Session Program

ICSA 2009 Applied Statistics Symposium Program Schedule - June 24, Wednesday

Date	Time	Room	Session Title	Organizer	Chair	Speakers	Affiliation	Titles
Wednesday	8:30 a.m. - 10:10 a.m.	Aspen Room	#51. Practical Challenges and Understanding of Adaptive Clinical Trials	Yonghua Wang, BMS	Ralph Raymond, BMS	1. Ralph H. Raymond 2. Robert A. Parker and Samuel Givens 3. Gordon Lan 4. Mark Chang	1. BMS 2. Amgen and Hoffmann-La Roche 3. Johnson & Johnson 4. AMAG	1. Dose Proportionality and Clinical Utility, and Adaptive Framework for Early Development 2. Potential Information from Changes in an Adaptive Study 3. Futility stopping boundaries and guidelines 4. Chanllenges in adaptive design optimization and interpretation
24-Jun-09		Hickory/Hawthorne	#52. New developments in change-point models	Nancy Zhang, Stanford University	Hua Tang, Stanford University	1. Haipeng Xing 2. Julie Atherton 3. Kung-sik Chan	1. State University of New York at Stonybrook 2. McGill University, Canada 3. University of Iowa	1. A Hidden Markov Filtering Approach to Multiple Change-point Models 2. Bayesian Optimal Design for Changepoint Problems 3. Maximum Likelihood Estimation of a Generalized Threshold Model, with Applications to Modeling Plague Dynamics
		Laurel Room	#53. Covariance modelling for Longitudinal Data Analysis	You-Gan Wang, CSIRO Mathematical and Information Sciences, Australia	Jianxin Pan, University of Manchester, UK	1. Justine Shults 2. Denis Leung 3. Jianxin Pan	1. University of Pennsylvania 2. Singapore Management University 3. University of Manchester, UK	1. A comparison between several approaches for choosing between working correlation structures in generalized estimating equation analysis of longitudinal binary data 2. Efficient parameter estimation in longitudinal data analysis using a hybrid GEE method 3. Recent development of joint mean and covariance structures in longitudinal studies
		Oak Room	#54. Statistics in Nanoscience and Imaging	Xiaofeng Wang, Cleveland Clinic	Xiaofeng Wang, Cleveland Clinic	1. Chunming Zhang 2. Richard Charnigo 3. Hongtu Zhu	1. University of Wisconsin-Madison 2. University of Kentucky 3. University of North Carolina, Chapel Hill	1. Regularized Estimation of Hemodynamic Response Function for fMRI Data 2. Pattern recognition problem in nanoscience 3. Regression Models for Identifying Noise Sources in Magnetic Resonance Images

Cottonwood - 2nd Fl	#55. Sample size re-estimation in ongoing clinical trials	Biao Xing, Genentech	Biao Xing, Genentech	1. Jitendra Ganju 2. Lu Cui 3. Mike Wolf	1. Amgen 2. Eisai 3. Amgen	1. Blinded sample size re-estimation using a method based on randomization blocks 2. A comparison of different flexible sample size designs 3. A Confirmatory, Adaptive Survival Trial Compensating for Control Arm Drop-in
Cypress - 2nd Fl	#56. Analyses of safety data in drug development	Larry Shen, Amylin	Larry Shen, Amylin	1. Jimmy Wang 2. Xiaohong Huang 3. Robert Goldberg-Alberts 4. Wei Deng	1. Astellas Pharmaceuticals US 2. Sanofi-Aventis 3. Wyeth 4. Novartis	1. Analysis of Infrequent Events in Cardiology Studies 2. Rare events: evaluating different estimation methods for relative risk and confidence interval 3. Multivariate Adverse Event Analysis 4. Discussion
Polar Room	#57. New methodologies for joint analyzing survival and longitudinal analysis	Jingjing Ye, Pfizer	Jingjing Ye, Pfizer	1. Jimin Ding 2. Elizabeth Brown 3. Sarah Ratcliffe	1. Washington University in St. Louis 2. University of Washington 3. University of Pennsylvania	1. Varying Coefficient Cox model with nonparametric Longitudinal Covariates 2. Assessing the association between trends in a biomarker and risk of event 3. A Shared Parameter Model with Nonparametric Trajectories

