invited Session 158), Room 107
Organizer and Chair: Bingyi Jing, Hong Kong University of Science & Technology, Email: majing@ust.hk

15:55 Community Detection of Sparse Networks
Xianshi Yu, Hong Kong University of Science & Technology, Email: xyuai@connect.ust.hk

16:20 On Feature Scaling
Ting Li, Hong Kong University of Science & Technology, Email: tlial@connect.ust.hk

16:45 Community Detection for Sparse Networks
Ningchen Ying, Hong Kong University of Science & Technology, Email: nying@connect.ust.hk

17:10 Trimmed Estimators for Large Dimensional Sparse Covariance Matrices
Guangren Yang, Jinan University, Email: tygr@jnu.edu.cn

17:35 Floor Discussion

12M. Change-Point Detection and Related Topics (Invited Session 161), Room 105
Organizer and Chair: Dong Han, Shanghai Jiao Tong University, Email: donghan@sjtu.edu.cn
15:55 A New Change Point Detection Method for Identifying DNA Copy Number Variations Using NGS Read-Depth Data
   Jie Chen, Augusta University, Email: jiechen@gru.edu

16:20 Projection-based High-Dimensional Process Monitoring Using Real-time Contrast
   Wei Jiang, Shanghai Jiao Tong University, Email: jiangwei@sjtu.edu.cn

16:45 Scalable Sum-Shrinkage Schemes for Distributed Monitoring Large-Scale Data Streams
   Yajun Mei, Georgia Institute of Technology, Email: ymei@isye.gatech.edu

17:10 Post-change Inference after Sequential Change-Point Detection in Panel Data Analysis
   Yanhong Wu, California State University Stanislaus, Email: ywu1@csustan.edu

17:35 Floor Discussion

12N. Recent Development in Stochastic Processes (Invited Session 181), Room 207

Organizer and Chair: Zhen-Qing Chen, University of Washington, Email: zqchen@uw.edu

15:55 Fluctuating-Rate Model and Associated Rate Formula for Phenotype Transition in Single-Cell Biology
   Hao Ge, Peking University, Email: haoge@pku.edu.cn

16:20 Stochastic Analysis On Manifolds With Time-Dependent Riemannian Metric
   Elton Hsu, Northwestern University, Email: ehsu@math.northwestern.edu

16:45 Stationarity and Quasi-Stationarity for Birth-Death Processes
   Yonghua Mao, Beijing Normal University, Email: maoyh@bnu.edu.cn

17:10 Potential theory of subordinate killed Brownian motions
   Renming Song, University of Illinois at Urbana, Email: rsong@math.uiuc.edu

17:35 Floor Discussion

12O. ICSA-Midwest Chapter Sponsored Invited Session: “Real World Evidence and Benefit Risk Assessment” (Invited Session 191), Room 102

Organizer and Chair: Ying Zhang, Indiana University, Email: yz73@iu.edu

15:55 Selection Criteria for Stratification factors in Phase III Oncology Clinical Trials
   Biyue Dai, University of Iowa, Email: biyue-dai@uiowa.edu

16:30 Addressing Unmeasured Confounding in Comparative Effectiveness Research
Wei Shen, Ely Lilly and Company, Email: shen_wei_x1@lilly.com

17:05 **A joint model of an internal time-dependent covariate and bivariate time-to-event data with application to MD STARTnet Data**
Ying Zhang, Indiana University, Email: yz73@iu.edu

17:40 Floor Discussion

12P. IMS Sponsored Invited Session: “Statistical Problems for Big-Data” (Invited Session 199), Room 100

**Organizer:** Ming Yuan, University of Wisconsin-Madison, Email: ming.mingyuan@gmail.com, myuan@stat.wisc.edu
**Chair:** Garvesh Raskutti, University of Wisconsin-Madison, Email: garvesh@gmail.com

15:55 **Some Statistical Problems Related to Big-Data**
Boaz Nadler, Weizmann Institute of Science, Email: boaz.nadler@gmail.com

16:20 **Computationally Efficient Nonparametric Testing**
Guang Cheng, Purdue University, Email: chengg@purdue.edu

16:45 **Efficient Feature Selection With Big Data**
Johannes Lederer, University of Washington, Email: johanneslederer@mail.de

17:10 **Statistical Estimation and the Affine Grassmannian**
Ken Sze-Wai Wong, University of Chicago, Email: kenwong@uchicago.edu

17:35 Floor Discussion

12Q. Recent Advances on Random Processes and Related Problems (Invited Session 214), Room 103

**Organizer and Chair:** Zhonggen Su, Zhejiang University, Email: suzhonggen@zju.edu.cn

15:55 **Finite Horizon Continuous-Time Markov Decision Processes with Mean and Variance Criteria**
Yong Hui Huang, Sun Yat-sen University. Email: hyongh5@mail.sysu.edu.cn

16:20 **Cycle Symmetry, Limit Theorems, and Fluctuation Theorems for Diffusion Processes on the Circle**
Daquan Jiang, Peking University, Email: jiangdq@math.pku.edu.cn

16:45 **On Hermitian matrices diffusion and Dyson Brownian motion with general potential**
Xiangdong Li, Chinese Academy of Sciences, Email: xdl@amt.ac.cn
17:10 Biased Random Walks on Groups and Graphs
Kai-Nan Xiang, Nankai University, Email: xiangkn@cfc.nankai.edu.cn

17:35 Floor Discussion

12R. Contributed Session 19, Bayesian Modeling and Methods with Applications,
Room 208

Chair: Mário de Castro Andrade Filho, Univesidade de São Paulo, Email: mcastro@icmc.usp.br

15:55 Joint Modeling of Longitudinal Measurements and Competing Risks Data: A Bayesian Perspective
Fatemeh Sadat Hosseini-Baharanchi, Tarbiat Modares University,
Email: hosseini.mstat@gmail.com

16:15 Robust and Efficient Bayesian FDR Control in Integrative Analysis of Genomic Data
Xiaoquan Wen, University of Michigan, Email: xwen@umich.edu

16:35 Bayesian Nonparametric Beta Regression for Longitudinal Data
Shouhao Zhou, The University of Texas MD Anderson Cancer Center,
Email: szhou@mdanderson.org

16:55 Cash Flow Forecast and Asset Valuation with Bayesian Modeling
Qi Wang, EDHECinfra, Email: qwang0822@gmail.com

17:15 The Adaptive Hypergeometric Inverted-Beta Priors for Sparse Signals
Hanjun Yu, Peking University, Email: yuhanjun@pku.edu.cn

17:35 Floor Discussion
**Banquet**

*Tuesday, December 20, 18:30 – 21:00, Hua Ting Hotel & Towers*

Address: 华亭宾馆, 1200 North Caoxi Road, Xuhui District, Shanghai

Phone: 8621-64391000

Banquet speaker: Professor Xiao-Li Meng, Harvard University

Cost: Free for registered participants

**Sightseeing**

**Huangpu River Cruise, Wednesday, December 21, 18:00 – 20:30**

*Departure location and time: SJTU, Wednesday, December 21, 18:00*

The bus will leave at 18:00 sharp at the entrance of SJTU Clinic (please refer to campus map on page 151). The cruise starts at 19:00, and return time is around 20:30. The price of this trip is RMB 200 yuan, including round trip bus, cruise, and dinner buffet onboard.
Conference Venue
The conference venue is Xuhui campus of Shanghai Jiao Tong University (or SJTU), one of the top universities in China, boasting a long history of 120 years. Xuhui campus of SJTU is located in Xujiahui, a shopping paradise and gourmet destination. There are many large department stores within walking distance, such as Grand Gateway, Orient Shopping Centre, Pacific Department Store, Metro City, Hui Jin Department Store, etc. You can also encounter ancient style architecture nearby, and many cafes and restaurants around.

Shanghai, as the largest city in China, has many tourist attractions, such as the Bund, Oriental Pearl Tower, Yu Garden, Chenghuang Temple, Longhua Temple, etc.

Address of SJTU Xuhui campus
1954, Hua Shan Road, Xuhui District, Shanghai, China (上海市徐汇区华山路 1954 号)

ICSA 2016 Registration Desk
On December 18, the registration desk is set in the lobby of Hua Ting Hotel & Towers. It is open from 9:00 – 20:00. From December 19 to December 22, registration is at Rooms 113 & 114, Engineering Hall—8:00 – 18:00 on December 19, 20, 21 and 8:30 – 17:00 on Dec. 22.

Shuttle Bus from Hua Ting Hotel & Towers to Xuhui campus
There will be shuttle bus commuting from Hua-Ting Hotel to Xuhui campus every morning during the conference.

- On Dec. 18, a bus leaves at 8:15 am at the entrance of Hua Ting Hotel & Towers;
- From Dec. 19-21, shuttle buses are available from 7:30 am to 8:00 am at the entrance of Hua Ting Hotel & Towers;
- On Dec. 22, shuttle buses are available from 8:00 am to 8:40 am at the entrance of Hua Ting Hotel & Towers;

Standard Audio/Visual Set-up in Meeting Rooms
All meeting rooms for ICSA 2016 are equipped with one computer, one blackboard, and one overhead projector. Free Wi-Fi is available. Microsoft PowerPoint 2007, Adobe Acrobat and a timer are installed in each computer. To have an idea of how much time left for your presentation, please activate the timer when you present.
Please bring your own cable/adapter if you use a Mac laptop.

