

# 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 Martin, 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

**All workshop sessions meet in the Dean's Meeting Center, 26th Floor, 25 Park Place**

**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:** *Yanqing Wang, 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**