

2025 ASA Annual Florida Chapter Meeting Schedule

Date: February 7-8, 2025

Location: UCF Teaching Academy (TA) 130, 202B, and 203
(Please Note: Food allowed in 130, but NOT in 202B and 203)

Day 1: February 7, 2025 (Friday)

- 8:00-8:50** **Registration and breakfast** (Bagels, coffee, tea provided)
(TA Lobby)
- 8:50-9:05** **Opening and Welcome Remarks** (Dr. Shunpu Zhang, University of Central Florida)
(TA 130)
- 9:10-10:00** **Plenary Talk** (Dr. Ji-Hyun Lee, University of Florida) (Chair: Suyeon Kang)
(TA 130)
Title: “*Unpacking my own questions: Statistical leadership and professional service*”
Keywords: Statistical Leadership, Everyday Impact, Professional Journey, ASA
- 10:00-10:10** **Break and Networking**
- 10:10-11:10** **Invited Session I** (Chair: Nizam Uddin)
(TA 130)
- 10:10-10:30: “*Some Results in Learning Robust Predictive Models*”, Chudamani Poudyal, University of Central Florida
 - 10:30-10:50: “*Statistical Mechanics of Complex Systems and Sampling Grammars*”, Alexander V. Mantzaris, University of Central Florida
 - 10:50-11:10: “*Posterior consistency in multi-response regression models with non-informative priors for the error covariance matrix in growing dimensions*”, Partha Sarkar, Florida State University
- 11:10-11:20** **Break and Networking**
- 11:20-12:20** **Invited Session II** (Chair: Edgard Maboudou)
(TA 130)
- 11:20-11:40: “*Fast Variational Inference of Latent Space Models for Dynamic Networks Using Bayesian P-Splines*”, Joshua Loyal, Florida State University
 - 11:40-12:00: “*Consistency of empirical distributions of sequences of graph statistics in networks with dependent edges*”, Jonathan Stewart, Florida State University
 - 12:00-12:20: “*Efficient Analysis of Latent Spaces in Heterogeneous Networks*”, Jiajin Sun, Florida State University
- 12:20-1:40** **Lunch Break**
(Lunch provided from Qdoba)
- 1:40-2:40** **Keynote Talk** (Dr. Jianqing Fan, Princeton University) (Chair: Hsin-Hsiung Bill Huang)
(TA 130)
Title: “*FAST-NN for Big Data Modeling and Nonparametric Variable Selection*”
- 2:40-2:50** **Break and Networking** (Afternoon tea, coffee, cookies provided)
(Please Note: Food NOT allowed in 202B and 203)

2:50-3:20 Contributed Talk Parallel Session I

Session I-A (TA 202B) (Chair: Mengyu Xu)

- 2:50-3:00: “*Least Square One Class Graph Neural Network for Anomaly Detection in Attributed Networks*”, Emil Agbemade, University of Central Florida
- 3:00-3:10: “*One-Class Classification of Neural Networks*”, Poorna Sandamini Senaratne, University of Central Florida
- 3:10-3:20: “*Sample Size Estimation Using GEE for Longitudinal Slopes with Varying Follow-up Time Points*”, Yimiao Pang, University of Florida

Session I-B (TA 203) (Chair: Rui Xie)

- 2:50-3:00: “*Refined methods for trial sequential analyses in living systematic reviews*”, Yipeng Wang, University of Florida
- 3:00-3:10: “*Spatial GEV Regression*”, Mahlon Scott, University of Central Florida
- 3:10-3:20: “*Identifying Variable Genes in Single Cell and Spatial Sequencing Data via Bayesian Inference*”, John Leary, University of Florida

3:20-3:30 Break and Networking

3:30-4:00 Contributed Talk Parallel Session II

Session II-A (TA 202B) (Chair: Hanqin Cai)

- 3:30-3:40: “*Penalized Linear Models for Highly Correlated Immunophenotyping Data*”, Xiaoru Dong, University of Florida
- 3:40-3:50: “*Convolutional Sparse Kronecker Product Decomposition (SKPD), a Generalized Model for SKPD Regression, Applied to Open Access Series of Imaging Studies (OASIS) Data for Detection of Alzheimer*”, Joshua White, University of Central Florida
- 3:50-4:00: “*Robust Estimation of Linking Coefficients Using Quantile Regression in the Graded Response Model*”, Ibrahim Almansour, University of Central Florida

Session II-B (TA 203) (Chair: Jongik Chung)

- 3:30-3:40: “*Random Effects Meta-Analysis When the Studies Use Multiple Regression Models with Different Sets of Covariates*”, Jaewoong Joo, University of Florida
- 3:40-3:50: “*Variable Selection and Classification in Forensic Science Literature Using Mt-MBSP with Error Bound Validation*”, Amir Alipour Yengejeh, University of Central Florida
- 3:50-4:00: “*Three-Dimensional Statistical Reconstruction for Positronium Lifetime Imaging Using Time-of-Flight PET*”, Berkin Uluutku, University of Central Florida