**Public Transport from Airports and Railway Stations to the Conference Venue**

**[From Hongqiao Airport (SHA) (Terminal 1) to SJTU Xuhui Campus]**
The distance is 9.8 km.
**By metro** (RMB 4 yuan)
- Take Line 10 (to the direction of Xinjiangwancheng)
- Get off at Jiao Tong University Metro Station (Exit 4)
- Walk around 381 meters to Xuhui campus
**By taxi** (about RMB 38 yuan*)

**[From Hongqiao Airport (SHA) (Terminal 2) to SJTU Xuhui Campus]**
The distance is 11.3 km.
**By metro** (RMB 4 yuan)
- Take Line 10 (to the direction of Xinjiangwancheng)
- Get off at Jiao Tong University Metro Station (Exit 4)
- Walk around 381 meters to Xuhui campus
**By taxi** (about RMB 55 yuan*)

**[From Pudong International Airport (PVG) to SJTU Xuhui Campus]**
The distance is 45.9 km.
**By metro** (RMB 7 yuan)
- Take Line 2 (extension line from Pudong International Airport to Guanglan Road Metro Station)
- Get off at Guanglan Road Metro Station and take an eight-carriage train of Line 2 (to the direction of East Xujing) and transfer to Line 9 at Century Avenue
- Get off at Xujiahui Metro Station (Exit 18)
- Walk around 470 meters to Xuhui campus
**By airport shuttle bus** (RMB 25 yuan including RMB 20 yuan for shuttle bus)
- Take airport shuttle bus Line 7
  Stops:  PVG Terminal 1 (7:30-23:00) – PVG Terminal 2 (7:35-23:05) – Chuansha Road at East Huaxia Road – Shangnan Road at West Huaxia Road – Shanghai South Railway Station
- Get off at Shanghai South Railway Station
- Walk around 660 meters to the metro station and take Line 1 (to the direction of Fujin Road)
- Get off at Xujiahui Metro Station (Exit 18)
- Walk around 470 meters to Xuhui campus
By taxi (about RMB 170 yuan*)

[From Shanghai Railway Station to SJTU Xuhui Campus]
The distance is 10.2 km.
By metro (RMB 4 yuan)
✓ Take Line 1 (to the direction of Xinzhuang)
✓ Get off at Xujiahui Metro Station (Exit 18)
✓ Walk around 470 meters to Xuhui campus
By taxi (about RMB 27 yuan*)

[From Shanghai South Railway Station to SJTU Xuhui Campus]
The distance is 5.4 km.
By metro (RMB 3 yuan)
✓ Take Line 1 (to the direction of Fujin Road)
✓ Get off at Xujiahui Metro Station (Exit 18)
✓ Walk around 470 meters to Xuhui campus
By taxi (about 25 yuan*)

[From Hongqiao Railway Station to SJTU Xuhui Campus]
The distance is 14.9 km.
By metro (RMB 4 yuan)
✓ Take Line 10 (to the direction of Xinjiangwancheng)
✓ Get off at Jiao Tong University Metro Station (Exit 4)
✓ Walk around 210 meters to Xuhui campus
By taxi (about RMB 56 yuan*)

* Taxi fare is subject to change depending on road traffic.

If you take a taxi, the following addresses in Chinese are for your reference:
1. 华山路 1954 号上海交通大学徐汇校区 (1954 Huashan Road, SJTU Xuhui campus)
2. 漕溪北路 1200 号华亭宾馆 (1200 North Caoxi Road, Hua Ting Hotel & Towers)
3. 漕溪北路 439 号建国宾馆 (439 North Caoxi Road, Jianguo Hotel Shanghai)
4. 衡山路 534 号衡山宾馆 (534 Hengshan Road, Shanghai Hengshan Picardie Hotel)
5. 天平路 185 号天平宾馆 (185 Tianping Road, Tianping Hotel Shanghai)
6. 番禺路 400 号上海银星皇冠假日酒店 (400 Panyu Road, Crowne Plaza Shanghai)
7. 广元西路 319 号锦江之星酒店 (上海交大店) (319 West Guangyuan Road, Jingjiang Inn)
8. 华山路 1859 号交大博学楼 (1859 Huashan Road, Boxue Lou Hotel)
9. 番禺路 955 号汉庭酒店 (上海交大店) (955 Panyu Road, Hanting Express)

Dining
We offer free on-campus lunch at University Canteen for registered participants.

Off-campus Dining
Outside the campus is the center of Xuhui District, which is a certified food paradise.
Here is a list of a few Chinese restaurants:
Lao Chang Sheng (老昌盛苏州汤包馆)
   -- Address: 7 Leshan Road at West Guangyuan Road
   -- Speciality: Suzhou Tangbao (steamed dumpling stuffed with minced meat and gravy)
   -- Price: RMB 15-30 yuan/ person
Grandma’s (外婆家)
   -- Address: 3F, Xu Hui Bai Lian Department Store, 2038 Huashan Road
   -- Speciality: Hangzhou cuisine
   -- Price: RMB 50-100 yuan/ person
Shan Jian Tang (山间堂民间瓦罐汤)
   -- Address: 197 West Guangyuan Road (near North Yishan Road)
   -- Speciality: Earthenware pot soup (cuisine of Jiangxi Province)
   -- Price: RMB 100-150 yuan/ person
Din Tai Fung (鼎泰丰)
   -- Address: 5F, Grand Gateway, 1 Hongqiao Road
   -- Speciality: Traditional Chinese snacks
   -- Price: RMB 150-200 yuan/ person
Jade Garden (苏浙汇)
   -- Address: 5F, Grand Gateway, 1 Hongqiao Road
   -- Speciality: Shanghai cuisine
   -- Price: RMB 150-250 yuan/ person

You can also dig out varied popular restaurants in Metro City and other shopping malls nearby.

Emergency Calls
Police 110
First-aid Ambulance 120
Fire 119
Useful Links

- Shanghai Jiao Tong University: http://www.sjtu.edu.cn/
- School of Mathematical Sciences, SJTU: http://math.sjtu.edu.cn/
- The 10th ICSA International Conference: http://www.math.sjtu.edu.cn/conference/2016icsa/
- The Official Shanghai China Travel Website: http://www.meet-in-shanghai.net/
CONTEMPORARY CLINICAL TRIALS COMMUNICATIONS

AN OPEN ACCESS SISTER JOURNAL OF CONTEMPORARY CLINICAL TRIALS
ACCEPTING RESEARCH ON BOTH RANDOMIZED AND NON-RANDOMIZED TRIALS

EDITORS:
Dr. Zhezhen Jin
Columbia University, New York, NY USA
Dr. Zheng Su
Deerfield Institute, New York, NY USA

www.elsevier.com/locate/issn/24518654
Contemporary Clinical Trials Communications is an international peer reviewed open access journal that publishes articles pertaining to all aspects of clinical trials, including, but not limited to, design, conduct, analysis, regulation and ethics. Manuscripts submitted should appeal to a readership drawn from a wide range of disciplines including medicine, life science, pharmaceutical science, biostatistics, epidemiology, computer science, management science, behavioral science, and bioethics.

Contemporary Clinical Trials Communications is unique in that it is outside the confines of disease specifications, and it strives to increase the transparency of medical research and reduce publication bias by publishing scientifically valid original research findings irrespective of their perceived importance, significance or impact. Both randomized and non-randomized trials are within the scope of the Journal. Some common topics include trial design rationale and methods, operational methodologies and challenges, and positive and negative trial results. In addition to original research, the Journal also welcomes other types of communications including, but are not limited to, methodology reviews, perspectives and discussions.

Through timely dissemination of advances in clinical trials, the goal of Contemporary Clinical Trials Communications is to serve as a platform to enhance the communication and collaboration within the global clinical trials community that ultimately advances this field of research for the benefit of patients.
华东师范大学与 Taylor & Francis 签约合作出版英文学术期刊
Statistical Theory and Related Fields

华东师范大学汪荣明副校长与 Taylor & Francis 亚太区期刊编辑总监 Lyndsey Dixon 在合作出版 Statistical Theory and Related Fields 的签约仪式上（2016 年 11 月 15 日，华东师范大学）

A Brief Introduction to Statistical Theory and Related Fields

This is a new international academic journal sponsored jointly by East China Normal University (ECNU) and the Chinese Association for Applied Statistics (CAAS), and published by ECNU in cooperation with Taylor & Francis.

Statistical Theory and Related Fields aims to publish significant and original articles in modern statistical theory and related fields in natural, economical, medical, and social science. The emphasis is to meet the needs of statistical application and methodology development in a rapidly changing world, and to promote the use of statistics in quantitative studies and interdisciplinary investigations.

The advent of the era of Big Data has not only brought about great challenges to statisticians around the world, but also provided vast opportunities for them to develop new statistical theories and methods, as well as to find new applications in many fields. On the other hand, however, the number, subject scopes and geographic distribution of existing international academic journals in applied statistics can hardly meet the communication needs of statisticians especially of those from
Mainland China, where there has been not any English academic journal in statistics before. The appearance Statistical Theory and Related Fields will help to fill this big gap.

The editorial board of Statistical theory and Related Fields consists of about 30 members: three editors, three advisers, and over twenty associate editors; among them roughly one third are from Chinese universities and institutes, one third are ethnic Chinese scholars abroad, and the rest one third are foreign scholars, all being well-known professors of statistics around the world and willing to make contributions to the new journal. The three editors are

Jun Shao: Professor of Statistics at the University of Wisconsin – Madison;

Dongchu Sun: Professor and Chair of Statistics at the University of Missouri-Columbia;

Danyu Lin: Dennis Gillings Distinguished Professor of Biostatistics at the University of North Carolina at Chapel Hill.

Meanwhile, Professor Shao is Editor-in-Chief of the journal.

Contact Information

Editorial Office of Statistical Theory and Related Fields
Department of Serial Publication, East China Normal University
Room 623 Ganxunlou Building
3663 Northern Zhongshan Road
Shanghai 200062, China
Tel: 021-62231213
Email: xb_eng@xb.ecnu.edu.cn
Contacts: Wei Zhao; Shanping Wang; Yincai Tang (yctang@stat.ecnu.edu.cn); Yukun Liu (ykliu@sfs.ecnu.edu.cn)
**Names Index**

