

**South Carolina Chapter of
the American Statistical
Association**



**South Carolina Statistics
Consortium**

Saturday, October 13th, 2018

**Madren Center
Clemson University
Clemson, SC 29634**

Schedule and Invited Talks

10:00 am: Arrival

10:15 am: Welcome and introduction

Session 1: USC, Department of Statistics

10:30–10:55 am: Karl Gregory, “*Optimal estimation of sparse high-dimensional additive models.*”

11:00–11:25 am: Edsel Peña, “*Confidence and credible regions.*”

11:30–1:00 pm: Buffet lunch and poster session*

Session 2: MUSC, Department of Public Health Sciences

1:00–1:25 pm: Dongjun Chun, “*A statistical framework for the integration of GWAS results for multiple diseases with literature mining data.*”

1:30–1:55 pm: Alexander Alekseyenko, “*Microbiome data science.*”

Session 3: USC, Department of Epidemiology and Biostatistics

2:00–2:25 pm: Yuan Wang, “*Topological Permutation Tests in Seizure Location.*”

2:30–2:55 pm: Feifei Xiao, “*Copy number variation detection with complex genetic data.*”

3:00–3:30 pm: Break

Session 4: Clemson, School of Mathematical and Statistical Sciences

3:30–3:55 pm: Joe Bible, “*A joint model for longitudinal data with informative cluster size and informative observation time: Application to analyses of medical record data.*”

4:00–4:25 pm: Chris McMahan, “*Bayesian generalized additive regression for group testing data.*”

4:30 pm: Adjourn

Student Poster Presenters

Ennan Gu, University of South Carolina

Jiajing Niu, Clemson University

Peter Green, Medical University of South Carolina

Lutfiyya Muhammed, Medical University of South Carolina

Sherry Livingston, Medical University of South Carolina

Raymond Boaz, Medical University of South Carolina

Taeho Kim, University of South Carolina

Zhenning Yu, Medical University of South Carolina

Carter Allen, Medical University of South Carolina

Virginia Shipes, Medical University of South Carolina

Daniel Baer, Medical University of South Carolina

Stefani Mokalled, Clemson University

Chase Joyner, Clemson University

Carl Ehrett, Clemson University

Stella Self, Clemson University

PURPOSE

The 2018 meeting of the South Carolina Statistics Consortium will bring forth recent advances in the field of

statistics, in order to facilitate the exchange of research ideas, promote collaboration among researchers from across the state of South Carolina, and contribute to the further development of the field.

HOSTING ORGANIZATION

This conference is hosted by the South Carolina Chapter of the American Statistical Association (ASA). The ASA mission is to promote excellence in the application of statistical science across the wealth of human endeavor, specifically to:

- Support excellence in statistical practice, research, journals, and meetings
- Work for the improvement of statistical education at all levels
- Promote the proper application of statistics
- Anticipate and meet member needs
- Use the discipline of statistics to enhance human welfare
- Seek opportunities to advance the statistics profession

ORGANIZING COMMITTEE

This meeting was organized by the executive committee of the South Carolina ASA.

- Alexander McLain, PhD, USC,
- Bethany Wolf, PhD, MUSC,
- Andrew Brown, PhD, Clemson, and
- Dewei Wang, PhD, USC

SUPPORT

If you would like to support the SC ASA, please see Andrew Brown SC ASA treasurer. Your contribution will be tax deductible.