4:00-4:10 Break and Networking

4:10-5:00 (TA 130) Poster Session

- “*Deep Learning-Augmented Robust Matrix Completion for Cloud Removal in Satellite Imagery*” (Chandra Kundu, University of Central Florida)
- “*Heterogeneous Sufficient Dimension Reduction and Subspace Clustering*” (Lei Yan, Florida State University)

- “*Identification of Socio-demographic Determinants Causing to Child Malnutrition Age 0-5 Years in Household Level, Bangladesh: Penalized Approaches*” (Md Mehedi Hasan Bhuiyan, University of Central Florida)
- “*Visualizing Sex Education in Post Roe v. Wade*” (Jonzelle Bell, University of Central Florida)
- “*Identifying Gene-Treatment Interactions in CRISPR Screens*” (Zhaohan Zhu, University of Florida)
- “*Unveiling Fall Triggers in Older Adults: A Machine Learning Graphical Model Analysis*” (Tho Nguyen, University of Central Florida)
- “*Logistic SKPD Tensor Model Using Neuroimaging Data*” (Yuh-Haur Chen, University of Central Florida)
- “*Optimal Transport Sampling for Large-Scale Conditional Density Estimation*” (Yi Liu, University of Central Florida)
- “*Diffusion Policies with Offline Inverse Reinforcement Learning to Promote Physical Activity in Older Adults*” (Chang Liu, University of Central Florida)
- “*Tensor Response Regression with Low Tubal Rank and Sparsity*” (Jiping Wang, Florida State University)
- “*Fréchet sufficient dimension reduction via dCov*” (Kang Li, University of Central Florida)
- “*Sequential Change Point Detection Using LS-SVR and LS-SVDD for Real-Time Anomaly Detection*” (Randyll Pandohie, University of Central Florida)

Day 2: February 8, 2025 (Saturday)

8:00-9:00 **Registration and breakfast** (Bagels, coffee, tea provided)
(TA Lobby)

8:10-9:00 **Chapter Business Meeting**
(TA 203)

8:30-9:50 **Invited Session III** (Chair: Larry Tang)
(TA 130)

- 8:30-8:50: “*Sequential Change-Point Detection in Adaptive Learning*”, Sangbeak Ye, Florida Atlantic University
- 8:50-9:10: “*A Statistician’s Role in Open Science for Population Health Research*”, Julia Soulakova, University of Central Florida
- 9:10-9:30: “*Bayesian Variable Selection in the Ultra-High-Dimensional Data: A Two-Step Framework for Mixed-Type Multivariate Responses*”, Hsin-Hsiung Bill Huang, University of Central Florida
- 9:30-9:50: “*Introducing Healthcare Delivery Equity: A Novel, Actionable Metric Providing Hospitals with Controllable Suggestions for Improvement*”, Jae Park, University of Central Florida

9:50-10:00 **Break and Networking**

10:00-11:20 **Invited Session IV** (Chair: Jialin Liu)
(TA 130)

- 10:00-10:20: “*Mobile Apps for Teaching and Learning Statistics*”, Bernhard Klingenberg, New College Florida
- 10:20-10:40: “*Efficient computation of orthogonal basis functions for spatial change-of-support problems*”, Ranadeep Daw, University of West Florida
- 10:40-11:00: “*Incorporating the Evolution of Infectious Diseases into the Forecasting of Epidemic Spread*”, Toni Gui, University of Florida

- 11:00-11:20: “Using Logistic Regression Models to Analyze the Impact of IT-Based Healthcare Communication on Mammography Screening Utilization and Racial Disparities among Women in the US”, Nan Hu, Florida International University

11:20-11:30 Break and Networking

11:30-12:50 Invited Session V (Chair: Liqiang Ni)

(TA 130)

- 11:30-11:50: “From Prior to Posterior: Bayesian Statistics for Applied Data Science”, Samantha Seals, University of West Florida
- 11:50-12:10: “Application of restricted mean survival time method in Clinical Trials for Alzheimer disease”, Guogan Shan, University of Florida
- 12:10-12:30: “Harnessing the Power of Batched Stepped Wedge Designs: Tackling Delayed Initiation Across Clusters”, Tuo Lin, University of Florida
- 12:30-12:50: “Professional Organizations: Why be involved?”, Jessica Kohlschmidt, Ohio State University and Caucus for Women in Statistics

12:50-1:00 Closing Remarks

(TA 130)

- Summary of the day’s highlights
- Lunch provided from Blazing Pizza