8th New Researchers Conference
Schedule of Talks

• Session 1 (9:00–10:15 Wednesday 8/3) Chair: Johanna Hardin

1. Liang Li
   Cleveland Clinic Foundation
   lli@bio.ri.ccf.org
   Some Measurement Error Models with Complicated Error Structures

2. Wenbin Lu
   North Carolina State University
   wlu4@stat.ncsu.edu
   Marginal Regression of Multivariate Event Times Based on Linear Transformation Models

3. Zeng-Hua Lu
   University of South Australia
   Zen.Lu@unisa.edu.au
   A Mixture Model of Heterogeneous Covariates with an Application to the Censored Dependent Variable

4. Damla Senturk
   The Pennsylvania State University
   dsenturk@stat.psu.edu
   Covariate Adjusted Regression

5. Ayrin Molefe
   University of Central Arkansas
   calachan@yahoo.com
   An Extension of the Neyman-Johnson Technique to Binary Regression

6. Jeffrey Thompson
   North Carolina State University
   thompson@stat.ncsu.edu
   Estimation of Generalized Simple Measurement Error Models with Instrumental Variables
• Session 2 (10:45–12:00 Wednesday 8/3) Chair: Murali Haran

1. John Aston
   Institute of Statistical Science Academia Sinica
   jaston@stat.sinica.edu.tw
   Waiting Time Distributions for Runs and Patterns in Higher Order Markovian Sequences

2. Antar Bandyopadhyay
   Chalmers University of Technology
   antar@math.chalmers.se
   Recursive Distributional Equations : Application to Hard-Core Model on Random Graphs

3. John Beam
   University of Wisconsin Oshkosh
   beam@uwosh.edu
   Expectations for Coherent Probabilities: Defining the Integral

4. Gabriel Chandler
   Connecticut College
   gabriel.chandler@conncoll.edu
   Classification of Locally Stationary Time Series via the Excess Mass Functional

5. George Kordzakhia
   University of California, Berkeley
   kordzakh@stat.Berkeley.EDU
   Stochastic spatial models of species competition and predator-prey interactions

6. Arni SR Srinivasa Rao
   University of Guelph
   arnirao@uoguelph.ca
   Limit theorems approach in epidemic reporting and virus dynamics
• Session 3 (14:00–15:15 Wednesday 8/3) Chair: Damla Senturk

1. Kimberly Drews
   Texas A & M University
   kdrews@stat.tamu.edu
   A Likelihood Based Approach to the Analysis of Coordinated Response Among Colonic Crypts

2. Chiu-Hsieh Hsu
   University of Arizona
   phsu@azcc.arizona.edu
   Joint Modeling of Recurrence and Progression of Adenomas: A Latent Variable Approach

3. John Kern
   Duquesne University
   kern@mathcs.duq.edu
   Bayesian Modeling Strategies for Longitudinal Frequency Data

4. Dacheng Liu
   University of Rochester
   dliu@bst.rochester.edu
   Mixed-effects state space models

5. Brian Smith
   The University of Iowa
   brian-j-smith@uiowa.edu
   Statistical Issues in the Study of Residential Radon

6. Hongtu Zhu
   Columbia University and New York State Psychiatric Institute
   zhuh@childpsych.columbia.edu
   Latent Variable Models and NeuroInformatics
Session 4 (9:00–10:15 Thursday 8/4) Chair: Galin Jones

1. Jose Blanchet  
   Harvard University  
   blanchet@fas.harvard.edu  
   Approximations and Computational Algorithms in Stochastic Modeling

2. Brian Caffo  
   Johns Hopkins University  
   bcaffo@jhsph.edu  
   Statistical reconstruction algorithms in SPECT imaging

3. Samantha Cook  
   Columbia University  
   cook@stat.columbia.edu  
   Validation of Software for Bayesian Models using Posterior Quantiles

4. Murali Haran  
   The Pennsylvania State University  
   mharan@stat.psu.edu  
   Monte Carlo for spatial models: two issues and some relevant methodology

5. Johan Lim  
   Texas A & M  
   johanlim@stat.tamu.edu  
   Function Estimation with Shape or Order Constraints

6. Junni Zhang  
   Peking University  
   zjn@gsm.pku.edu.cn  
   Causal Inference, Sequential Monte Carlo and Clustering
Session 5 (10:45–12:00 Thursday 8/4) Chair: Brian Caffo

1. Pankaj K. Choudhary
   University of Texas at Dallas
   pankaj@utdallas.edu
   Assessment of Agreement Using Tolerance Intervals

2. Yongchao Ge
   Mount Sinai School of Medicine
   Yongchao.Ge@mssm.edu
   An Upper Confidence Bound of the False Discovery Proportion

