

8TH ANNUAL PROBABILITY AND STATISTICS DAY AT UMBC

FUNDED BY NATIONAL SECURITY AGENCY

SATURDAY, APRIL 19, 2014

INFORMATION TECHNOLOGY/ENGINEERING (ITE) BUILDING

FINAL PROGRAM

08:00 AM – 09:00 AM **REGISTRATION & BREAKFAST**
LOBBY, OUTSIDE LECTURE HALLS 7 & 8 (ROOMS 104 & 102)

09:00 AM – 09:30 AM **WELCOME**
LECTURE HALL 7 (ROOM 104)

- William LaCourse, Dean, College of Natural & Mathematical Sciences, UMBC
- Nagaraj Neerchal, Chair, Department of Mathematics & Statistics, UMBC
- Bimal Sinha, Conference Chair, UMBC

09:30 AM – 10:15 AM **KEYNOTE ADDRESS I**
LECTURE HALL 7 (ROOM 104)

Introduction of Speaker: DoHwan Park, UMBC

Speaker: **Montserrat Fuentes, North Carolina State University**

Title: **Nonparametric spatial-temporal modeling of the association between ambient air pollution and adverse pregnancy outcomes**

10:15 AM – 11:00 AM **KEYNOTE ADDRESS II**
LECTURE HALL 7 (ROOM 104)

Introduction of Speaker: Thomas Mathew, UMBC

Speaker: **Xuming He, University of Michigan**

Title: **Analysis of Quantiles**

11:00 AM – 11:30 AM **COFFEE BREAK**

11:00 AM – 04:00 PM POSTER SESSION
LOBBY, GROUND FLOOR, NEAR BUILDING ENTRANCE

Student Presenters

- **Amanda Plunkett, UMBC**
- **Iris Ivy M. Gauran, UMBC**
- **Ye Yang, UMBC**
- **Qing Ji, UMBC**
- **Jieyu Fan, University of Pittsburgh**
- **Ginto Pottackal, UMBC**
- **Marilena Flouri, UMBC**
- **Rui Jin, Goerge Washington University**
- **Karla Hernandez, Johns Hopkins University**

Coordinator (Non-Judge)

- **Yaakov Malinovsky, UMBC**

Judges

- **Salil Das, Prince George’s Community College**
- **Rupa Mitra, Community College of Baltimore County**
- **Mathangi Gopalakrishnan, University of Maryland, Baltimore**
- **Yukun Wu, University of Maryland School of Medicine**
- **Willy Weng, IBM**
- **Abera Wouhib, NCHS/CDC**
- **Gaurav Sharma, EMMES Corporation**
- **Anna Sun, FDA**
- **Erum Murfani, Frederick Community College**
- **Ravi Siddani, Novartis Oncology**

11:30 AM – 01:30 PM PARALLEL SESSIONS

INTERNATIONAL INVITED SESSION
LECTURE HALL 7

Chair: Ejaz Ahmad, Brock University, Canada

Speakers:

- **Erniel Barrios, University of Philippines at Diliman, Philippines**
Computational Statistics Methods in Spatial-Temporal Models
- **Montip Tiensuwan, Mahidol University, Thailand**
Nonlinear Mixed Effects Models in Patients with Colorectal Cancer
- **Johan Lim, Seoul National University, South Korea**
Recent advances on fused lasso regression
- **Aylin Alin, Dokuz Eylul University, Turkey**
Robust BCa-JaB method as a diagnostic tool for linear regression

SESSION A @ ROOM 227

ORAL PRESENTATIONS BY GRADUATE STUDENTS I

Chair: Rong Wei, National Center for Health Statistics

Student Presenters

- Ritwik Mitra, Rutgers University
- Cheng Zhang, George Washington University
- Shuyan Zhai, UMBC
- Mengta Yang, George Washington University
- Parichoy Pal Choudhury, Johns Hopkins University
- Mingyu Xi, UMBC

Coordinator (Non-Judge)

- DoHwan Park, UMBC

Judges

- Indrani Basak, Penn State Altoona
- Nusrat Jahan, James Madison University
- Nabendu Pal, University of Louisiana at Lafayette
- Gitanjali Paul, GlaxoSmithKline
- Girish Patwardhan, Idea360 Market Research
- Kevin Drummey, National Security Agency
- Ionut Bebu, George Washington University

SESSION B @ ROOM 229

ORAL PRESENTATIONS BY GRADUATE STUDENTS II

Chair: Michael Messner, USEPA

Student Presenters

- Elande Baro, UMBC
- Burcin Simsek, University of Pittsburgh
- Peter Linton, UMBC
- Priyam Mitra, Rutgers University
- Joshua Touyz, George Washington University
- Jonathan McHenry, UMBC

Coordinator (Non-Judge)

- Yi "Yvonne" Huang, UMBC

Judges

- Soutir Bandyopadhyay, Lehigh University
- Prasanta Basak, Penn State Altoona
- Gauri Datta, University of Georgia
- Marlow Lemons, Virginia Tech
- Tatiyana Apanasovich, George Washington University
- James Livsey, U.S. Census Bureau
- Subhash Bagui, University of West Florida

01:30 PM – 02:45 PM LUNCH BREAK & PHOTO SESSION
Photographer: James Travis, UMBC

02:45 PM – 03:30 PM KEYNOTE ADDRESS III
LECTURE HALL 7 (ROOM 104)

Introduction of Speaker: Yi “Yvonne” Huang, UMBC

Speaker: **Regina Liu, Rutgers University**

Title: **Combining nonparametric inferences using data depth, bootstrap and confidence distribution**

03:30 PM – 04:15 PM KEYNOTE ADDRESS IV
LECTURE HALL 7 (ROOM 104)

Introduction of Speaker: Anindya Roy, UMBC

Speaker: **Soumendra Lahiri, North Carolina State University**

Title: **Empirical likelihood in high dimensions**

04:15 PM – 04:30 PM COFFEE BREAK

04:30 PM – 05:30 PM SPECIAL ALUMNI SESSION
LECTURE HALL 7 (ROOM 104)
Chair: Elizabeth Stanwyck, UMBC

Speakers:

- **Martin Klein, Census Bureau**
Likelihood-Based Finite Sample Inference for Synthetic Data Based on Normal and Linear Regression Models
- **Deepak Nag Ayyala, The Ohio State University**
Graphical Representation of microbial community subpopulations using penalized Kendall’s distance

05:30 PM – 06:15 PM ALUMNI RECOGNITION & STUDENT AWARD PRESENTATIONS
LECTURE HALL 7 (ROOM 104)

Alumni Recognition:

- Kofi Adraghi and Junyong Park, UMBC

Presentation of Awards

- Kevin Drummey and Nagaraj Neerchal
MD Chapter of ASA and CIRC

06:15 PM – 07:00 PM RECEPTION *(ITE Lobby)*

07:30 PM – 09:30 PM CONFERENCE DINNER
Skylight Room, UMBC

Introduction of Banquet Speaker: **Nagaraj Neerchal, UMBC**
Speaker: **Provost Philip Rous, UMBC**