	Cherry Room	#58. Contributed Session XI: Computational Statistics		Mu Zhu, University of Waterloo	1. Lev Sverdlov 2. Alexandra Piryatinska 3. Arulmozhi Ganapathy 4. Tiejun Tong 5. Bowei Xi 6. Wei Wu 7. Mu Zhu	1. Schering-Plough Research Institute 2. San Francisco State Univesity 3. PSG College of Technology, Tamilnadu, Ind 4. University of Colorado at Boulder 5. Dept of Statistics, Purdue University 6. University of Chicago 7. University of Waterloo	1. Statistical Methodology in Neurometrics 2. Analysis of EEG sleep paterns of neonates 3. Reliability Evaluation Of Communication Networks Using genetic algorithm 4. Optimal Nearest Shrunken Centroids Method for High-dimensional Classification 5. Adversarial Classification 6. Efficient estimation of copula-based semiparametric Markov models 7. Two-stage Approach for Unbalanced Classification with Time-varying Decision Boundary and Marine Container Inspection
10:10 a.m. - 10:30 a.m.	**Ballroom Foyer**	**Break**					
10:30am-12:10pm	Aspen Room	#59. Model selection and related topics	Jiming Jiang, University of California, Davis	J. Sunil Rao, Case Western Reserve Univ.	1. J. Sunil Rao 2. Ronghui Xu 3. Thuan Nguyen 4. Yeonseung Chung	1. Case Western Reserve University 2. University of California, San Diego 3. Oregon Health & Science University 4. University of North Carolina, Chapel Hill	1. High dimensional data analysis using selective shrinkage: clustering and classification 2. Risk estimation and model selection for correlated survival data 3. Restricted fence method and its applications 4. Nonparametric Bayes Conditional Distribution Modeling with Variable Selection

Hickory/Hawthorne	#60. Statistical methods in the analysis of DNA copy number data	Nancy Zhang, Stanford University	Jimin Ding, Washington University in St. Louis	1. Adam Olshen 2. Nancy Zhang 3. I-Shou Chang	1. Memorial Sloan Kettering Cancer Center 2. Stanford University 3. National Health Research Institute, Taiwan	1. DNA copy number and The Cancer Genome Atlas 2. Allele specific copy number estimation in cancer 3. A hierarchical Bayesian approach to study DNA copy number variation
Laurel Room	#61. New developments in scan statistics with applications to genetics and epidemiology	Nancy Zhang, Stanford University	Haipeng Xing, Stonybrook University of New York	1. I-Ping Tu 2. Hock Peng 3. Guenther Walther	1. Academia Sinica, Taiwan 2. National University of Singapore 3. Stanford University	1. The Application of Scan Statistics on Genomic Data 2. Detection of spatial clustering using GLR test statistics 3. “Scan statistics for quantitating differences in distributions”
Oak Room	# 62. Application of Modern Statistical Methods to Clinical Trials	Milton Fan, FDA	Chang S. Lao, CDRH, FDA	1. Chul Ahn 2. Mushfiqur M. Rashid 3. Susan Zhou, Greg Soon, and Sue Jane Wang 4. Kun He	1. CDRH, FDA 2. CDER, FDA 3. CDER, FDA 4. CDER, FDA	1. Data Poolability in Clinical Trial 2. Robust Approach to Combining Several Studies in a Clinical Trial 3. Evaluation of Design Parameters for an Adaptive Seamless Phase 2b/3 Trial 4. Some Design and Analysis Issues in Oncology Trials
Polar Room	#63. Statistical Challenges in Cardiovascular Studies: Personalized Medicine, Genetic Clinical Trials, Composite Endpoints and Adaptive Treatments	Colin O. Wu and Gang Zheng, NIH/NHLBI	Colin O. Wu, NIH/NHLBI	1. Nancy Geller 2. Xin Tian 3. Dejian Lai	1. NIH/NHLBI 2. NIH/NHLBI 3. University of Texas, Houston	1. Statistical issues in cardio-gene studies 2. Modeling and estimation in longitudinal trials with adaptive treatments 3. Combining Dichotomous and Continuous Data in a U-Statistic: Design and Sample Size Implications for Cell Therapy Research

