

# Conference Schedule

**All workshop sessions meet in the Dean’s Meeting Center, 26th Floor, and College of Arts and Sciences Event Center, 2nd Floor, 25 Park Place, Atlanta, GA 30303.**

## Friday, May 03, 2024

2:00 pm -5:30 pm **Registration:** Room 1417 on the 14<sup>th</sup> Floor, 25 Park Place, Atlanta, GA 30303

1:30 pm-5:30 pm Short Course “Tutorial on Deep Learning and Generative AI”

*Haoda Fu, Eli Lilly and Company*

Room 1441, 25 Park Place, Atlanta, GA 30303

## Saturday, May 04, 2024

8:00-8:35 am **Registration and Refreshments:** Dean’s Meeting Center, 26th Floor, 25 Park Place

8:35-8:45 am **Welcome and Opening Remarks:** Donald Hamelberg

Interim Vice President for Research &

Economic Development

Georgia State University

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

*Artificial Intelligence and Precision Health*

*Michael Kosorok, University of North Carolina at Chapel Hill*

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

10:00-11:50 am

**Session 2: Chair:** *Ruiyan Luo, Georgia State University*

*Everyday Statistician's Impact: Advancing Clinical Trials and Science in Team Environments*

*Ji-Hyun Lee, University of Florida*

*The multimodal NeuroMark pipeline and its application to assess risk for brain disorders from neuroimaging data*

*Vince Calhoun, Georgia State University*

*Navigation Algorithms for Optimal Pathfinding in Stochastic Obstacle Scene Problem*

*Elvan Ceyhan, Auburn University*

11:50-1:30 pm

**Box Lunch & Poster Set Up**

1:30-3:15 pm

**Session 3: Chair:** *Vladimir Bondarenko, Georgia State University*

*Longitudinal ordinal regression to estimate end-of-study treatment effect on an absorbing outcome*

*Jonathan Schildcrout, Vanderbilt University Medical Center*

*Le Cam meets Turing: Computationally efficient reductions between statistical models*

*Ashwin Pananjady, Georgia Institute of Technology*

*High-quantile regression for tail-dependent time series*

*Ting Zhang, University of Georgia*

3:15-3:25 pm      **Break:**    Refreshments

3:25-5:10 pm      **Session 4:**    **Chair:** *Li-Hsiang Lin, Georgia State University*  
*Integrative Factor Regression and Its Inference for*  
*Multimodal Data Analysis*  
*Quefeng Li, University of North Carolina at Chapel Hill*

*Methods for integrating data to enhance the*  
*estimation efficiency of primary data analysis*  
*Ming Wang, Case Western Reserve University*

*High-dimensional Gaussian graphical*  
*regression models with covariates*  
*Emma Zhang, Emory University*

5:10-5:20 pm      **Break:**    Refreshments

5:20-6:55 pm      **Poster Session:**    **Chair:** *Vladimir Bondarenko, Georgia State University*  
College of Arts & Sciences Event Center, 2nd Floor, 25 Park Place

7:10-9:30 pm      **Workshop Banquet:**    **Hsu's Gourmet:**  
192 Peachtree Center Ave NE, Atlanta, GA 30303

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**Sunday, May 05, 2024**

8:00-8:30 am      **Registration and Refreshments:** Dean's Meeting Center, 26th Floor, 25 Park Place

8:30-10:15 am      **Session 5:    Chair:** *Zhonghua Liu, Columbia University*

*Group Sequential Test for Two-Sample Ordinal*

*Outcome Measures*

*Yuan Wu, Duke University*

*A powerful methodology for analyzing correlated*

*high dimensional data using factor models*

*Hongyuan Cao, Florida State University*

*Regularized Bayesian varying coefficient mixed*

*models for group testing data*

*Dewei Wang, University of South Carolina*

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

10:30-12:05 pm

**Session 6: Chair:** *Kangni Alemjrodo, Georgia State University*

*Developing Non-Euclidean Methods for Statistical*

*Analysis of Neuroimaging Data: A Network Point of View*

*Hongyu Miao, Florida State University*

*Interpretable Large-Scale Testing of Composite Null Hypotheses*

*for Translational Genetics Studies in Modern Biobanks*

*Ryan Sun, MD Anderson Cancer Center*

*Robust Mendelian Randomization coupled with*

*Alphafold2 for drug target discovery*

*Zhonghua Liu, Columbia University*

12:05-12:10 pm

**Award Ceremony & Final Remarks:** Yichuan Zhao

12:10-12:45 pm

**Box Lunch**