<table>
<thead>
<tr>
<th>Name</th>
<th>Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acitas, Sukru</td>
<td>(8R)</td>
</tr>
<tr>
<td>Adegboye, Oyelola A.</td>
<td>(9G)</td>
</tr>
<tr>
<td>Adeniji, Abidemi K.</td>
<td>(3T, 7C)</td>
</tr>
<tr>
<td>Agrawal, Apurva</td>
<td>(6T)</td>
</tr>
<tr>
<td>Ahmad, Tanvir</td>
<td>(9T)</td>
</tr>
<tr>
<td>Ahmed, S. Ejaz</td>
<td>(2N)</td>
</tr>
<tr>
<td>Alvo, Mayer</td>
<td>(3P)</td>
</tr>
<tr>
<td>Ana, Ortega-Villa</td>
<td>(20)</td>
</tr>
<tr>
<td>Anderes, Ethan</td>
<td>(50)</td>
</tr>
<tr>
<td>Ando, Yuki</td>
<td>(6I)</td>
</tr>
<tr>
<td>Bai, Fangfang</td>
<td>(7H)</td>
</tr>
<tr>
<td>Bai, Jiawei</td>
<td>(20)</td>
</tr>
<tr>
<td>Bai, Shuyang</td>
<td>(30)</td>
</tr>
<tr>
<td>Bai, Yang</td>
<td>(7J)</td>
</tr>
<tr>
<td>Bakoyannis, Giorgos</td>
<td>(6K)</td>
</tr>
<tr>
<td>Banerjee, Moulinath</td>
<td>(2R, 30)</td>
</tr>
<tr>
<td>Banerjee, Sudipto</td>
<td>(7I)</td>
</tr>
<tr>
<td>Bao, Jianhai</td>
<td>(70)</td>
</tr>
<tr>
<td>Bao, Zhigang</td>
<td>(3H)</td>
</tr>
<tr>
<td>Bar, Haim</td>
<td>(4R, 5E, 9T)</td>
</tr>
<tr>
<td>Barnhart, Huiyan</td>
<td>(9F)</td>
</tr>
<tr>
<td>Behr, Merle</td>
<td>(2R)</td>
</tr>
<tr>
<td>Bentellis, Alima</td>
<td>(1P)</td>
</tr>
<tr>
<td>Bere, Alphonce</td>
<td>(5T)</td>
</tr>
<tr>
<td>Berger, James O.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Plenary Session 1)</td>
</tr>
<tr>
<td>Berlin, Jesse</td>
<td>(5J)</td>
</tr>
<tr>
<td>Berrett, Candace</td>
<td>(7I)</td>
</tr>
<tr>
<td>Bertail, Patrice</td>
<td>(30)</td>
</tr>
<tr>
<td>Berthet, Quentin</td>
<td>(9Q)</td>
</tr>
<tr>
<td>Bhadra, Anindya</td>
<td>(1G)</td>
</tr>
<tr>
<td>Bhat, Gajanan</td>
<td>(6O)</td>
</tr>
<tr>
<td>Billard, Lynne</td>
<td>(6Q)</td>
</tr>
<tr>
<td>Boone, Edward</td>
<td>(9T)</td>
</tr>
<tr>
<td>Bretz, Frank</td>
<td>(10)</td>
</tr>
<tr>
<td>Broet, Philippe</td>
<td>(1P)</td>
</tr>
<tr>
<td>Brumback, Babette</td>
<td>(6D)</td>
</tr>
<tr>
<td>Brunel, Nicolas</td>
<td>(10J)</td>
</tr>
<tr>
<td>Cabral, Celso Rômulo</td>
<td>(6J)</td>
</tr>
<tr>
<td>Barbosa</td>
<td></td>
</tr>
<tr>
<td>Cai, Jianwen</td>
<td>(5C, 6E, 9F)</td>
</tr>
<tr>
<td>Cai, Jingheng</td>
<td>(2E)</td>
</tr>
<tr>
<td>Cai, Song</td>
<td>(12F)</td>
</tr>
<tr>
<td>Cai, Tony</td>
<td>(7R, Plenary Session 1)</td>
</tr>
<tr>
<td>Cai, Yueya</td>
<td>(7E)</td>
</tr>
<tr>
<td>Calder, Catherine</td>
<td>(7I)</td>
</tr>
<tr>
<td>Cao, Chunzheng</td>
<td>(7T)</td>
</tr>
<tr>
<td>Cao, Hongyuan</td>
<td>(2F)</td>
</tr>
<tr>
<td>Cao, Jing</td>
<td>(2Q)</td>
</tr>
<tr>
<td>Cao, Ruiyuan</td>
<td>(1C)</td>
</tr>
<tr>
<td>Cao, Zhanglong</td>
<td>(2T)</td>
</tr>
<tr>
<td>Capizzi, Giovanna</td>
<td>(8B)</td>
</tr>
<tr>
<td>Carroll, Kevin</td>
<td>(2I)</td>
</tr>
<tr>
<td>Chakraborty, Bibhas</td>
<td>(10B)</td>
</tr>
<tr>
<td>Chan, Ivan</td>
<td>(2J, 4S)</td>
</tr>
<tr>
<td>Chandra, Girish</td>
<td>(3S)</td>
</tr>
<tr>
<td>Chang, Hsin-wen</td>
<td>(1H)</td>
</tr>
<tr>
<td>Chang, Hua-hua</td>
<td>(9K)</td>
</tr>
<tr>
<td>Chang, Jinyuan</td>
<td>(4A)</td>
</tr>
<tr>
<td>Chang, Shu-Hui</td>
<td>(8F)</td>
</tr>
<tr>
<td>Chang, Yang</td>
<td>(4C)</td>
</tr>
<tr>
<td>Chang, Yuan-Chin</td>
<td>(8E)</td>
</tr>
<tr>
<td>Chatterjee, Arindam</td>
<td>(2R, 30)</td>
</tr>
<tr>
<td>Chee, Chew</td>
<td>(5T)</td>
</tr>
<tr>
<td>Chen, Chang-I</td>
<td>(4J)</td>
</tr>
<tr>
<td>Chen, Chen-Hsin</td>
<td>(5G)</td>
</tr>
<tr>
<td>Chen, Chun-houh</td>
<td>(4D)</td>
</tr>
<tr>
<td>Chen, Chyong-Mei</td>
<td>(1H)</td>
</tr>
<tr>
<td>Chen, Ding-Geng</td>
<td>(7N)</td>
</tr>
<tr>
<td>Chen, Dion</td>
<td>(1T)</td>
</tr>
<tr>
<td>Chen, Edward</td>
<td>(2N)</td>
</tr>
<tr>
<td>Chen, Fang</td>
<td>(9P)</td>
</tr>
<tr>
<td>Chen, Fangyao</td>
<td>(11K)</td>
</tr>
<tr>
<td>Chen, Fei</td>
<td>(3N)</td>
</tr>
<tr>
<td>Chen, Feng</td>
<td>(2J, 4S)</td>
</tr>
<tr>
<td>Chen, Feng</td>
<td>(3L)</td>
</tr>
<tr>
<td>Chen, Feng</td>
<td>(7H)</td>
</tr>
<tr>
<td>Chen, Gang</td>
<td>(6I)</td>
</tr>
<tr>
<td>Chen, Gang</td>
<td>(10M)</td>
</tr>
<tr>
<td>Chen, Hao</td>
<td>(10G)</td>
</tr>
<tr>
<td>Chen, Hao</td>
<td>(1C)</td>
</tr>
<tr>
<td>Chen, Jia</td>
<td>(2A)</td>
</tr>
<tr>
<td>Chen, Jiahua</td>
<td>(2M, 11G, 12F)</td>
</tr>
<tr>
<td>Chen, Jie</td>
<td>(3Q, 4S)</td>
</tr>
<tr>
<td>Chen, Jie</td>
<td>(12M)</td>
</tr>
<tr>
<td>Chen, Jinbao</td>
<td>(10S, 11R)</td>
</tr>
<tr>
<td>Chen, Jinbo</td>
<td>(5L)</td>
</tr>
<tr>
<td>Chen, Jin-Hua</td>
<td>(4J)</td>
</tr>
<tr>
<td>Chen, Jun</td>
<td>(1D, 8I)</td>
</tr>
<tr>
<td>Chen, Kun</td>
<td>(4F)</td>
</tr>
<tr>
<td>Chen, Lin</td>
<td>(10F)</td>
</tr>
<tr>
<td>Chen, Louis H. Y.</td>
<td>(80)</td>
</tr>
<tr>
<td>Chen, Mengjie</td>
<td>(5C, 8L)</td>
</tr>
<tr>
<td>Chen, Ming-Hui</td>
<td>(3Q, 9C)</td>
</tr>
<tr>
<td>Chen, Nan</td>
<td>(12K)</td>
</tr>
<tr>
<td>Chen, Qixuan</td>
<td>(5D)</td>
</tr>
<tr>
<td>Chen, Ray-Bing</td>
<td>(3Q, 8E, 9D)</td>
</tr>
<tr>
<td>Chen, Rong</td>
<td>(10K)</td>
</tr>
<tr>
<td>Chen, Shuo</td>
<td>(4C)</td>
</tr>
<tr>
<td>Chen, Songxi</td>
<td>(7R)</td>
</tr>
<tr>
<td>Chen, Wei</td>
<td>(9P)</td>
</tr>
<tr>
<td>Chen, Wei</td>
<td>(11P)</td>
</tr>
<tr>
<td>Chen, Xi</td>
<td>(9Q)</td>
</tr>
<tr>
<td>Chen, Xia</td>
<td>(1J)</td>
</tr>
<tr>
<td>Chen, Xiaohong</td>
<td>(10R)</td>
</tr>
<tr>
<td>Chen, Xiaohui</td>
<td>(10R)</td>
</tr>
<tr>
<td>Chen, Xin</td>
<td>(4M)</td>
</tr>
<tr>
<td>Chen, Xuedong</td>
<td>(1R, 8Q)</td>
</tr>
<tr>
<td>Chen, Yi-Hau</td>
<td>(1H, 4J, 6R, 7B)</td>
</tr>
<tr>
<td>Chen, Ying</td>
<td>(4D, 9D)</td>
</tr>
<tr>
<td>Chen, Yiyi</td>
<td>(5H)</td>
</tr>
<tr>
<td>Chen, Yong</td>
<td>(8G)</td>
</tr>
<tr>
<td>Chen, Yu</td>
<td>(9A)</td>
</tr>
<tr>