3. Mark Inlow
   Rose-Hulman Institute of Technology
   inlow@rose-hulman.edu
   New Goodness-of-Fit/Goodness-of-Link Smooth Tests

4. Woncheol Jang
   Duke University
   wjang@stat.duke.edu
   Uniform Confidence Sets for Densities

5. Jiashun Jin
   Purdue University
   jinj@stat.purdue.edu
   Sparse Inference in Large Scale Multiple Comparisons and False Discovery Rate Thresholding

6. Jin Wang
   Northern Arizona University
   Jin.Wang@NAU.EDU
   On Peakedness, Kurtosis, and Tailweight
- Session 6 (15:30–16:45 Thursday 8/4) Chair: Lexin Li

1. Yajun Mei  
Fred Hutchinson Cancer Research Center  
ymei@fhcrc.org  
Change-point problems and information fusion

2. Claude Messan Setodji  
RAND  
setodji@rand.org  
Multivariate variable reduction and applications

3. Russell Stocker  
Mississippi State University  
rstocker@math.msstate.edu  
Some Results Concerning A General Class of Parametric Models for Recurrent Event Data

4. Antai Wang  
Georgetown University  
av94@georgetown.edu  
Parameter Estimation in Bivariate Copula Models

5. Haonan Wang  
Colorado State University  
wanghn@stat.colostate.edu  
Object oriented data analysis: sets of trees

6. Gideon Zamba  
The University of Iowa  
GZamba@mail.public-health.uiowa.edu  
Quality Control Techniques for Disease Monitoring: An example in the Area of Syndromic Surveillance
• Session 7 (9:00–10:00 Friday 8/5) Chair: Jeffrey Thompson

1. Kevin Gross
   North Carolina State University
gross@stat.ncsu.edu
   Estimating abundances from count data for species with discrete generations

2. Samantha Bates Prins
   Virginia Tech
sbates@vt.edu
   Scaling by Reference Conditions for Ecological Assessment

3. George Sirbu
   Bentley College
GSIRBU@bentley.edu
   Optimizing Adaptive Design with Covariates

4. Patrick J. Wolfe
   Harvard University
patrick@deas.harvard.edu
   A Bayesian Approach to Imputation of Missing Data Values in Audio Time Series

• Session 8 (10:50–11:50 Friday 8/5) Chair: Peter Craigmile

1. Amelia M. Haviland
   RAND
haviland@rand.org
   Causal Inferences with Group Based Trajectory Models

2. Aleksandra B. Slavkovic
   The Pennsylvania State University
sesa@stat.psu.edu
   Statistical Disclosure Limitation Beyond the Margins

3. Elizabeth Stuart
   Mathematica
EStuart@Mathematica-Mpr.com
   Matching with multiple control groups and adjusting for differences between the groups

4. Donglin Zeng
   University of North Carolina
dzeng@bios.unc.edu
   General Transformation Hazard Models in Survival Analysis
Session 9 (9:00–10:00 Saturday 8/6) Chair: Aleksandra Slavkovic

1. Swati Biswas
   The University of Texas-MD Anderson Cancer Center
   sbiswas@mdanderson.org
   Modeling Locus Heterogeneity in Linkage Analysis

2. Xueli Liu
   University of Florida
   xueli@stat.ufl.edu
   Detecting Differentially Expressed Time Course Gene Expression Profiles

3. Jing Qiu
   University of Missouri
   qiujiang@missouri.edu
   Sharp Simultaneous Intervals for the Means of Selected Populations with Application to Microarray Data Analysis

4. Heather Turner
   The University of Warwick
   Heather.Turner@warwick.ac.uk
   Clustering Microarray Data

5. Jing Wu
   Purdue University
   jingwu@stat.purdue.edu
   Improving the Specificity of Gene Prediction Using Genomic Homology

Session 10 (11:30–12:30, Saturday 8/6) Chair: Gideon Zamba

1. Tatiyana V. Apanasovich
   Cornell University
   tanya@orie.cornell.edu
   Semiparametric Spatial Modeling of Binary Outcomes

2. Michael Levine
   Purdue University
   mlevins@stat.purdue.edu
   Variance Estimation in Nonparametric Regression – A Possible Approach

3. Lexin Li
   University of California, Davis
   lexli@ucdavis.edu
   Sufficient Dimension Reduction in High-dimensional Data
4. Anna Liu  
   University of Massachusetts Amherst  
   anna@math.umass.edu  
   Hypothesis Testing in Smoothing Spline Models

5. Richard Samworth  
   Cambridge University  
   R.J.Samworth@statslab.cam.ac.uk  
   First order properties of k-nearest neighbor and bagged nearest-neighbor classifiers