

11th Annual Conference for African American Researchers in the Mathematical Sciences

Tuesday June 21, 2005

5:00–7:30 *Wine/Cheese Reception (Hosted by IPAM)*

Wednesday June 22, 2005

8:00–8:30 *Check-in/Breakfast*

8:30–9:00 *Welcome and Opening Remarks*

9:00–10:00 **Jim Gates** (University of Maryland)
Beyond Connections–Supersymmetric Gauge Theory

10:00–10:30 *Break*

10:30–11:30 **Clifton F. Ealy** (University of Illinois at Urbana-Champaign)
Model Theory and Independence Relations

11:30–12:30 *Lunch (hosted by IPAM)*

12:30–1:05 **Steven Lee** (Lawrence Livermore National Laboratory)
How to build your research paper database - one PDF at a time

1:05–1:15 *Break*

1:15–1:50 **Ulrica Wilson** (Claremont McKenna College)
The problem of classifying finite dimensional division algebras

1:50–2:00 *Break*

2:00–2:45 *Group Picture At Royce Hall*

2:45–3:30 **Mark Green** (IPAM)
IPAM Opportunities

3:30–4:30 **Sean Garrick** (University of Minnesota)
Numerical Solution of Deterministic and Stochastic Integro-differential Equations for the Synthesis of Nano-structured Materials

4:30–5:00 *Break*

5:00–7:00 *Poster Session*



Thursday June 23, 2005

- 8:30–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–10:00 **Joyce Macabea** (Molecular Sciences Institute)
From DNA to Moons – Modeling with a Dynamic Approach
- 10:00–10:30 *Break*
- 10:30–11:30 **Kasso Okoudjou** (Cornell University)
Modulation spaces and some of their applications
- 11:30–12:30 *Lunch (hosted by IPAM)*
- 12:30–1:05 **Jim Gates** (University of Maryland)
Beyond Connections–Supersymmetric Gauge Theory
- 1:05–1:15 *Break*
- 1:15–1:50 **William Massey** (Princeton University)
Calculus of Variations Tutorial (Part I): Lagrangians
- 1:50–2:00 *Break*
- 2:00–3:00 **Rosalind Mary Wynne** (Boston University)
Microstructured Optical Fiber Fabrication:An Intergrated Parametric Approach
- 3:00–3:30 *Break*
- 3:30–4:30 **Miranda Teboh-Ewungkem** (Lafayette College)
Applying a multiple capillary substrate and oxygen transport model to drug targeting strategies for cancer chemotherapy
- 5:30–6:30 *Social Hour (Iris)*
- 6:30–8:30 *Banquet with Keynote Speaker Keith H. Jackson*

Friday June 24, 2005

- 8:30–9:00 *Check-in/Breakfast (hosted by IPAM)*
- 9:00–10:00 **Mave Houston** (PricewaterhouseCoopers)
PHOENICS: Partitioning Hardware/Software Embedded Systems Via Non-Intrusive Interactive Constraint Satisfaction
- 10:00–10:30 *Break*

(Friday schedule continued on next page)

(Friday schedule continued from previous page)

- 10:30–11:30 **Kyron Williams** (Princeton University)
Direct Determination of Characteristic Fluctuation Frequencies from Phase Space Trajectories in Turbulent Plasmas
- 11:30–12:30 Lunch (hosted by IPAM)
- 12:30–1:05 **Steven Lee** (Lawrence Livermore National Laboratory)
How to build your research paper database - one PDF at a time
- 1:05–1:15 Break
- 1:15–1:50 **William Massey** (Princeton University)
Calculus of Variations Tutorial (Part II): Hamiltonians
- 1:50–2:00 Break
- 2:00–3:30 *Panel Discussion and Conclusion: Creating African-American Researchers in the Mathematical Sciences Idris Assani, University of North Carolina at Chapel Hill; William Massey, Princeton University; and Scott Williams, State University of New York at Buffalo*
- 3:30–4:00 Break
- 4:00–7:00 *All American Outdoor BBQ*