<td>Chen, Yuguo</td>
<td>(3E)</td>
</tr>
<tr>
<td>Chen, Yun</td>
<td>(5K)</td>
</tr>
<tr>
<td>Chen, Zhengjia</td>
<td>(2S)</td>
</tr>
<tr>
<td>Chen, Zhen-Qing</td>
<td>(12N)</td>
</tr>
<tr>
<td>Chen, Zunqiu</td>
<td>(2S)</td>
</tr>
<tr>
<td>Cheng, Bing</td>
<td>(9R)</td>
</tr>
<tr>
<td>Cheng, Chung-Chi</td>
<td>(6F)</td>
</tr>
<tr>
<td>Cheng, Guang</td>
<td>(12P)</td>
</tr>
<tr>
<td>Cheng, Jerry</td>
<td>(7N)</td>
</tr>
<tr>
<td>Cheng, Ken</td>
<td>(5D)</td>
</tr>
<tr>
<td>Cheng, Kuang-Fu</td>
<td>(4J, 6F)</td>
</tr>
<tr>
<td>Cheng, Ming-yen</td>
<td>(7R, 9B, 11J, 12A)</td>
</tr>
</tbody>
</table>
Cheng, Yi (3L, 9P)
Cheng, Yu-Hsiang (8R)
Chi, Andy (6O)
Chi, Eric (9I)
Chiou, Jeng-Min (9B)
Cho, Haeran (2R)
Choi, David (10I)
Choi, Dongseok (3Q)
Choi, Jaeun (10S, 11R)
Choi, Sangbum (6C)
Chu, Haitao (8G)
Chung, Hwan (5P)
Chung Chang, Ming (5R)
Claggett, Brian (1N)
Cook, Richard (10N)
Crawford, Forrest (5E)
Cui, Xinping (7G, 10J, 11I)
Cui, Yifan (1T)
Dai, Biyue (12O)
Dai, Hongsheng (3M, 9N)
Dai, Linsong (6T)
Dai, Luyan (6I, 12I)
Dai, Wenlin (6S)
Dastenaei, Masoud Asgharian (10N)
Datta, Somnath (6D)
Datta, Susmita (6D)
Day, Joshua (9I)
Dean, Charmaine (2N)
Dejardin, David (4K)
Delaigle, Aurore (7R)
Deng, Ke (12H)
Deng, Minghua (4R)
Deng, Wenli (6E, 9F)
Dey, Dipankar K. (1S7I, 9C)
Di, Yanming (5L)
Diao, Guoqing (3I)
Diao, Liqun (5B)
Dicker, Lee (10Q)
Ding, Dong (11O)
Ding, Peng (7L)
Ding, Xiaobo (9E)
Ding, Ying (4H)
Dong, Yuexiao (7E)
Dou, Xiaoting (1L)
Du, Lilun (10C)
Du, Yu (2S)
Duan, Fenghai (1F)
Duchi, John C. (9Q)
Eden, Uri T (8A)
Edirisinghe, Chanaka (7S)
Edlefsen, Paul (5M)
Fan, Jianqing (6R, 7R)
Fan, Qingliang (7H)
Fan, Tsai-Hung (1IC)
Fang, Fang (1I)
Fang, Kai-Tai
(Plenary Session 2)
Fang, Shenyang (6B)
Fang, Xiangzhong (3Q)
Feng, Xiao (80)
Fei, Lin (1T, 5Q, 6S)
Feng, Cindy Xin (7K)
Feng, Jianfeng (4B)
Feng, Long (11B)
Feng, Qunqiang (11M)
Feng, Rui (1F)
Feng, Xingdong (2F)
Feng, Yanqing (10D)
Feng, Zeny (6M)
Filho, Mário de Castro Andrade (12R, 5N, 6J)
Finner, Helmut (11I)
Follmann, Dean (10P)
Fotouhi, Ali Reza (2T)
Freue, Gabriela Cohen (2M)
Fu, Bo (7J)
Fu, Haoda (11E)
Fu, James C. (9H)
Fu, Yuejiao (11G, 12F)
Fuh, Cheng-Der (9H)
Fung, Wing Kam (2G, 3Q, 7J)
Gambino, Jack (3Q, 4N)
Ganjali, Mojtaba (9T)
Gao, Chao (8L)
Gao, Daode (9R)
Gao, Qibin (7Q)
Gao, Sujuan (8M)
Ge, Hao (12N)
Geng, Zhi (7L)
Gilbert, Peter B. (10P)
Gomaa, Abdel-Salam (5F)
Gong, Yankun (3J, 6L)
Gould, A. Lawrence (1Q)
Gouno, Evans (3T)
Gramacy, Robert (100)
Green, Gary (1A)
Gu, Mengyang (6S)
Guerrier, Stéphane (4F)
Guindani, Michele (7I, 8K)
Guo, Bin (4A)
Guo, Tong (2J)
Guo, Wensheng (11A)
Guo, Xianping (4G)
Guo, Xiaobo (1F)
Guo, Xin (7Q)
Guo, Xi-Yan (3R)
Ha, Il Do (10E)
Hamasaki, Toshimitsu (5I, 6I)
Han, Dong (12M)
Han, Fang (7B, 9J)
Han, Fang (8L)
Han, Xiao (9L)
Han, Yuecai (1J)
Hannig, Jan (4L, 5M)
Hao, Ning (10G)
Haziza, David (4N)
He, Jing (4A)
He, Wenqing (1B, 5B)
He, Xin (4C)
He, Xin (9J, 11P)
He, Xu (11C)
He, Yangbo (7L)
He, Zhuoqiong (9R)
Hong, Hyokyung Grace (1B)
Hoseyni, Cyrus (10M)
Hosseini-Baharanchi, Fatemeh Sadat (12R)
Hou, Lin (1D)
Hrdle, Wolfgang Karl (9D)
Hsiao, Chin-Fu (5I, 6I)
Hsu, Elton (12N)
Hsu, Hsiang-Ling (8E)
Hsu, Jason (11I)
Hsu, Wei-Wen (1H)
Hu, Chen (11E)
Hu, Chengchao (5B)
Hu, Feifang (5D)
<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hu, Jiang</td>
<td>(2K)</td>
</tr>
<tr>
<td>Hu, Jianhua</td>
<td>(2F)</td>
</tr>
<tr>
<td>Hu, Joa</td>
<td>(10N)</td>
</tr>
<tr>
<td>Hu, Jun</td>
<td>(1R, 3N)</td>
</tr>
<tr>
<td>Hu, Na</td>
<td>(10D)</td>
</tr>
<tr>
<td>Hu, Pengfei</td>
<td>(6B)</td>
</tr>
<tr>
<td>Hu, Peter H.</td>
<td>(1P)</td>
</tr>
<tr>
<td>Hu, Taizhong</td>
<td>(12G)</td>
</tr>
<tr>
<td>Hu, Xijian</td>
<td>(5F)</td>
</tr>
<tr>
<td>Hu, Zhishui</td>
<td>(11M)</td>
</tr>
<tr>
<td>Hu, Zhixin</td>
<td>(4B)</td>
</tr>
<tr>
<td>Hu, Zonghui</td>
<td>(8H)</td>
</tr>
<tr>
<td>Hua, Lei</td>
<td>(1N)</td>
</tr>
<tr>
<td>Huang, Bin</td>
<td>(2Q, 6T)</td>
</tr>
<tr>
<td>Huang, Chao</td>
<td>(3M)</td>
</tr>
<tr>
<td>Huang, Chiung-Yu</td>
<td>(6E)</td>
</tr>
<tr>
<td>Huang, Hsin-Cheng</td>
<td>(5R, 10H)</td>
</tr>
<tr>
<td>Huang, Jian</td>
<td>(2F, 8I)</td>
</tr>
<tr>
<td>Huang, Lei</td>
<td>(2G)</td>
</tr>
<tr>
<td>Huang, Qin</td>
<td>(2J, 4S)</td>
</tr>
<tr>
<td>Huang, Tao</td>
<td>(2F)</td>
</tr>
<tr>
<td>Huang, Xiaohong</td>
<td>(1N)</td>
</tr>
<tr>
<td>Huang, Xi-Fen</td>
<td>(9I)</td>
</tr>
<tr>
<td>Huang, Xingfang</td>
<td>(7D)</td>
</tr>
<tr>
<td>Huang, Xuelin</td>
<td>(6R)</td>
</tr>
<tr>
<td>Huang, Yen-Tsung</td>
<td>(3G)</td>
</tr>
<tr>
<td>Huang, Yong-Hui</td>
<td>(12Q)</td>
</tr>
<tr>
<td>Huber, Catherine</td>
<td>(1E)</td>
</tr>
<tr>
<td>Huckemann, Stephan</td>
<td>(4D)</td>
</tr>
<tr>
<td>Huh, Jaewon</td>
<td>(7T)</td>
</tr>
<tr>
<td>Hung, James</td>
<td>(2I)</td>
</tr>
<tr>
<td>Huo, Xiaoming</td>
<td>(9G)</td>
</tr>
<tr>
<td>Huwang, Longcheeun</td>
<td>(8B)</td>
</tr>
<tr>
<td>Hwang, Beomseuk</td>
<td>(9T)</td>
</tr>
<tr>
<td>Hwang, Hsien</td>
<td>(1L)</td>
</tr>
<tr>
<td>Hwang, Wei-Ting</td>
<td>(11E)</td>
</tr>
<tr>
<td>Hwang, Wen-Han</td>
<td>(12C)</td>
</tr>
<tr>
<td>Iwasaki, Manabu</td>
<td>(3Q)</td>
</tr>
<tr>
<td>Iyengar, Satish</td>
<td>(8A)</td>
</tr>
<tr>
<td>Jang, Dae-Heung</td>
<td>(8N)</td>
</tr>
<tr>
<td>Jang, Woncheol</td>
<td>(3E)</td>
</tr>
<tr>
<td>Jeng, Jessie</td>
<td>(8I)</td>
</tr>
<tr>
<td>Ji, Hongkai</td>
<td>(1D, 4I)</td>
</tr>
<tr>
<td>Ji, Yuan</td>
<td>(9C)</td>
</tr>
<tr>
<td>Ji, Zhicheng</td>
<td>(3T)</td>
</tr>
<tr>
<td>Jia, Bin (Eddy)</td>
<td>(5J)</td>
</tr>
<tr>
<td>Jia, Jinzhu</td>
<td>(7L)</td>
</tr>
<tr>
<td>Jiang, Bei</td>
<td>(7K)</td>
</tr>
<tr>
<td>Jiang, Daquan</td>
