

Classification Society 2015 Program

McMaster University, Hamilton, Ontario, Canada, June 3rd – 6th, 2015

Registration and coffee breaks are in Hamilton Halls' Math Cafe

All talks are in Hamilton Hall 305 Banquet at Royal Botanical Gardens, Burlington, Ontario

Wednesday, June 3

5:30pm	Shuttle leaves Sheraton Hotel for McMaster University	
6:00pm	Welcome BBQ	McMaster University Club
9:30pm	Shuttle leaves McMaster University for Sheraton Hotel	

Thursday, June 4

8:00am	Shuttle leaves Sheraton Hotel for McMaster University	
8:30am	Registration	HH Math Cafe
8:50am	Opening Remarks Robert Baker, Dean, Faculty of Science Douglas Steinley, President, Classification Society	
9:10am	President's Invited Address <i>MULTILEVEL LATENT MARKOV MODELLING IN CONTINUOUS TIME, WITH AN APPLICATION TO THE ANALYSIS OF AMBULATORY MOOD ASSESSMENT DATA</i> Jeroen Vermunt, Tilburg University	Chair: Doug Steinley
10:10am	Coffee Break	HH Math Cafe
10:30am	Contributed Session 1 <i>MIXTURE OF LATENT TRAIT MODELS WITH THE CONTAMINATED GAUSSIAN DISTRIBUTIONS</i> Yang Tang, McMaster University <i>USING COHEN'S KAPPA FOR COMMUNITY DETECTION IN SOCIAL NETWORKS</i> Michaela Hoffman, University of Missouri at Columbia <i>VARIABLE SELECTION FOR SKEWED MODEL-BASED CLUSTERING: REVEALING NOVEL SLEEP PHENOTYPES</i> Meredith Wallace, University of Pittsburgh	Chair: Abby Flynt
12:00pm	Lunch Break	
1:30pm	Invited Lecture on Psychometrics <i>CLUSTERING HETEROGENEOUS SAMPLES DURING MODEL SELECTION</i> Katie Gates, University of North Carolina at Chapel Hill	Chair: Jeroen Vermunt
2:30pm	Coffee Break	
2:50pm	CS Distinguished Dissertation Award Session <i>CLUSTERWISE & SWITCHING COMPONENT MODELS FOR MODELING BETWEEN-& WITHIN-BLOCK STRUCTURAL DIFFERENCES IN MULTIVARIATE MULTIBLOCK DATA</i> Kim De Roover, KU Leuven <i>NON-ELLIPTICAL & FRACTIONALLY-SUPERVISED CLASSIFICATION</i> Irene Vrbik, McGill University	Chair: Stanley Sclove
4:00pm	Poster Session	McMaster University Club
5:45pm	Shuttle leaves McMaster University for Sheraton Hotel	
7:00pm	Social	
Friday, June 5		
7:55am	Shuttle leaves Sheraton Hotel for McMaster University	
8:30am	President's Address <i>ADVANCES AND NEW ROLES FOR PARTITION AGREEMENT</i> Doug Steinley, University of Missouri at Columbia	Chair: Herbie Lee
9:30am	Coffee Break	HH Math Cafe

9:50am	Invited session on 50 years of the Classification Society <i>SOME REFLECTIONS ABOUT THE EARLY YEARS</i> James Rohlf, Stony Brook University <i>THE CLASSIFICATION SOCIETY: THE FIRST FIFTY YEARS</i> Stanley Sclove, University of Illinois at Chicago <i>THE JOURNAL OF CLASSIFICATION: THE FIRST THIRTY YEARS</i> Willem Heiser, Leiden University	Chair: Arthur Kendall
10:50am	Invited Lecture on Big Data <i>TOWARDS A NEW SCIENCE OF BIG DATA ANALYTICS, BASED ON THE GEOMETRY & THE TOPOLOGY OF COMPLEX, HIERARCHIC SYSTEMS</i> Fionn Murtagh, Goldsmiths, University of London and University of Derby	Chair: Paul McNicholas
11:50pm	Lunch Break Classification Society Board Meeting	HH 207
1:20pm	Invited Lecture on Classification Methodology <i>MODEL-BASED CLUSTERING OF CATEGORICAL DATA BY RELAXING CONDITIONAL INDEPENDENCE</i> Vincent Vandewalle, University Lille 2	Chair: Brian Franczak
2:20pm	Coffee Break	
2:40pm	Contributed Session 2 <i>A HIDDEN TRUNCATION HYPERBOLIC DISTRIBUTION</i> Paula Murray, McMaster University <i>NEW APPROACHES FOR PREDICTION & INFERENCE WITH CLASSIFICATION TREE ENSEMBLES</i> Samuel Ventura, Carnegie Mellon University <i>MODEL SELECTION IN GAUSSIAN MIXTURE MODELING: A COMPARISON OF 21 FIT STATISTICS</i> Emilie Shireman, University of Missouri at Columbia	Chair: Salvatore Ingrassia
4:10pm	Classification Society General Meeting	HH 305
5:00pm	Shuttle leaves McMaster for RBG (Tour and Banquet)	
5:10pm	Shuttle leaves McMaster for Sheraton Hotel	
6:00pm	Shuttle leaves Sheraton Hotel for RBG (Tour and Banquet)	
10:00pm	Shuttle leaves RBG for Sheraton Hotel	
10:30pm	Shuttle leaves Sheraton Hotel for McMaster University	
Saturday, June 6		
8:20am	Shuttle leaves Sheraton Hotel for McMaster University	
9:00am	Invited Session on Classification Methodology <i>OPTIMIZATION UNDER CONSTRAINTS BY APPLYING ASYMMETRIC ENTROPY MEASURE</i> Hebert Lee, University of California, Santa Cruz <i>UNSUPERVISED LEARNING MIXTURES WITH COVARIATES FROM INCOMPLETE DATA</i> Salvatore Ingrassia, University of Catania	Chair: Cristina Tortora
10:30am	Coffee Break	HH Math Cafe
10:50am	Contributed Session 3 <i>UNSUPERVISED LEARNING VIA MIXTURES OF SKEWED DISTRIBUTIONS WITH HYPERCUBE CONTOURS</i> Brian Franczak, McMaster University <i>MULTIVARIATE STOCHASTIC PROCESS MODELS: JOINT REGRESSION & CLASSIFICATION</i> Tony Pourmohamad, University of California, Santa Cruz <i>GENETIC ALGORITHMS FOR FINDING BRAIN CONNECTIONS WHICH DISTINGUISH DISEASE</i> William Shannon, University of Washington in St. Louis	Chair: Stephen France
12:20pm	Closing Remarks	
12:45pm	Shuttle leaves McMaster for Sheraton Hotel	