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 05, 2023

2:00 pm -5:30 pm Registration: Room 1420 on the 14th Floor, 25 Park Place, Atlanta, GA 30303

Saturday, May 06, 2023

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:	Alexandra Smirnova
		Chair, Department of Mathematics and Statistics
		Georgia State University
8:45-9:45 am	Session 1 (Keynote Speech): Cl	hair: Yichuan Zhao, Georgia State University
Genomic Risk Prediction: Algorithms, Fairness, and Applicati		
	Nilanjan Chatter	jee, Johns Hopkins University

9:45-10:00 am Break: Refreshments

Session 2: Chair: Ruiyan Luo, Georgia State University Heterogeneous network analysis of disease clinical treatment outcomes via mining electronic medical record data Shuangge Ma, Yale School of Public Health

> Image Analysis and Machine Learning for Multi-dimensional Tumor Microenvironment Characterization Jun Kong, Georgia State University

Counteracting selection bias and improving statistical power in functional connectivity studies of autism Benjamin Risk, Emory University

11:50-1:30 pmBox Lunch & Poster Set Up

1:30-3:15 pm Session 3: Chair: Vladimir Bondarenko, Georgia State University

Bayesian spatial binary regression for label fusion in structural neuroimaging

Andrew Brown, Clemson University

Causal inference with networked treatment diffusion Weihua An, Emory University

Towards optimal rerandomization: a reconciliation between randomized and optimal designs Xinran Li, University of Illinois

3:15-3:25 pm	Break: Refreshment	Refreshments	
3:25-5:10 pm	Session 4: Chair: 1	anqing Wang, Georgia State University	
	Multilaye	er exponential family factor models for	
	integrati	ve analysis and learning disease progression	
	Yuanjia	Wang, Columbia University	
	Point processes with event timing uncertainty		
	Yao Xie,	Georgia Institute of Technology	
	Movemo	ent of asymptomatic cases shaped the first provincial	
	outbrea	k of SARS-CoV-2 in China	
	Yang Ya	ng, University of Georgia	

5:10-5:20 pm	Break: Refreshmen	ts
5:20-6:55 pm	Poster Session: Chair:	: Vladimir Bondarenko, Georgia State University
	Colleg	e 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 07, 2023

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: Sherry Wang, University of Texas at Arlington	
	Applications of graph neural networks in single-cell data analyses	
	Dong Xu, University of Missouri, Columbia	
	Knowledge-guided machine learning with time-to-	
	event outcomes and longitudinal predictors	
	Colin Wu, National Institutes of Health	
	Hierarchical classification for large scale learning	
	Adrian Barbu, Florida State University	

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

10:30-12:05 pm Session 6: Chair: Xinran Li, University of Illinois

MetaNorm: incorporating meta-analytic priors into normalization of NanoString nCounter data

Sherry Wang, University of Texas at Arlington

Cox regression is robust to inaccurate EHR-extracted event time: an application to EHR-based GWAS Cindy Chen, Vanderbilt University

Bayesian framework for simultaneous registration and estimation of noisy, sparse, and fragmented functional data Sebastian Kurtek, The Ohio State University

12:05-12:10 pm

Award Ceremony & Final Remarks: Yichuan Zhao

12:10-12:45 pm

Box Lunch