<td>(12Q)</td>
</tr>
<tr>
<td>Jiang, Fei</td>
<td>(4J)</td>
</tr>
<tr>
<td>Jiang, Hui</td>
<td>(4I)</td>
</tr>
<tr>
<td>Jiang, Huijing</td>
<td>(3D)</td>
</tr>
<tr>
<td>Jiang, Jiancheng</td>
<td>(8D)</td>
</tr>
<tr>
<td>Jiang, Rui</td>
<td>(4R)</td>
</tr>
<tr>
<td>Jiang, Wei</td>
<td>(12M)</td>
</tr>
<tr>
<td>Jiang, Xuejun</td>
<td>(11K)</td>
</tr>
<tr>
<td>Jiang, Yuchao</td>
<td>(2R)</td>
</tr>
<tr>
<td>Jiang, Zhiwei</td>
<td>(4K)</td>
</tr>
<tr>
<td>Jin, Hua</td>
<td>(8P)</td>
</tr>
<tr>
<td>Jin, Ick Hoon</td>
<td>(1G)</td>
</tr>
<tr>
<td>Jin, Jiashun</td>
<td>(3E)</td>
</tr>
<tr>
<td>Jin, Zhezhen</td>
<td>(1I, 5B, 7P)</td>
</tr>
<tr>
<td>Jing, Bingyi</td>
<td>(6N, 7F, 12L, 9L, 10B)</td>
</tr>
<tr>
<td>Johann, Gagnon-Bartsch</td>
<td>(2M)</td>
</tr>
<tr>
<td>Johnson, Timothy</td>
<td>(10A)</td>
</tr>
<tr>
<td>Jones, Bradley</td>
<td>(2B)</td>
</tr>
<tr>
<td>Kakizume, Tomoyuki</td>
<td>(11N)</td>
</tr>
<tr>
<td>Kang, Emily</td>
<td>(3D)</td>
</tr>
<tr>
<td>Kang, Jian</td>
<td>(7A, 12D)</td>
</tr>
<tr>
<td>Kang, Sangwook</td>
<td>(4T, 6C)</td>
</tr>
<tr>
<td>Kang, Seung-Ho</td>
<td>(6I)</td>
</tr>
<tr>
<td>Kang, Yang</td>
<td>(8S)</td>
</tr>
<tr>
<td>Kaur, Amarjot</td>
<td>(3Q)</td>
</tr>
<tr>
<td>Ke, Zheng Tracy</td>
<td>(9J)</td>
</tr>
<tr>
<td>Keilegom, Ingrid Van</td>
<td>(7R, 10D)</td>
</tr>
<tr>
<td>Kelma, Florian</td>
<td>(7T)</td>
</tr>
<tr>
<td>Kerns, Lucy</td>
<td>(10S, 11R)</td>
</tr>
<tr>
<td>Khalili, Abbas</td>
<td>(11G)</td>
</tr>
<tr>
<td>Kim, Chul Eung</td>
<td>(3Q)</td>
</tr>
<tr>
<td>Kim, Donguk</td>
<td>(4P)</td>
</tr>
<tr>
<td>Kim, Hee-Kyung</td>
<td>(5P)</td>
</tr>
<tr>
<td>Kim, Hyoung-Moon</td>
<td>(5P)</td>
</tr>
<tr>
<td>Kim, Jaejik</td>
<td>(4P)</td>
</tr>
<tr>
<td>Kim, Jae-kwang</td>
<td>(7M)</td>
</tr>
<tr>
<td>Kim, Jinhun</td>
<td>(6C)</td>
</tr>
<tr>
<td>Kim, Joonpyo</td>
<td>(3T)</td>
</tr>
<tr>
<td>Kim, Youngil</td>
<td>(8N)</td>
</tr>
<tr>
<td>Kleiber, Will</td>
<td>(10H)</td>
</tr>
<tr>
<td>Kong, Linglong</td>
<td>(1A, 8A, 10A)</td>
</tr>
<tr>
<td>Kong, Xingbing</td>
<td>(12B)</td>
</tr>
<tr>
<td>Kong, Yinfei</td>
<td>(3A)</td>
</tr>
<tr>
<td>Koyama, Shinsuke</td>
<td>(3K)</td>
</tr>
<tr>
<td>Kumazawa, Takao</td>
<td>(3K)</td>
</tr>
<tr>
<td>Kuo, Lynn</td>
<td>(7S, 9C)</td>
</tr>
<tr>
<td>Kuriki, Satoshi</td>
<td>(1L)</td>
</tr>
<tr>
<td>Kuroda, Masahiro</td>
<td>(4D)</td>
</tr>
<tr>
<td>Kuzuyurova, Ksenia</td>
<td>(8R)</td>
</tr>
<tr>
<td>Lai, Yinglei</td>
<td>(8H)</td>
</tr>
<tr>
<td>Lan, Kuang-Kuo Gordon</td>
<td>(5G)</td>
</tr>
<tr>
<td>Lan, Xiaohong</td>
<td>(50)</td>
</tr>
<tr>
<td>Lange, Theis</td>
<td>(6L)</td>
</tr>
<tr>
<td>Lederer, Johannes</td>
<td>(12P)</td>
</tr>
<tr>
<td>Lee, Dahhay</td>
<td>(4T)</td>
</tr>
<tr>
<td>Lee, Hong</td>
<td>(3P)</td>
</tr>
<tr>
<td>Lee, Jaeyong</td>
<td>(6G, 8K)</td>
</tr>
<tr>
<td>Lee, Jason</td>
<td>(4Q)</td>
</tr>
<tr>
<td>Lee, Juhee</td>
<td>(9C)</td>
</tr>
<tr>
<td>Lee, Keunbaik</td>
<td>(6G)</td>
</tr>
<tr>
<td>Lee, Kyoung-jae</td>
<td>(6G)</td>
</tr>
<tr>
<td>Lee, Mei-Ling</td>
<td></td>
</tr>
<tr>
<td>Ting</td>
<td>(1E, 3Q, 4C, 5G, 6F, 7P, 8F, 12E)</td>
</tr>
<tr>
<td>Lee, Seunggeun</td>
<td>(2L)</td>
</tr>
<tr>
<td>Lee, Seungyeoun</td>
<td>(2H)</td>
</tr>
<tr>
<td>Lee, Stephen</td>
<td>(30)</td>
</tr>
<tr>
<td>Lee, Sungim</td>
<td>(8N)</td>
</tr>
<tr>
<td>Lee, Woojoo</td>
<td>(4P)</td>
</tr>
<tr>
<td>Lee, Youngjo</td>
<td>(8N)</td>
</tr>
<tr>
<td>Lee, Yung-Seop</td>
<td>(5P)</td>
</tr>
<tr>
<td>Lei, Jing</td>
<td>(10Q)</td>
</tr>
<tr>
<td>Leng, Chenlei</td>
<td>(3A)</td>
</tr>
<tr>
<td>Li, Baoyu</td>
<td>(12I)</td>
</tr>
<tr>
<td>Li, Bing</td>
<td>(6Q)</td>
</tr>
<tr>
<td>Li, Bo</td>
<td>(3D, 8T, 10H)</td>
</tr>
<tr>
<td>Li, Cai</td>
<td>(9K)</td>
</tr>
<tr>
<td>Li, Caixia</td>
<td>(8P)</td>
</tr>
<tr>
<td>Li, Cheng</td>
<td>(8T)</td>
</tr>
<tr>
<td>Li, Chen-xu</td>
<td>(8R)</td>
</tr>
<tr>
<td>Li, Chun</td>
<td>(6A)</td>
</tr>
<tr>
<td>Li, Cuixia</td>
<td>(6N)</td>
</tr>
<tr>
<td>Li, Degui</td>
<td>(2A)</td>
</tr>
<tr>
<td>Li, Deyuan</td>
<td>(3C, 12G)</td>
</tr>
<tr>
<td>Li, Dong</td>
<td>(12H)</td>
</tr>
<tr>
<td>Li, Gang</td>
<td>(2J, 11Q)</td>
</tr>
<tr>
<td>Li, Gang</td>
<td>(4E, 8J)</td>
</tr>
<tr>
<td>Li, Guodong</td>
<td>(7Q)</td>
</tr>
<tr>
<td>Li, Hongzhe</td>
<td>(1D, 2D)</td>
</tr>
<tr>
<td>Li, Huiqiong</td>
<td>(1R, 3N)</td>
</tr>
<tr>
<td>Li, Jiajiang (6C)</td>
<td>Lin, Chunfang Devon (5R)</td>
</tr>
<tr>
<td>Li, Jialiang (6F)</td>
<td>Lin, Dennis K. J. (1C, 5R)</td>
</tr>
<tr>
<td>Li, Jian (6P)</td>
<td>Lin, Gwo Dong (1L)</td>
</tr>
<tr>
<td>Li, Jie (9S)</td>
<td>Lin, Huazhen (1H, 3Q, 7H)</td>
</tr>
<tr>
<td>Li, Jingyi (4I)</td>
<td>Lin, Jianchang (60)</td>
</tr>
<tr>
<td>Li, Jun (8B)</td>
<td>Lin, Jinguan (12G)</td>
</tr>
<tr>
<td>Li, Junfang (2I)</td>
<td>Lin, Shili (12E)</td>
</tr>
<tr>
<td>Li, Ker-Chau (12E)</td>
<td>Lin, Suiheng (3J)</td>
</tr>
<tr>
<td>Li, Lexin (7A)</td>
<td>Lin, Wei (1F)</td>
</tr>
<tr>
<td>Li, Nicole (1K, 2J)</td>
<td>Lin, Yuanyuan (2E)</td>
</tr>
<tr>
<td>Li, Pengfei (11G, 12F)</td>
<td>Lin, Yunzhi (11)</td>
</tr>
<tr>
<td>Li, Qizhai (2G)</td>
<td>Lin, Zhengyan (9M)</td>
</tr>
<tr>
<td>Li, Quefeng (5C)</td>
<td>Lindquist, Martin (10A)</td>
</tr>
<tr>
<td>Li, Ting (12L)</td>
<td>Ling, Mei–Hsiu (1N)</td>
</tr>
<tr>
<td>Li, Waikeng (3Q, 7R)</td>
<td>Ling, Wodan (9S)</td>
</tr>
<tr>
<td>Li, Weiming (9L)</td>
<td>Liu, Binghui (1R)</td>
</tr>
<tr>
<td>Li, Wendong (7D)</td>
<td>Liu, Catherine Chunling (5N, 7Q)</td>
</tr>
<tr>
<td>Li, Wentao (8T)</td>
<td>Liu, Dangzheng (11M)</td>
</tr>
<tr>
<td>Li, Xiangdong (12Q)</td>
<td>Liu, Dungang (6A, 7N, 8G)</td>
</tr>
<tr>
<td>Li, Yan (5G)</td>
