Conference   Schedule

All workshop sessions meet in the room 150, College of Education Building, 30 Pryor Street, Atlanta, GA 30303.

Friday, May 5, 2017

2:00-5:30 pm   **Registration**: on the 7th Floor, College of Education Building, 30 Pryor Street.

Saturday, May 6, 2017

8:00-8:35 am   **Registration:** on the 1st Floor, College of Education Building, 30 Pryor Street.

8:35-8:45 am   **Conference Welcome**: Guantao Chen, Chair of the dept.,   Georgia State University

                          Opening Remarks: Binghe Wang, Associate Dean, College of Arts and Sciences

                          Georgia State University

8:45-9:45 am   **Session 1 (Keynote Speech): Chair:**   *Yichuan Zhao,   Georgia State University*

                          An Integrative Framework for Two-Sample Sparse Inference

                          Tony Cai,   University of Pennsylvania

9:45-10:00 am   **Break:**   Refreshments

10:00-11:50 am   **Session 2: Chair:** *Jing Zhang , Georgia State University*

Bayesian Quantile Functional Regression for Biomedical Imaging Data

Jeffrey Morris, The University of Texas M.D. Anderson Cancer Center

New ICA Methods for Brain Network Analysis Using Neuroimaging Data

Ying Guo, Emory University

Learning High-Dimensional Bayesian Networks for General Types

of Random Variables

Faming Liang, University of Florida

11:50-2:00 pm   **Lunch Time**

2:00-3:45 pm   **Session 3: Chair:**   *Matt Hayat, Georgia State University*

Microbial Composition Estimation from Sparse Count Data via a

Nuclear- norm Regularized Likelihood

Hongzhe Li, University of Pennsylvania

A Unified Framework for Fitting Bayesian Semiparametric Models

to Arbitrarily Censored Spatial Survival Data

Timothy Hanson, University of South Carolina

Regularized Estimation in Sparse Multivariate Regression with

High-dimensional Responses

Lei Liu, Northwestern University

3:45-4:00 pm   **Break:**   Refreshments

4:00-5:40 pm   **Session 4:**   **Chair:** *Xiaoyi Min, Georgia State University*

                                      Time for the Paradigm Change in Clinical Trial Design

                                      Ding-Geng (Din) Chen, University of North Carolina at Chapel Hill

                                      Balance Many Important Covariates Across Treatment Groups

                                      Feifang Hu, George Washington University

                                      Semiparametric Extensions of Mixture Models and Their Applications

                                      Weixin Yao, University of California, Riverside

5:40-5:55 pm   **Break:**   Refreshments

5:55-6:55 pm   **Poster Session**:   **Chair:**   Remus Osan, Georgia State University:

                                      Room 150, College of Education Building

7:00-9:30 pm   **Workshop Banquet:**   **Hsu's Gourmet:**

                                      192 Peachtree Center Ave NE, Atlanta, GA 30303.

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Sunday, May 7, 2017

8:00-8:30 am   **Registration**: on the 1st Floor, College of Education Building, 30 Pryor Street.

8:30-10:15 am   **Session 5:**   **Chair:**   *Yichen Cheng, Georgia State University*

Prediction and Inference under Competing Risks in High Dimension

Ronghui (Lily) Xu, University of California, San Diego

New Flexible Dependence Measure for Semi-Competing Risks Data

Limin Peng, Emory University

Dynamic Prediction through Landmark Survival Models

Liang Li, University of Texas MD Anderson Cancer Center

10:15-10:30 am   **Break:**   Refreshments

10:30-12:05pm **Session 6:** **Chair:** *Liang Li, University of Texas MD Anderson Cancer Center*

Statistical Methods for Identifying DNA Copy Number Variations Using

NGS Read-depth Data

Jie   Chen, Augusta University

Statistical Inference of High Throughput Data with Low Sample Size

Steve Qin, Emory University

Monitoring Multivariate Data via KNN Learning

Yajun   Mei, Georgia Institute of Technology

12:05-12:10pm **Award Ceremony** & **Final Remarks**: Yichuan Zhao