

The 2018 Classification Society Annual Meeting Program

Stony Brook University, Stony Brook, New York, USA, June 20–23, 2018

Specific locations:

- The Welcome Reception will be held at the Hilton Garden Inn, 1 Circle Road, Stony Brook, NY.
- The Conference will be in the *Charles B. Wang Center*.
- Presentations will be held in Lecture Hall 2.
- Registration Booth, Coffee Breaks, and Poster Session will be held in the Chapel.
- The Banquet will be held at Simons Center Café, Second Floor of the *Simons Center for Geometry and Physics*.
- Breakfast will be provided in the Chapel each day at 8:00am.

Wed., June 20

6:00pm **Welcome Reception** Location: Hilton Garden Inn

Thurs., June 21

8:00am Registration
- Breakfast Foods Available

8:50am **Opening Remarks**
Sacha Kopp, Dean, College of Arts and Sciences, Stony Brook University
Paul McNicholas, President, Classification Society

9:10am **President's Invited Address** Chair: Paul McNicholas
Modeling and Clustering of Networks with Textual Edges
Charles Bouveryon, Université Côte d'Azur, France

10:10am Coffee Break

10:30am **Contributed Session 1** Chair: Sanjeena Dang
sARI: A soft agreement measure for class partitions incorporating assignment probabilities
Abby Flynt, Bucknell University, USA
Incorporating Sociodemographic Transitions and Family Structure into Historical Record Linkage
Kayla Frisoli, Carnegie Mellon University, USA
Clustering Gaussian Processes
Forrest Paton, McMaster University, Canada

12:00pm Lunch Break
Note: Lunch not provided.

1:30pm **Invited Lecture** Chair: Stanley Sclove
Outlier Detection in Model-Based Cluster Analysis
Tanzy Love, University of Rochester, USA

2:30pm Coffee Break

2:50pm **Distinguished Dissertation Award Session** Chair: Stephen France
Dimension Reduction with non-Gaussian Mixtures
Yang Tang, McMaster University, Canada
Advances in Model-based Clustering and Classification of Complex Data
Michael Fop, University College Dublin, Ireland

3:50pm **Poster Session**
Sponsors: Department of Anthropology
Department of Applied Mathematics and Statistics
Department of Ecology and Evolution

6:00pm Shuttle to Port Jefferson for Dinner and Drinks
- Bus Departs Campus at 6:00pm
- Bus Returns to Campus at 10:00pm

Friday, June 22

- 8:00am Breakfast Foods Available Location: The Chapel
- 8:30am **President's Address** Chair: Abby Flynt
Selected Problems in Classification
 Paul McNicholas, McMaster University, Canada
- 9:30am Coffee Break
- 9:50am **Invited Lecture** Chair: Jeff Andrews
Finding the Hidden Link: Statistical Methods for Multi-Source High-Dimensional Data
 Katrijn Van Deun, Tilburg University, The Netherlands
- 10:50am **Invited Session on Clustering: Recent Advances and Historical Context** Chair: Brian Franczak
Clustering skewed data using mixtures of multivariate normal-inverse Gaussian distributions using a Bayesian framework
 Sanjeena Dang, Binghamton University, USA
From Histograms to Clusters to Predictive Distributions
 Stanley Sclove, University of Chicago at Illinois, USA
- 11:50pm Lunch Break
Classification Society Board Meeting
 Note: Lunch not provided.
- 1:20pm **Invited Lecture** Chair: Jim Rohlf
On Matrix Mixture Modelling and Model-based Clustering
 Volodymyr Melynkov, The University of Alabama, USA
- 2:20pm Coffee Break
- 2:40pm **Contributed Session 2** Chair: Volodymyr Melnykov
Clustering, Outlier Detection, and Visualization for High-Dimensional Data
 Angelina Pesevski, McMaster University, Canada
Interdisciplinary Approaches to Automated Obstructive Sleep Apnea Diagnosis through High-dimensional Multiple Scaled Data Analysis
 Xu (Sunny) Wang, Wilfred Laurier University, Canada
Finite Mixtures of Skewed Matrix Variate Distributions
 Michael Gallagher, McMaster University, Canada
- 4:10pm **Classification Society General Meeting**
- 6:00pm Banquet Location: Simons Center Café
 - Appetizers and Drinks at 6:00pm
 - Dinner from 6:30pm - 9:00pm

Saturday, June 23

- 8:00am Breakfast Foods Available Location: The Chapel
- 9:00am **Invited Session on Applications of Classification** Chair: Sunny Wang
Overlapping Clustering: A Framework, Software, Empirical Analysis, and Applications
 Stephen France, Mississippi State University, USA
Clustering and Classification of Ideological Writings by Saliency and Valence of Core Values
 Justin Gross, University of Massachusetts Amherst, USA
- 10:00am Coffee Break
- 10:20am **Contributed Session 3** Chair: Herbie Lee
Detecting Data Analysis Patterns in Text and Graphs to Characterize Student Learning in an Introductory Statistics & Data Science Course
 Ron Yurko, Carnegie Mellon University, USA
Clustering Discrete Valued Time Series

11:50am

Closing Remarks