<td>Liu, Guangying (6N)</td>
</tr>
<tr>
<td>Li, Yanting (6P)</td>
<td>Liu, Haiyan (11C)</td>
</tr>
<tr>
<td>Li, Yi (11A)</td>
<td>Liu, Hanzhong (12H)</td>
</tr>
<tr>
<td>Li, Yimei (11E)</td>
<td>Liu, Ivy (6A)</td>
</tr>
<tr>
<td>Li, Yingbo (1Q)</td>
<td>Liu, Jicai (5C)</td>
</tr>
<tr>
<td>Li, Yingying (6N)</td>
<td>Liu, Jin (11P)</td>
</tr>
<tr>
<td>Li, Yushu (3S)</td>
<td>Liu, Jun S. (Pao–Lu Hsu Award)</td>
</tr>
<tr>
<td>Li, Zeng (7T)</td>
<td>Liu, Lian (6L)</td>
</tr>
<tr>
<td>Li, Zhen (7T)</td>
<td>Liu, Lingyun (51)</td>
</tr>
<tr>
<td>Li, Zhengbang (3N)</td>
<td>Liu, Min–Qian (1C)</td>
</tr>
<tr>
<td>Li, Zhiqiang (8J)</td>
<td>Liu, Qi Li (4G)</td>
</tr>
<tr>
<td>Li, Zhuping (3F)</td>
<td>Liu, Regina (4L)</td>
</tr>
<tr>
<td>Lian, Heng (3F)</td>
<td>Liu, Shixue (10)</td>
</tr>
<tr>
<td>Liang, Baozheng (9A)</td>
<td>Liu, Suyu (11N)</td>
</tr>
<tr>
<td>Liang, Faming (1G, 2L)</td>
<td>Liu, Wei (5Q)</td>
</tr>
<tr>
<td>Liang, Feng (5M)</td>
<td>Liu, Wentao (7S)</td>
</tr>
<tr>
<td>Liang, Hanying (6N)</td>
<td>Liu, Xiaoqiao (2J)</td>
</tr>
<tr>
<td>Liang, Hua (2C, 7F)</td>
<td>Liu, Yang (9K)</td>
</tr>
<tr>
<td>Liang, Kun (5Q, 6M)</td>
<td>Liu, Yanning (4T)</td>
</tr>
<tr>
<td>Liang, Wenjuan (6P)</td>
<td>Liu, Yanyan (5C, 7C)</td>
</tr>
<tr>
<td>Liang, Ye (2Q)</td>
<td>Liu, Yin (91)</td>
</tr>
<tr>
<td>Liang, Zhi Bing (4G)</td>
<td>Liu, Yingxue Cathy (4K)</td>
</tr>
<tr>
<td>Lim, Chae Young (66)</td>
<td>Liu, Yufeng (10F)</td>
</tr>
<tr>
<td>Lim, Changwon (5P)</td>
<td>Liu, Yukun (12F)</td>
</tr>
<tr>
<td>Lin, Bingqing (12B)</td>
<td>Liu, Zhi (2K)</td>
</tr>
<tr>
<td>Lin, Chang–Yun Lin (8E)</td>
<td>Liu, Zhong (9R)</td>
</tr>
<tr>
<td>Loh, Wei (50)</td>
<td>Loh, Po–Ling (101)</td>
</tr>
<tr>
<td>Long, Qi (11P)</td>
<td>Lourens, Spencer (2S, 6K)</td>
</tr>
<tr>
<td>Lou, Henry Horng–Shing (1E)</td>
<td>Lu, Bo (4C)</td>
</tr>
<tr>
<td>Lu, Cui (51)</td>
<td>Lu, Minggen (8S)</td>
</tr>
<tr>
<td>Lu, Renjie (7S)</td>
<td>Lu, Tao (2T)</td>
</tr>
<tr>
<td>Lu, Wenbin (9P)</td>
<td>Lu, Yimeng (1N)</td>
</tr>
<tr>
<td>Lu, Zudi (2A)</td>
<td>Lu, Zhiyuan (2R, 3O)</td>
</tr>
<tr>
<td>Luo, Bin (6J)</td>
<td>Luo, Chongliang (6H)</td>
</tr>
<tr>
<td>Luo, Dejun (70)</td>
<td>Luo, Shao (10C)</td>
</tr>
<tr>
<td>Luo, Sheng (8J)</td>
<td>Luo, Xi (6H)</td>
</tr>
<tr>
<td>Luo, Xiaolong (11)</td>
<td>Lv, Shaoqiao (7H)</td>
</tr>
<tr>
<td>Ma, Li (3E)</td>
<td>Ma, Ping (10K, 11A, 12H)</td>
</tr>
<tr>
<td>Ma, Pulong (2S)</td>
<td>Ma, Shuangge (8C)</td>
</tr>
<tr>
<td>Ma, Shujie (4F)</td>
<td>Ma, Wenxiu (41)</td>
</tr>
<tr>
<td>Ma, Yanyuan (4F)</td>
<td>Ma, Zhiming (Plenary Session 3)</td>
</tr>
<tr>
<td>Ma, Zongming (101, 11F)</td>
<td>Mao, Changxuan (12C)</td>
</tr>
<tr>
<td>Mao, Lu (4T)</td>
<td>Mao, Yonghua (12N)</td>
</tr>
<tr>
<td>Marino, Miguel (10S, 11R)</td>
<td>Maristioni, Markato (2P)</td>
</tr>
<tr>
<td>Marinucci, Domenico (50)</td>
<td>Masarotto, Guido (8B)</td>
</tr>
<tr>
<td>Matsuda, Yasumasa (3K)</td>
<td>Mei, Yajun (12M)</td>
</tr>
<tr>
<td>Meng, Leslie (5J)</td>
<td>Meng, Xiaoli (2N, 4L)</td>
</tr>
<tr>
<td>Mesbah, Mounir (1P, 2P)</td>
<td>Miao, Hongyu (1M)</td>
</tr>
<tr>
<td>Name</td>
<td>Affiliation</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Michailidis, George</td>
<td>(100)</td>
</tr>
<tr>
<td>Mikyoung, Jun</td>
<td>(10H)</td>
</tr>
<tr>
<td>Min, Xiaoyi</td>
<td>(7N)</td>
</tr>
<tr>
<td>Minggen, Lu</td>
<td>(11L)</td>
</tr>
<tr>
<td>Minnier, Jessica</td>
<td>(5H)</td>
</tr>
<tr>
<td>Morita, Satoshi</td>
<td>(1O, 11N)</td>
</tr>
<tr>
<td>Mou, Tian</td>
<td>(6T)</td>
</tr>
<tr>
<td>Mueller, Hans</td>
<td>(7R, 12A)</td>
</tr>
<tr>
<td>Muhammad, Malim</td>
<td>(3S)</td>
</tr>
<tr>
<td>Mukherjee, Rajarshi</td>
<td>(4Q)</td>
</tr>
<tr>
<td>Mukherjee, Amitava</td>
<td>(7T)</td>
</tr>
<tr>
<td>Mukherjee, Ayon</td>
<td>(2S)</td>
</tr>
<tr>
<td>Mukherjee, Rajarshi</td>
<td>(11F)</td>
</tr>
<tr>
<td>Nadler, Boaz</td>
<td>(12P)</td>
</tr>
<tr>
<td>Nair, Nitin</td>
<td>(1N)</td>
</tr>
<tr>
<td>Nan, Bin</td>
<td>(7A)</td>
</tr>
<tr>
<td>Negahban, Sahand</td>
<td>(9Q)</td>
</tr>
<tr>
<td>Neto, Francisco Louzada</td>
<td>(3Q, 5N, 6J)</td>
</tr>
<tr>
<td>Ng, Kai W.</td>
<td>(4L)</td>
</tr>
<tr>
<td>Ng, Timothy</td>
<td>(7Q)</td>
</tr>
<tr>
<td>Nguyen, Nam Ky</td>
<td>(2B)</td>
</tr>
<tr>
<td>Ni, Andy</td>
<td>(7C)</td>
</tr>
<tr>
<td>Ni, Yang</td>
<td>(6S)</td>
</tr>
<tr>
<td>Ning, Jing</td>
<td>(5G)</td>
</tr>
<tr>
<td>Ning, Yang</td>
<td>(12J)</td>
</tr>
<tr>
<td>Nishimura, Akihiko</td>
<td>(8T)</td>
</tr>
<tr>
<td>Niu, Linlin</td>
<td>(9D)</td>
</tr>
<tr>
<td>Noah, Simon</td>
<td>(5H)</td>
</tr>
<tr>
<td>Noh, Maengseok</td>
<td>(8N)</td>
</tr>
<tr>
<td>Nummi, Tapio</td>
<td>(9N)</td>
</tr>
<tr>
<td>Ogden, Todd</td>
<td>(10A)</td>
</tr>
<tr>
<td>Oh, Hee-Seok</td>
<td>(7M)</td>
</tr>
<tr>
<td>Oh, Sewoong</td>
<td>(9Q)</td>
</tr>
<tr>
<td>Olaomi, John</td>
<td>(8R)</td>
</tr>
<tr>
<td>Oliveria, Teresa</td>
<td>(6F)</td>
</tr>
<tr>
<td>Ombao, Hernando</td>
<td>(7A)</td>
</tr>
<tr>
<td>Ou, Fangshu</td>
<td>(6E, 7C)</td>
</tr>
<tr>
<td>Ouyang, Zhengqing</td>
<td>(3G)</td>
</tr>
<tr>
<td>Owen, Art</td>
<td>(2M)</td>
</tr>
<tr>
<td>Paik, Myunghee</td>
<td>(20)</td>
</tr>
<tr>
<td>Paindaveine, Davy</td>
<td>(4Q)</td>
</tr>
<tr>
<td>Pan, Deng</td>
<td>(2E)</td>
</tr>
<tr>
<td>Pan, Dongdong</td>
<td>(3N)</td>
</tr>
<tr>
<td>Pan, Guangming</td>
<td>(2K)</td>
</tr>
<tr>
<td>Pan, James</td>
<td>(4H, 5J, 10M)</td>
</tr>
<tr>
<td>Pan, Jianxin</td>
<td>(3M, 3Q, 40, 9N)</td>
</tr>
<tr>
<td>Pan, Qing</td>
<td>(8H)</td>
</tr>
<tr>
<td>Pan, Yi</td>
<td>(40)</td>
</tr>
<tr>
<td>Pang, Zhen</td>
<td>(3F)</td>
</tr>
<tr>
<td>Park, Byung</td>
