9th ANNUAL PROBABILITY AND STATISTICS DAY AT UMBC

FUNDED BY NATIONAL SECURITY AGENCY

SATURDAY, APRIL 18, 2015
INFORMATION TECHNOLOGY/ENGINEERING (ITE) BUILDING

Final Program

8:00 AM-9:00 AM  REGISTRATION AND BREAKFAST
LOBBY, OUTSIDE LECTURE HALLS 7 AND 8

9:00 AM-9:30 AM  WELCOME
LECTURE HALL 7 (ROOM 104)
- William LaCourse
  Dean, College of Natural Sciences, UMBC
- Nagaraj Neerchal
  Chair, Department of Mathematics & Statistics, UMBC
- Elizabeth Stanwyck, UMBC
  Celebration of 30 years of Statistics program at UMBC
- Bimal Sinha, Conference Chair, UMBC
  Program Highlights
- Thomas Mathew, UMBC
  Looking Ahead!

9:30 AM-10:15 AM  KEYNOTE ADDRESS I
LECTURE HALL 7 (ROOM 104)
Introduction of Speaker: Weining Kang, UMBC
Speaker: Ruth Williams, University of California at San Diego
Title: Resource Sharing in Stochastic Networks
10:15 AM - 11:00 AM  KEYNOTE ADDRESS II  
LECTURE HALL 7 (ROOM 104)  
Introduction of Speaker:  Barry Nussbaum, USEPA  
Speaker:  Thomas Louis, Johns Hopkins University  
and US Census Bureau  
Title:  Convergence of the Biostatistical and Survey Worlds  

11:00 AM - 11:30 AM  COFFEE BREAK  

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

Student Presenters  
- Elias Al-Najjar, UMBC  
- Rowena Bastero, UMBC  
- Rabab Elnaiem, UMBC  
- Mina Hosseini, UMBC  
- Moumita Karmakar, UMBC  
- Sai Kumar Popuri, UMBC  
- Ginto Pottackal, UMBC  
- Quan Zou, George Washington University  

Coordinator (Non-Judge)  
- Elizabeth Stanwyck, UMBC  

Judges  
- Hasna Banu, Howard Community College  
- Manoj Chacko, University of Nevada at Las Vegas  
- Nilabja Guha, Texas A & M University  
- Rupa Mitra, Community College of Baltimore County  
- Anna Sun, Food and Drug Administration  
- Navneet Sushon, Federal Water Resources  

Department of MATHEMATICS AND STATISTICS  

AN HONORS UNIVERSITY IN MARYLAND  

UMBC
PARALLEL SESSIONS

INTERNATIONAL INVITED SESSION
LECTURE HALL 7

Chair: Abdulkadir Hussein, University of Windsor, Canada

Speakers:

- **Papa Ngom**, Université Cheikh Anta Diop, Dakar-Sénégal
  Title: *Minimum Penalized Hellinger Distance for Model Selection in Small Samples*

- **Carlos Coelho**, New University of Lisbon, Portugal
  Title: *Near-Exact and Asymptotic Distributions for Likelihood Ratio Statistics Used in Tests Mean Vectors with Patterned Covariance Matrices*

- **Guido Knapp**, University of Dortmund, Germany
  Title: *Meta-analysis of a Small Number of Trials*

- **Jeongcheol Ha**, Keimyung University, South Korea
  Title: *A Nonparametric Unit Root Test in The Presence of Correlated Errors*

SESSION A at ROOM 227
ORAL PRESENTATIONS BY GRADUATE STUDENTS I

Chair: Rong Wei, NCHS

**Student Presenters**

- April Albertine, UMBC
- Hamza Dhaker, Université Cheikh Anta Diop
- Moumita Karmakar, UMBC
- Daniel McCarthy, University of Pennsylvania
- Amanda Plunkett, UMBC
- Burcin Simsek, University of Pittsburgh
Coordinator (Non-Judge)

- DoHwan Park, UMBC

Judges

- Robert Ashmead, US Census Bureau
- Indrani Basak, Penn State Altoona Campus
- Marlow Lemons, US Census Bureau
- Lei Nie, Food and Drug Administration
- Gitanjali Paul, GlaxoSmithKline (GSK)
- Yaser Samadi, Southern Illinois University

SESSION B at ROOM 229
ORAL PRESENTATIONS BY GRADUATE STUDENTS II

Chair: Michael Messner, USEPA

Student Presenters

- Marilena Flouri, UMBC
- Justin Han, University of Hongkong
- Ricardo Moura, New University of Lisbon
- Panpan Zhang, George Washington University
- Jian Zhao, UMBC

Coordinator (Non-Judge)

- Yi Huang, UMBC

Judges

- Prasanta Basak, Penn State Altoona Campus
- Bhaskar Bhattacharya, Southern Illinois University
- Nusrat Jahan, James Madison University
- Chuanhua ‘Julia’ Xing, AstraZeneca - MedImmune
- Jiashen You, US Census Bureau

01:30 PM - 02:45 PM  LUNCH BREAK & PHOTO SESSION
Photographer: Ricardo Moura, UMBC
02:45 PM - 03:30 PM  KEYNOTE ADDRESS III  
LECTURE HALL 7 (ROOM 104)  
Introduction of Speaker: Yaakov Malinovsky, UMBC  
Speaker: Larry Brown, University of Pennsylvania  
Title: Linear Regression Analysis in Non-linear Populations

03:30 PM - 04:15 PM  KEYNOTE ADDRESS IV  
LECTURE HALL 7 (ROOM 104)  
Introduction of Speaker: Anindya Roy, UMBC  
Speaker: Peter McCullagh, University of Chicago  
Title: Survival Models and Health Sequences

4:15 PM - 04:30 PM  COFFEE BREAK

4:30 PM - 05:30 PM  SPECIAL ALUMNI SESSION  
LECTURE HALL 7 (ROOM 104)  
Chair: Junyong Park, UMBC

SPEAKERS

- Andrew Raim, US Census Bureau  
  Title: Mixture Link Models for Binomial Data with Overdispersion

- Xiaoyu Dong, Food and Drug Administration  
  Title: Statistics Approaches for Scaled Equivalence Testing

5:30 PM - 06:15 PM  RECOGNITION CEREMONY & STUDENT AWARD PRESENTATIONS  
LECTURE HALL 7 (ROOM 104)

Special Recognition:

- Thomas Mathew, UMBC

Alumni Recognition:

- Kofi Adragni and Junyong Park, UMBC
Presentation of Awards:
- Nagaraj Neerchal, UMBC
  Dulal Bhaumik, University of Illinois, Chicago

6:15 PM - 07:00 PM  RECEPTION
ITE LOBBY

7:30 PM - 09:30 PM  CONFERENCE DINNER: LIBRARY 7TH FLOOR

Introduction of Banquet Speaker:
Nagaraj Neerchal, UMBC

Speaker:  Shelemyahu Zacks, SUNY at Binghamton
Title: The Interface of Consulting and Statistical Theory