



Blackwell-Tapia Conference November 14-15, 2008

SCHEDULE

Friday, November 14, 2008

[Radisson Hotel RTP](#)

- 12:30-1:30 Registration and Coffee/Refreshments
- 1:30- 1:50 Welcome and Introduction
- 1:50-2:30 Lecture: **Jacqueline M. Hughes-Oliver**, North Carolina State University
Analysis of High-Dimensional Structure-Activity Screening Datasets Using the Optimal Bit String Tree
- 2:30-3:20 Panel Discussion: *Getting Undergraduates Involved in Research*
Carlos Castillo-Chavez, Arizona State University (Chair)
Reinhard Laubenbacher, Virginia Tech
Juan Meza, Lawrence Berkeley National Lab
Peter Mucha, UNC – Chapel Hill
Michael Shearer, NC State University
- 3:20-3:45 Coffee Break
- 3:45-4:30 Short Talks I: **Tim Thornton**, University of California, San Francisco
Statistical Methods for Genetic Association Studies in Structured Populations
Angela Gallegos, Tulane University
Crocodylia, Sex Determination and Delay Differential Equations
- 4:30-5:10 Lecture: **Freda Porter**, Porter Scientific
Technologies for Addressing Environmental Challenges
- 5:10-6:30 Poster Set-up
- 6:30-8:30 Poster Session and Reception
SAMSII will provide poster presentation boards and tape. The board dimensions are 4 ft. wide by 3 ft. high. They are tri-fold with each side being 1 ft. wide and the center 2 ft. wide. Please make sure your poster fits the board. The boards can accommodate up to 16 pages of paper measuring 8.5 inches by 11 inches.

Saturday, November 15, 2008

[Radisson Hotel RTP](#)

- 8:30-9:00 Registration and Continental Breakfast

- 9:00-9:30 Lecture: **Oscar Gonzalez**, University of Texas, Austin
Predicting Geometric Properties of DNA from Hydrodynamic Diffusion Data
- 9:30-10:15 Short talks II: **Rudy Horne**, Florida State University
Solitary Waves in Discrete Media in the Presence of Four-Wave Mixing Products
- Yolanda Munoz Maldonado**, Michigan Technological University
Testing the Equality of Mean Functions for Continuous Time Stochastic Processes
- 10:15-10:45 Coffee Break
- 10:45-11:15 Lecture: **Gabriel Huerta**, University of New Mexico
Statistical Approaches for Parameter Estimation in Climate Models
- 11:15-12:00 Short talks III: **Ulrica Wilson**, Morehouse College
A Criterion for Finding Cyclic $k_p((t))$ -division Algebras
- Tanya Moore**, Building Diversity in Science
Using Mathematics to Transform Communities
- 12:00-1:40 Lunch (Galleria Restaurant, First Floor)
- 1:40-2:00 Presentation: *Opportunities at SAMSI, the Math Institutes, and NSF*
Jim Berger, SAMSI
Cheri Shakiban, IMA
Peter March, NSF
- 2:00-3:00 Panel Discussion: *Career Opportunities in the Mathematical Sciences*
Carolyn Morgan, Hampton University (Chair)
Tanya Moore, Building Diversity in Science
Bob Rodriguez, SAS
Nell Sedransk, NISS
Janet Spoonamore, Army Research Office
- 3:00-3:20 Coffee Break
- 3:20-4:00 Lecture: **Richard Tapia**, Rice University
Optimization: The Cradle of Contemporary Mathematics
- 4:00-5:00 Blackwell-Tapia Lecture:
Juan Meza, Lawrence Berkeley National Laboratory
Optimization: The Difference Between Theory and Practice
- 5:00-6:15 Break
- 6:15-6:30 Conference Group Photos
- 6:30-9:00 Conference Reception and Banquet
6:30 Reception
7:00 Dinner is Served
7:45 Juan Meza Receives Award