<td>(5H)</td>
</tr>
<tr>
<td>Park, Hoyoung</td>
<td>(1S)</td>
</tr>
<tr>
<td>Park, Taesung</td>
<td>(2H)</td>
</tr>
<tr>
<td>Park, Taeyoung</td>
<td>(6G)</td>
</tr>
<tr>
<td>Park, Yongseok</td>
<td>(3G)</td>
</tr>
<tr>
<td>Pathak, Ashok Kumar</td>
<td>(5T)</td>
</tr>
<tr>
<td>Paulin, Daniel</td>
<td>(3H)</td>
</tr>
<tr>
<td>Pein, Florian</td>
<td>(10G)</td>
</tr>
<tr>
<td>Penev, Spiridon</td>
<td>(11J)</td>
</tr>
<tr>
<td>Peng, Heng</td>
<td>(11J)</td>
</tr>
<tr>
<td>Peng, Jianan</td>
<td>(5Q, 6M)</td>
</tr>
<tr>
<td>Peng, Jie</td>
<td>(8A, 10F)</td>
</tr>
<tr>
<td>Peng, Paul</td>
<td>(3B)</td>
</tr>
<tr>
<td>Peng, Xiaoling</td>
<td>(4E)</td>
</tr>
<tr>
<td>Perdoné, Gleici</td>
<td>(5N)</td>
</tr>
<tr>
<td>Perry, Patrick</td>
<td>(2M)</td>
</tr>
<tr>
<td>Petkova, Eva</td>
<td>(7K)</td>
</tr>
<tr>
<td>Pham, Tung</td>
<td>(8S)</td>
</tr>
<tr>
<td>Phoa, Frederick Kin Hing</td>
<td>(2B, 5R)</td>
</tr>
<tr>
<td>Platt, Robert</td>
<td>(11D)</td>
</tr>
<tr>
<td>Porcu, Emilio</td>
<td>(3D)</td>
</tr>
<tr>
<td>Prünster, Igor</td>
<td>(8K)</td>
</tr>
<tr>
<td>Puza, Borek</td>
<td>(5T)</td>
</tr>
<tr>
<td>Qi, Dequan</td>
<td>(6P)</td>
</tr>
<tr>
<td>Qian, Guoqi</td>
<td>(12C)</td>
</tr>
<tr>
<td>Qian, Lianfen</td>
<td>(9M)</td>
</tr>
<tr>
<td>Qian, Min</td>
<td>(5D)</td>
</tr>
<tr>
<td>Qian, Peter</td>
<td>(5R)</td>
</tr>
<tr>
<td>Qin, Guoyou</td>
<td>(9F)</td>
</tr>
<tr>
<td>Qin, Li-Xuan</td>
<td>(31, 5L)</td>
</tr>
<tr>
<td>Qin, Yingli</td>
<td>(11B)</td>
</tr>
<tr>
<td>Qin, Zhaohui</td>
<td>(41)</td>
</tr>
<tr>
<td>Qiu, Peihua</td>
<td>(6D, 7D, 8B, 100)</td>
</tr>
<tr>
<td>Qiu, Weiliang</td>
<td>(6F)</td>
</tr>
<tr>
<td>Qiu, Xing</td>
<td>(7E)</td>
</tr>
<tr>
<td>Qiu, Yunou</td>
<td>(7E)</td>
</tr>
<tr>
<td>Qu, Annie</td>
<td>(11A)</td>
</tr>
<tr>
<td>Rached, Oualida</td>
<td>(1P)</td>
</tr>
<tr>
<td>Raskutti, Garvesh</td>
<td>(4Q, 12P)</td>
</tr>
<tr>
<td>Ren, Zhao</td>
<td>(8L)</td>
</tr>
<tr>
<td>Rivest, Louis-Paul</td>
<td>(4N)</td>
</tr>
<tr>
<td>Robins, James</td>
<td>(10L)</td>
</tr>
<tr>
<td>Rodriguez, Robert N.</td>
<td>(9P)</td>
</tr>
<tr>
<td>Rosenblum, Michael</td>
<td>(10)</td>
</tr>
<tr>
<td>Rouder, Jeff</td>
<td>(3R)</td>
</tr>
<tr>
<td>Saarela, Olli</td>
<td>(11D)</td>
</tr>
<tr>
<td>Sakumaki, Kentaro</td>
<td>(4H)</td>
</tr>
<tr>
<td>Samworth, Richard</td>
<td>(11F)</td>
</tr>
<tr>
<td>Sang, Huiyan</td>
<td>(3C, 12D)</td>
</tr>
<tr>
<td>Sano, Fumiya</td>
<td>(1T)</td>
</tr>
<tr>
<td>Schifano, Elizabeth</td>
<td>(4R)</td>
</tr>
<tr>
<td>Schimek, Michael G.</td>
<td>(3P)</td>
</tr>
<tr>
<td>Schmid, Christopher H.</td>
<td>(7M)</td>
</tr>
<tr>
<td>Schmidt, Alexandra Mello</td>
<td>(3Q, 71, 8K)</td>
</tr>
<tr>
<td>Schmidt-Heiber, Johannes</td>
<td>(10Q)</td>
</tr>
<tr>
<td>Schnitzer, Mireille</td>
<td>(11D)</td>
</tr>
<tr>
<td>Schuster, Tibor</td>
<td>(11D)</td>
</tr>
<tr>
<td>Schwartzman, Armin</td>
<td>(6M)</td>
</tr>
<tr>
<td>Senoussi, Rachid</td>
<td>(2P)</td>
</tr>
<tr>
<td>Shang, Han</td>
<td>(1S)</td>
</tr>
<tr>
<td>Shao, Jinghai</td>
<td>(9H)</td>
</tr>
<tr>
<td>Shao, Jun</td>
<td>(11H, 12J)</td>
</tr>
<tr>
<td>Shao, Qi-Man</td>
<td>(80)</td>
</tr>
<tr>
<td>Shao, Yongzhao</td>
<td>(2G)</td>
</tr>
<tr>
<td>She, Yiyuan</td>
<td>(5A)</td>
</tr>
<tr>
<td>Shen, Chan</td>
<td>(8S)</td>
</tr>
<tr>
<td>Shen, Chung-Wei</td>
<td>(4J)</td>
</tr>
<tr>
<td>Shen, Frank</td>
<td>(4S)</td>
</tr>
<tr>
<td>Shen, Guangjun</td>
<td>(70)</td>
</tr>
<tr>
<td>Shen, Haipeng</td>
<td>(9B, 11J)</td>
</tr>
<tr>
<td>Shen, Juan</td>
<td>(6l)</td>
</tr>
<tr>
<td>Shen, Wei</td>
<td>(10M, 120)</td>
</tr>
<tr>
<td>Shen, Xiaojing</td>
<td>(40)</td>
</tr>
<tr>
<td>Shen, Xiaotong</td>
<td>(90, 10R)</td>
</tr>
<tr>
<td>Shen, Ye</td>
<td>(121)</td>
</tr>
<tr>
<td>Shen, Yu</td>
<td>(9F)</td>
</tr>
<tr>
<td>Shepherd, Bryan</td>
<td>(6A)</td>
</tr>
<tr>
<td>Shi, Jian</td>
<td>(7Q, 9N)</td>
</tr>
<tr>
<td>Shi, Qiang</td>
<td>(5K)</td>
</tr>
<tr>
<td>Shieh, Grace S.</td>
<td>(2H)</td>
</tr>
<tr>
<td>Shih, Joanna</td>
<td>(20)</td>
</tr>
<tr>
<td>Shin, Seung Jun</td>
<td>(5A)</td>
</tr>
<tr>
<td>Shojaie, Ali</td>
<td>(2D)</td>
</tr>
<tr>
<td>Shu, Lianjie</td>
<td>(11K)</td>
</tr>
<tr>
<td>Si, Xiaosheng</td>
<td>(12K)</td>
</tr>
<tr>
<td>Silva, Pedro Luis do Nascimento</td>
<td>(3Q)</td>
</tr>
<tr>
<td>SO, Mike Ka Pui</td>
<td>(3C)</td>
</tr>
<tr>
<td>Name</td>
<td>Code</td>
</tr>
<tr>
<td>-----------------------</td>
<td>------</td>
</tr>
<tr>
<td>Son, Won</td>
<td>8S</td>
</tr>
<tr>
<td>Song, Enbin</td>
<td>3M</td>
</tr>
<tr>
<td>Song, Minsun</td>
<td>2H</td>
</tr>
<tr>
<td>Song, Peter</td>
<td>5F, 9G, 10F, 12D</td>
</tr>
<tr>
<td>Song, Qifan</td>
<td>1G</td>
</tr>
<tr>
<td>Song, Renming</td>
<td>12N</td>
</tr>
<tr>
<td>Song, Rui</td>
<td>5A</td>
</tr>
<tr>
<td>Song, Tao</td>
<td>60</td>
</tr>
<tr>
<td>Song, Xinyuan</td>
<td>2E, 9G</td>
</tr>
<tr>
<td>Song, Yang</td>
<td>9T</td>
</tr>
<tr>
<td>Song, Yanyan</td>
<td>8P</td>
</tr>
<tr>
<td>Soon, Guoxing</td>
<td>2I</td>
</tr>
<tr>
<td>Sriperumbudur, Bharat</td>
<td>10Q</td>
</tr>
<tr>
<td>Srivastava, Muni S.</td>
<td>11B</td>
</tr>
<tr>
<td>Starkopf, Liis</td>
<td>3T</td>
</tr>
<tr>
<td>Steel, Kristel Van</td>
<td>2H</td>
</tr>
<tr>
<td>Steingrimsson, Jon</td>
<td>10P</td>
</tr>
<tr>
<td>Su, Zheng</td>
<td>11</td>
</tr>
<tr>
<td>Su, Zhonggen</td>
<td>11M, 12Q</td>
</tr>
<tr>
<td>Suchard, Marc A.</td>
<td></td>
</tr>
<tr>
<td>Sun, (Tony) Jianguo</td>
<td>8F, 10D</td>
</tr>
<tr>
<td>Sun, Dongchu</td>
<td>3R, 9R</td>
</tr>
<tr>
<td>Sun, Fengzhu</td>
<td>4B</td>
</tr>
<tr>
<td>Sun, Hokeyun</td>
<td>4P</td>
</tr>
<tr>
<td>Sun, Jiayang</td>
<td>8C</td>
</tr>
<tr>
<td>Sun, Rongfeng</td>
<td>1J</td>