	Cottonwood - 2nd Fl	#64. High Dimensional Data Analysis in Oncology	Ronghui Xu, University of California, San Diego and Xiaochun Li, Indiana University	Xiaochun Li, Indiana University	1. Jaroslaw Harezlak*, Deming Mi, Eric Tchetgen, and Xiaochun Li 2. Michael C. Wu*, Tianxi Cai, and Xihong Lin 3. Anthony Gamst Note: *presenter	1. Indiana University, Harvard University, and Indiana University 2. Harvard University 3. University of California, San Diego	1. “Impact of the design matrix structure on the performance of LASSO And related variable selection methods” 2. “Kernel based variable selection via the garrote kernel selector” 3. “Inference for Model Risk”
	Cypress - 2nd Fl	#65. Statistical applications in computational linguistic and High dimensional data analysis	Kjell Johnson, Pfizer and Chi-Hse Teng, Amylin	Kjell Johnson, Pfizer	1. Peter V. Henstock*, Phoebe Roberts, and Raul Rodriguez-Esteban 2. Max Kuhn 3. Alan Menius Note: *presenter	1. Pfizer 2. Pfizer 3. GlaxoSmithKline	1. Identifying full documents containing kinetic parameters from only their abstracts 2. Predictive Modeling: Why Aren't We Doing Better? 3. Analysis strategies and opportunities for using combined high-dimensional data
	Cherry Room	#66. Contributed Session XII: Topics in Bioinformatics II		Dabao Zhang, Purdue University	1. Yongzhao Shao 2. Dabao Zhang	1. Iowa State University and New York University 2. Purdue University	1. An empirical Bayesian approach to sample size determination for multiple comparisons 2. Two-Dimensional Correlation Optimized Warping Algorithm for Aligning GC×GC−MS Data
2:00 p.m. - 3:40 p.m.	Aspen Room	#67. Recent Advances in the Theory and Application of Nonparametric Methods	Lijian Yang, Michigan State University	Li (Lily) Wang, University of Georgia	1. Jan Hanning 2. Chenlei Leng 3. Qiongxia Song	1. University of North Carolina, Chapel Hill 2. National University of Singapore 3. Michigan State University	1. Generalized Fiducial Inference for Wavelet Regression 2. General Adaptive Sparse Principal Component Analysis 3. Simultaneous Confidence Band for Nonlinear Additive Autoregression Model via Spline-backfitted Spline Smoothing

Hickory/Hawthorne	#68. Patient Dropout in Clinical Trials	Kun Jin and Fanhui Kong, FDA	Fanhui Kong, FDA	1. Myunghee Paik 2. Yang Xiaowei 3. Greg Soon	1. Columbia University 2. University of California, Davis 3. FDA/CDER	1. Pairwise Conditional Method for Missing Responses in Generalized Linear Mixed Model. 2. Imputation-based Strategies for Incomplete Longitudinal Data Analysis in Clinical Trials. 3. Endpoint Selection in the Presence of Missing Data.
Laurel Room	#69. Statistics in Finance	Liang Peng, Georgia Institute of Technology	Cindy L. Yu, Iowa State University	1. Cindy L. Yu 2. Wei Biao Wu 3. Ngai-Hang Chan	1. Iowa State University 2. University of Chicago 3. Chinese University of Hong Kong	1. MCMC estimation of Levy jump models using jointly stock and option prices 2. Dynamic copulas 3. Quanto Options under double Exponential jump diffusion
Oak Room	#70. Recent Development in Stability Studies	Jason Liao, Merck	Roswitha Kelly, CDER/FDA	1. Harry Yang and Lanju Zhang 2. Roswitha Kelly 3. Jason Liao	1. MedImmune Inc. 2. CDER/FDA 3. Merck	1. Bayesian Experimental Design for Stability Studies 2. Shelf Life Determination with Common Intercept 3. A Few Thoughts on Stability Studies
Polar Room	#71. Statistics in Early Drug Development	Jason Liao, Merck	Rong Liu, Merck	1. Rong Liu and Jason Liao 2. Christopher Tong 3. Harry Yang and Lanju Zhang	1. Merck 2. Merck 3. MedImmune Inc.	1. Transfer of Splitting Method on Atherosclerotic Tissue Plaque (ATP) Samples 2. Validation of Semi-automated Doppler Ultrasound Image Processing to Compute Hemodynamic Biomarkers 3. Risk Assessment of Residual Host DNA in Biological Products
Cottonwood - 2nd Fl	#72. Design and Analysis Considerations of Multiregional and Bridging Trials	Yi Tsong, CDER/FDA	Yi Tsong, CDER, FDA	1. Hsiao-hui Tsou 2. Hui Quan 3. Yoko Tanaka	1. NHRI, Taiwan 2. Sanofi-Aventis 3. Eli Lilly and Company	1. Issues of Multiregional and Bridging Trials in Taiwan 2. Sample Size Considerations of Multiregional Trials 3. Multiregional Trials

	Cypress - 2nd Fl	#73. Session title: Biopharmaceutical Safety Studies	Yi Tsong, CDER/FDA	Milton Fan, FDA	1. Chen-An Tsai and James J. Chen 2. Jie Chen 3. Karl K. Lin and Atiar Rahman	1. China Medical University and NCTR, FDA 2. Merck 3. CDER/FDA	1. Multivariate Analysis of Variance Test for Gene Set Analysis 2. Bayesian Approach of QTc Interval Prolongation Assessment 3. Recent developments in FDA Statistical Review of Carcinogenicity Studies of New Drug
7:30 a.m. - 1	**Magnolia Room**	**Symposium Organizing Executive Committee Offoce**					