

MSSISS 2017

Michigan Student Symposium for Interdisciplinary Statistical Sciences

Thursday, March 23

Michigan League, 2nd floor

Vandenburg Room

- 5:00 – 5:30** **Registration**
- 5:30 – 5:35** **Welcoming Remarks**
- 5:35 – 6:10** **Speed Oral Presentations**
Data Challenge Prediction Team
Data Challenge Visualization Team
Ai Rene Ong, Department of Survey Methodology
Attrition Patterns in the Health and Retirement Study: Does it Matter?
Diptavo Dutta, Department of Biostatistics
Multi-SKAT: A general framework to test cross-phenotype effects of rare-variants
Jingshen Wang, Department of Statistics
Inference for average treatment effect after model selection
Alex Wenz, Department of Survey Methodology
Willingness to use mobile technologies for data collection in a probability household panel
Elizabeth Hou, Department of EECS
Latent Laplacian Maximum Entropy Discrimination for Detection of High-Utility Anomalies
Corbin Quick, Department of Biostatistics
Cost-effective strategies for rare variant association studies in the age of large reference panels
Greg Hunt, Department of Statistics
Cell Type Deconvolution: A New Model
Arya Farahi, Department of Physics
On the Search for Lead Pipes in Flint
- 6:10 – 7:00** **Undergraduate and Speed presentation Poster session and Appetizers**
- 7:00 – 7:45** **Michigan Junior Faculty Keynote**
Assistant Professor Eric Schwartz, University of Michigan
- 7:45 – 8:00** **Closing Remarks**

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Friday, March 24

Rackham Graduate Building, 4th floor

- 8:30 – 8:55** **Registration and Breakfast** (Assembly Hall)
- 8:55 – 9:00** **Welcoming Remarks** (Amphitheater)
- 9:00 – 10:00** **Oral Presentations I** (Amphitheater)
Evan Reynolds, Department of Biostatistics
SVM-CART for Disease Classification
Micha Fischer, Department of Survey Methodology
The Impact of Interviewer Effects on Regression Coefficients
Boang Liu, Department of Statistics
Model-based community detection for networks with node covariates
- 10:00 – 11:00** **Poster Session I and Refreshments** (East Conference Room/Assembly Hall)
- 11:00 – 12:00** **Oral Presentations II** (Amphitheater)
Thomas Ying-Jeh Chen, Department of IOE
Drinking Water Infrastructure, Statistical Modelling
Felicitas Mittereder, Department of Survey Methodology
Predicting Breakoff in Web Surveys
Tingting Zhou, Department of Biostatistics
Penalized Spline of Propensity Methods for Treatment Comparison
- 12:00 – 1:15** **Poster Session II and Lunch** (Assembly Hall)
- 1:15 – 2:15** **Oral Presentations III** (Amphitheater)
Morteza Noshad, Department of EECS
Direct Estimation of Information Divergence Using Nearest Neighbor Ratios
Mikhail Yurochkin, Department of Statistics
Multi-way Interacting Regression via Factorization Machines
Selin Merdan, Department of IOE
Data Analytics for Optimal Staging Decisions for Newly-Diagnosed Prostate Cancer Patients
- 2:15 – 3:00** **Poster Session III and Coffee Break** (West Conference Room/Assembly Hall)
- 3:00 – 4:00** **Keynote Address** (Amphitheater)
Professor Dimitris Bertsimas, Massachusetts Institute of Technology
- 4:00 – 4:10** **Closing remarks and Student Awards** (Amphitheater)
- 4:10 – 5:00** **Refreshments** (Assembly Hall)