</tr>
<tr>
<td>Sun, Shan</td>
<td>11J</td>
</tr>
<tr>
<td>Sun, Shuguang</td>
<td>3J</td>
</tr>
<tr>
<td>Sun, Wenguang</td>
<td>4Q, 10Q</td>
</tr>
<tr>
<td>Sun, Yanqing</td>
<td>3B, 7B</td>
</tr>
<tr>
<td>Sun, Yuekai</td>
<td>11F</td>
</tr>
<tr>
<td>Sun, Zhihua</td>
<td>4E</td>
</tr>
<tr>
<td>Sun, Zhihua</td>
<td>9E</td>
</tr>
<tr>
<td>Szabo, Zsolt</td>
<td>10E</td>
</tr>
<tr>
<td>Taguri, Masataka</td>
<td>11N</td>
</tr>
<tr>
<td>Takeda, Kentaro</td>
<td>11N</td>
</tr>
<tr>
<td>Tan, Ming T.</td>
<td>2I, 3I</td>
</tr>
<tr>
<td>Tang, Anming</td>
<td>8Q</td>
</tr>
<tr>
<td>Tang, Cheng Yong</td>
<td>3A, 4A, 5A</td>
</tr>
<tr>
<td>Tang, Dejun</td>
<td>3L, 10M</td>
</tr>
<tr>
<td>Tang, Niansheng</td>
<td>1R, 3N, 8Q, 11H</td>
</tr>
<tr>
<td>Tang, Szu-Yu</td>
<td>4H</td>
</tr>
<tr>
<td>Tao, Jian</td>
<td>9K</td>
</tr>
<tr>
<td>Tarpey, Thaddeus</td>
<td>7K</td>
</tr>
<tr>
<td>Tchetgen, Eric Tchetgen</td>
<td>10L</td>
</tr>
<tr>
<td>Won, Joong-Ho (3E, 8P)</td>
<td>Xu, Han Xu (1S)</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>Won, Sungho (4P)</td>
<td>Xu, Haotian (1S)</td>
</tr>
<tr>
<td>Wong, Ken Sze-Wai (12P)</td>
<td>Xu, Hongquan (2B)</td>
</tr>
<tr>
<td>Wong, Weng Kee (8E)</td>
<td>Xu, Jin (1Q)</td>
</tr>
<tr>
<td>Wu, Bo (70)</td>
<td>Xu, Jinfeng (2G, 3F)</td>
</tr>
<tr>
<td>Wu, Changbao (4N, 7M)</td>
<td>Xu, Jinfeng (5T)</td>
</tr>
<tr>
<td>Wu, Hongqian (8M)</td>
<td>Xu, Kelin (6B)</td>
</tr>
<tr>
<td>Wu, Hulin (1M, 10J)</td>
<td>Xu, Lianzhe (3L)</td>
</tr>
<tr>
<td>Wu, Jing (1E)</td>
<td>Xu, Lihu (4M)</td>
</tr>
<tr>
<td>Wu, Lang (10N)</td>
<td>Xu, Ronghui (3B, 5B)</td>
</tr>
<tr>
<td>Wu, Michael (1D)</td>
<td>Xu, Xinyi (4C)</td>
</tr>
<tr>
<td>Wu, Rongling (10J)</td>
<td>Xue, Lingzhou (5S)</td>
</tr>
<tr>
<td>Wu, Samuel (6D)</td>
<td>Xue, Yang (11C)</td>
</tr>
<tr>
<td>Wu, Tong Tong (7E)</td>
<td>Xun, Xiaolei (1Q, 6L)</td>
</tr>
<tr>
<td>Wu, Yanhong (12M)</td>
<td>Yan, Donghui (8S)</td>
</tr>
<tr>
<td>Wu, Yichao (5A, 90, 10R, 12A)</td>
<td>Yan, Jun (4F)</td>
</tr>
<tr>
<td>Wu, Yihong (10I)</td>
<td>Yan, Yifei (5S)</td>
</tr>
<tr>
<td>Wu, Yuan (11L)</td>
<td>Yan, Ying (3B)</td>
</tr>
<tr>
<td>Wu, Yuan (8R)</td>
<td>Yang, Bo (6K)</td>
</tr>
<tr>
<td>Wu, Yuhao (3T)</td>
<td>Yang, Can (4E, 6H)</td>
</tr>
<tr>
<td>Wu, Zheyang (5E)</td>
<td>Yang, Dan (9B)</td>
</tr>
<tr>
<td>Wu, Zhijin (5L)</td>
<td>Yang, Grace (8F)</td>
</tr>
<tr>
<td>Xi, Dong (10, 51)</td>
<td>Yang, Guangren (12L)</td>
</tr>
<tr>
<td>Xia, Aihua (80, 1Q)</td>
<td>Yang, Hsin-Chou (12E)</td>
</tr>
<tr>
<td>Xia, Jielai (4S)</td>
<td>Yang, Huyuan (60)</td>
</tr>
<tr>
<td>Xia, Lucy (9J)</td>
<td>Yang, Jianfeng (1C, 11C)</td>
</tr>
<tr>
<td>Xia, Ningming (40)</td>
<td>Yang, Qing (9S)</td>
</tr>
<tr>
<td>Xia, Yemao (8Q)</td>
<td>Yang, Yanrong (2K)</td>
</tr>
<tr>
<td>Xia, Yin (9B)</td>
<td>Yao, Chen (4S)</td>
</tr>
<tr>
<td>Xia, Yingcun (4D)</td>
<td>Yao, Fang (12A)</td>
</tr>
<tr>
<td>Xia, Zhiming (110)</td>
<td>Yao, Jiefeng (10C)</td>
</tr>
<tr>
<td>Xiang, Liming (10E)</td>
<td>Yao, Qi-Wei (4D)</td>
</tr>
<tr>
<td>Xiao, Tao (1E, 5G)</td>
<td>Yao, Zhigang (1A)</td>
</tr>
<tr>
<td>Xiao, Yimin (3C, 50)</td>
<td>Ye, Jieping (10A)</td>
</tr>
<tr>
<td>Xie, Bin (1J)</td>
<td>Ye, Zhisheng (2E, 12K)</td>
</tr>
<tr>
<td>Xie, Jichun (2D, 81)</td>
<td>Yeon, Bo-Ra (4T)</td>
</tr>
<tr>
<td>Xie, Min-ge (4L, 5M, 7N, 8G, 9S)</td>
<td>Yi, Bingming (1K)</td>
</tr>
<tr>
<td>Xie, Xian-Jin (11R)</td>
<td>Yi, Grace Y. (1B, 2C, 3B)</td>
</tr>
<tr>
<td>Xiong, Cui (7G)</td>
<td>Yi, Huang (8G)</td>
</tr>
<tr>
<td>Xiong, Momiao (4B)</td>
<td>Yiannoutsos, Constantin T. (6K)</td>
</tr>
<tr>
<td>Xiong, Shifeng (100)</td>
<td>Yin, Anny-Yue (10M)</td>
</tr>
<tr>
<td>Xu, Ancha (12K)</td>
<td>Yin, Anny-Yue (11)</td>
</tr>
<tr>
<td>Xu, Haiyan (4H, 7G)</td>
<td>Yin, Jun (2S)</td>
</tr>
<tr>
<td></td>
<td>Yin, Xiangrong (8D)</td>
</tr>
<tr>
<td></td>
<td>Ying, Ningchen (12L)</td>
</tr>
<tr>
<td></td>
<td>Ying, Zhiliang (2P, 5R)</td>
</tr>
</tbody>
</table>
Zhang, Jun (9E)
Zhang, Li Wen (7J)
Zhang, Lin (3G)
Zhang, Lingsong (5M)
Zhang, Li-Xin (9M, 11M)
Zhang, Min (5C)
Zhang, Nanhua (6T)
Zhang, Peng (5F, 9G)
Zhang, Peter (31)
Zhang, Qingzhao (12B)
Zhang, Shi Bin (4G)
Zhang, Song (12I)
Zhang, Stacey (12I)
Zhang, Tao (4K)
Zhang, Tingting (8A, 10A)
Zhang, Wei (6T)
Zhang, Wenyang (12A)
Zhang, Xicheng (4M)
Zhang, Xinyu (2C)
Zhang, Yilong (1S)
Zhang, Ying (4R, 11L, 120)
Zhang, Yuping (5S)
Zhang, Zhengjun (12G)
Zhang, Zhiwei (60)
Zhang, Zhuosong (80)
Zhao, Anqi (5F)
Zhao, Dave (2D, 8I)
Zhao, Guohuan (4M)
Zhao, Haibing (7G)
Zhao, Hongyu (4R, 10K)
Zhao, Huadong (11L)
Zhao, Hui (8Q, 10D)
Zhao, Jiwei (12J)
Zhao, Naiqing (4S)
Zhao, Qian (8P)
Zhao, Sherry (3L)
Zhao, Xingqiu (5B)
Zhao, Yang (5K)
Zhao, Yichuan (6Q)
Zhao, Yingqi (10B)
Zhao, Yonggan (11G)
Zhao, Yupeng (8H)
Zhao, Zhiqing (11I)
Zheng, Shurong (9M, 10C)
Zheng, Zemin (3A)
Zhong, Wenzhao (6Q, 10K)
Zhou, Chen (12G)
Zhou, Harrison (10I)
Zhou, Harry (11F)
Zhou, Hua (91)
Zhou, Jianjun (8Q)
Zhou, Jiayuan (9S)
Zhou, Jie (3M)
Zhou, Jihao (60)
Zhou, Mingyuan (8K)
Zhou, Qin (110)
Zhou, Shouhao (12R)
Zhou, Wen (1D)
Zhou, Wenxin (3H)
Zhou, Xiao-Hua (2C, 6R)
Zhou, Yan (12D)
Zhou, Yi-Hui (3S)
Zhou, Yingchun (6L)
Zhou, Yongdao (40)
Zhou, Zhou (10G)
Zhu, Aileen (1Q)
Zhu, Biao (1K, 4K)
Zhu, Fukang (9M)
Zhu, Hongtu (7A, 8A)
Zhu, Huichen (9S)
Zhu, Ji (6H, 10F, 11F, 12D)
Zhu, Liang (11L)
Zhu, Liping (10C, 12B)
Zhu, Lixing (4F, 7R)
Zhu, Ming (11)
Zhu, Ruqing (10B)
Zhu, Xuejiao (11H)
Zhu, Yayuan (5S)
Zhu, Yifan (10P)
Zhu, Yu (6Q)
Zhu, Yunzhang (90)
Zhu, Zhengyuan (7M)
Zhuang, Jian (3K)
Zi, Xuefeng (8D)
Zou, Changliang (9E, 110, 12B)
Zou, Fei (2L)
Zuo, Guoxin (1R)