AISC Symposium 2025
https://mathstats.uncg.edu/aisc-symposium-2025/
Dates: June 14-15, 2025
Some changes are possible until May 31

Program Draft

June 14, 2025

8:30-9:00 am	**Refreshments**	**Sullivan Science Lobby, 2nd Floor**
9:00 – 9:30	**Inauguration**	**201 Sullivan Science Building**

9:30 – 11:30   **Plenary Talks 1, 2, 3   201 Sullivan Science**
Chair: Frank Coolen, Durham University, UK

9:30 – 10:05   **John Stufken – George Mason University**
Optimal Information-Based Subdata Selection

10:10 – 10:45   **Chang Yu – NYU Grossman School of Medicine**
 On Distributions for P-Values and Their Applications

10:50 – 11:25   **Karen Kafadar – University of Virginia**
Robust Methods and Statistical Thinking for "Big Data" Surveys

11:25-11:45   **Coffee Break**

11:50 – 1:20   **Parallel Sessions 1A   201 Sullivan Science**
Chair: Chang Yu - NYU

11:50 – 12:15   **Joint Scrambling for Sensitive Survey Sampling**
Alvan Caleb Arulandu Harvard University)
Co-Author: Sat Gupta

12:15 – 12:40   **Accounting for Measurement Error and Untruthfulness in**
Binary RRT Models
Bailey Meche – University of Chicago
Co-Authors – Sat Gupta, Venu Poruri, Sadia Khalil

12:40 – 1:05   **Optional Hybrid Trust Randomized Response Model and the**
"Generalized" Mechanism for Privacy-Preserving Data
Collection in Surveys
Geeta Kalucha (PGDAV College, University of Delhi)
Co-Author: Sat Gupta

1:05 – 1:30	**Field Validation of a Mixture Binary RRT Models: Analyzing Prevalence, Trust, and Measurement Error in Sensitive Trait Estimation** **Speaker - Sadia Khalil, Lahore College for Women University, Pakistan** Co-Authors: Geeta Kalucha, Sat Gupta, Mala Gupta
11:50 – 1:30	**Parallel Sessions 1B 202 Sullivan Science** **Chair: Ejaz Ahmed – Brock University**
11:50 – 12:15	**ForLion: A New Algorithm for D-optimal Designs under General Parametric Statistical Models with Mixed Factors** **Abhyuday Mandal -University of Georgia** Co-Authors: Yifei Huang, Keren Li and Jie Yang
12:15 -12:40	**Adaptive Bi-Level Variable Selection of Conditional Main Effects for Generalized Linear Models** **Xinwei Deng – Virginia Tech** Co-Author: Kexin Xie
12:40 – 1:05	**Collaborative Design of Controlled Experiments in the Presence of Subject Covariates** **Author: William Fisher (JMP)** Co-Authors: Qiong Zhang, Lulu Kang, and Xinwei Deng
1:05 – 1:30	**Estimating Multiple Missing Observations in Factorial Experiments** **Kumer Pial Das - University of Louisiana at Lafayette**
1:30 - 2:30	**Lunch Sullivan Science Lobby 2nd Floor**
2:30 – 4:30	**Plenary Talks 4, 5, 6 201 Sullivan Science** **Chair: John Stufken, George Mason University**
2:30 – 3:05	**Frank Coolen – Durham University, UK** Nonparametric Predictive Inference: Applications and Recent Developments
3:10 – 3:45	**Ejaz Ahmed – Brock University, Canada** Statistical and Machine Learning Strategies in High-dimensional Predictive Modelling

3:50 – 4:25	**David Banks – Duke University**
	Adversarial Risk Analysis

4:25 – 4:45　　　　　　　**Coffee Break**

4:45 – 6:05　　　　　　　**Plenary Talks 7, 8　　　201 Sullivan Science**
　　　　　　　　　　　　　Chair: David Banks – Duke University

4:45 – 5:20	**Richard Davis – Columbia University**
	Sample Splitting and Assessing Goodness-of-fit of Time Series
5:25 – 6:00	**Jerry Reiter – Duke University**
	Assessing Confidence in Decisions in the Presence of Data Uncertainty

6:30 - 9:00　　　　　　　**Banquet Dinner　　　Alumni House, 404 College Ave**

6:30 – 7:00　　　　　　　**Appetizers and Bar on the back porch at the Alumni House
It will be set up inside if there is rain**

7:00 -7:30　　　　　　　**Speeches**

7:30 -9:00　　　　　　　**Dinner**

June 15, 2025

9:30 – 10:00　　　　　　　**Refreshments　　　Sullivan Science Lobby, 2nd Floor**

10:00 – 12:00　　　　　　　**Parallel Sessions 2A　　　201 Sullivan Science**

10:00 – 10:30	**Subset Gaussian Cloning, a method to simplify Gaussian algorithms.**
	Maxwell Lovig – Yale University
	Co-Authors: Conor Sheehan, Kostas Tsirkas, Ilias Zadik
10:30 – 11:00	**Accounting for Measurement Error in Sensitive Mean Estimation under Successive Sampling**
	Pidugu Trisandhya - Department of Applied Sciences, Bharati Vidyapeeth's College of Engineering, New Delhi, India
	Co-Author: Sat Gupta
11:00 – 11:30	**The Impact of Auxiliary Information on Privacy in RRT Models**
	Michael Parker - UNC Greensboro

Co-Authors: Sat Gupta, Sadia Khalil

11:30 – 12:00   **Estimation of Population Mean using Memory Types**
Estimators for two Auxiliary Variables under Non-response
Sampling
Mazhar Yaqub - Quaid-i-Azam University, Islamabad
Co-Authors: Javid Shabbir, Sat Gupta

10:00 – 12:10   **Parallel Sessions 2B**   **202 Sullivan Science**

10:10 – 10:30   **Box-Cox Transformation – 60 Years After**
M B Rao - University of Cincinnati
Co-Authors: Nisha Sheshasayee, Wedad Alatebi, and Anand Seth

10:30 – 11:00   **Evaluating Treatment Effect with Mixed Endpoints in a**
Cancer Trial
SN Rai - University of Cincinnati
Co-Authors: Anand Seth, Z Qu, DK Srivastava

11:00 – 11:30   **Phase Ia and Ib Cancer Trial Designs for Monitoring Early**
and Late Toxicity
Anand Seth - University of Cincinnati
Co-Authors: Jayesh Rai, Xiaoyong Wu, and Jianmin Pan

12:10 -   **Lunch**   **Sullivan Science Lobby 2nd Floor   Lobby**