



MSSISS 2021

Official Schedule: Thursday, February 25th

Recurrent Zoom Meeting ID: [979 7179 8346](#) / Poster Session on [Gather town](#)

1:00 – 1:05pm Welcoming Remarks ([Zoom](#)) (Moderator: Yijun Li)

1:05 – 2:00pm Speed Oral Presentations ([Zoom](#)) (Moderator: Ziping Xu)

Emily Roberts, Department of Biostatistics (1:05 - 1:10pm)

Validating Surrogate Endpoints with Longitudinal Outcomes

Charlotte Z Mann, Department of Statistics (1:10 - 1:15pm)

Derivation and external validation of a simple risk score to predict in-hospital mortality in patients hospitalized for COVID-19

Debarghya Mukherjee, Department of Statistics (1:15 - 1:20pm)

On the efficient estimation of Regression Discontinuity Design in presence of confounding factors

Sijia Geng, Department of EECS (1:25 - 1:30pm)

A Data-Driven Approach for Self-Tuning of Power System Stabilizer Using Graph Neural Network

Yijun Li, Department of Biostatistics (1:30 - 1:35pm)

Evaluating Data Integration Tools on Clustering Spatial Transcriptomics Data

Fatema Shafie Khorassani, Department of Biostatistics (1:35 - 1:40pm)

Incorporating Patient Subgroups in Surrogate Paradox Measures

Advaidh Venkat, Department of IOE (1:40 - 1:45pm)

Evaluating Patient Triage Strategies for Non-Emergency Outpatient Procedures Under Reduced Capacity Due to the COVID-19 Pandemic

Alexander Ritchie, Department of EECS (1:45 - 1:50pm)

Consistent Estimation of Identifiable Nonparametric Mixture Models from Grouped Observations

2:00 – 3:00pm Poster Session I + Speed Presentation Poster Session ([Gather town](#))

3:00 – 4:50pm Oral Presentations I ([Zoom](#)) (Moderator: Zeyu Sun)

Yiwang Zhou, Department of Biostatistics (3:00 - 3:20pm)

Synergistic Self-Learning Approach to Establishing Personal Nutrition Intervention Schemes from Multiple Benefit Outcomes in a Calcium Supplementation Trial

Xubo Yue, Department of IOE (3:20 - 3:40pm)

R'enyi Variational Inference for Gaussian Processes: Towards Enabling Regularization Tuning

Wenbo Wu, Department of Biostatistics (3:40 - 4:00pm)

Analysis of Readmissions Data Taking Account of Competing Risks

Daiwei Zhang, Department of Biostatistics (4:00 - 4:20pm)

Image-on-Scalar Regression via Neural Networks

Yujia Pan, Department of Statistics (4:20 - 4:40pm)

Separating and integrating latent variables for improved classification of genomic data

4:50 – 5:55pm Michigan Junior Faculty Keynote ([Zoom](#)) (Moderator: Seokhyun Chung)

Assistant Professor Raed AI Kontar, Department of IOE, University of Michigan

Predictive Analytics for IoT Enabled Systems

5:55 – 6:30pm Closing Remarks ([Zoom](#)) (Moderator: Seokhyun Chung)

Official Schedule: Friday, February 26th

Recurrent Zoom Meeting ID: [979 7179 8346](#) / Poster Session on [Gather town](#)

8:55 – 9:00am Welcoming Remarks ([Zoom](#)) (Moderator: Xinyu Zhang)

9:00 – 10:40am Oral Presentations II ([Zoom](#)) (Moderator: Xinyu Zhang)

Peter MacDonald, Department of Statistics (9:00 - 9:20am)

Latent space models for multiplex networks with shared structure

Robert P Malinas, Department of EECS (9:20 - 9:40am)

Space-Time Adaptive Detection at Low Sample Support

Emily Morris, Department of Biostatistics (9:40 - 10:00am)

Scalar on Network Regression via Boosting

Michael Law, Department of Statistics (10:00 - 10:20am)

Functional Data Analysis with Ultra High-Dimensional Covariates

Tian Gu, Department of Biostatistics (10:20 - 10:40am)

A Bayesian stacked imputation framework for extended regression inference in data integration

10:50 – 11:50am Poster Session II ([Gather town](#))

12:00 – 1:30pm Lunch Break

1:30 – 3:10pm Oral Presentations III ([Zoom](#)) (Moderator: Yijun Li)

Xinyu Zhang, Program in Survey Methodology (1:30 - 1:50pm)

A Multivariate Stopping Rule for Survey Data Collection

Guangyu Yang, Department of Biostatistics (1:50 - 2:10pm)

Estimation of Knots in Linear Spline Model

Zihong Yi, Department of IOE (2:10 - 2:30pm)

A Multi-batch L-BFGS Method with Variance Reduction: Theory and Experiments

Daniel Kessler, Department of Statistics (2:30 - 2:50pm)

Inference post Selection of Group-sparse Regression Models

Drew Yarger, Department of Statistics (2:50 - 3:10pm)

ArgoSSM: A Bayesian state-space framework for predicting the location of oceanographic sensors in the Southern Ocean

3:10 – 4:00pm Keynote Address ([Zoom](#)) (Moderator: Yijun Li)

Professor Xihong Lin, Harvard University

Learning from COVID-19 Data on Transmission, Health Outcomes, Interventions and Vaccination

4:00 – 4:30pm Student Awards and Closing Remarks ([Zoom](#)) (Moderator: Zeyu Sun)