

IPC Conference Schedule

Thursday March 18, 2010

- 9:00 am Continental Breakfast IPAM (Portola Plaza Building)
- 9:30 am Short Course: The Mathematics of Decision Making
Illya V. Hicks, Rice University
Julie Ivy-Simmons, North Carolina State University
Monica Jackson, American University
William Massey, Princeton University
Mariana Olvera-Cravioto, Columbia University
- 5:00 pm Reception and Registration for IPC IPAM
- 7:00 pm Yoga Class IPAM

Friday March 19, 2010

- 7:30 am Registration Ackerman Grand Ballroom
Second floor, Ackerman Student Union
- 8:00 am Continental Breakfast
- 8:45 am Welcome and Opening Remarks Grand Ballroom
Tanya Moore, Building Diversity in Science
Russel Calfisch, Institute for Pure and Applied Mathematics
Rosina Becerra, University of California, Los Angeles
- 9:10 am Introduction of Keynote Speaker
Angela Gallegos, Occidental College
- 9:15 am Keynote Address: "Keeping It Real - Industrial Strength Mathematics"
Suzanne Weekes, Worcester Polytechnic Institute
- 10:00 am Coffee Break
- 10:15 am Concurrent Sessions - Race Issues in Mathematics
- Fitting into the Culture of Graduate Programs Grand Ballroom
Moderator: Lily Khadjavi, Loyola Marymount University
Panelists: Michelle Craddock, United States Military Academy
Raquel López, Arizona State University

Candice Price, University of Iowa

Negotiating and Improving the Race and Gender Divide in the Workplace

Lounge

Moderator: Emille Davie, University of California, Santa Barbara
Panelists: Sonya Snedecor, Pharmerit North America
Joy Alafia, California Association of REALTORS®
Miriam Nuño, Cedars-Sinai Medical Center
Bernadette Tucker, Johns Hopkins Applied Physics Lab

Retaining and Mentoring Young Women of Color

Room 2408

Moderator: Angela Gallegos, Occidental College
Panelists: Sylvia Bozeman, Spelman College
Ivelisse Rubio, University of Puerto Rico
Nagambal Shah, Spelman College

- 11:15 am Interactive Mentoring Session Grand Ballroom
- 12:00pm Lunch Grand Ballroom
- 1:00 pm Introduction of Keynote Speaker Grand Ballroom
Emille Davie, University of California, Santa Barbara
- 1:05 pm Keynote Address: "Latin and Frequency Squares"
Ivelisse Rubio, University of Puerto Rico
- 1:50 pm Coffee Break
- 2:00 pm Panel Discussion - "If I Had To Do It All Over Again..." Grand Ballroom
Moderator: Erika Camacho, Arizona State University
Panelists: Kim Woodson Barnette, Delta Decisions of DC, LLC
Carla Cotwright-Williams, Norfolk State University
Carol Fan, RAND Corporation
Nancy Rodriguez, University of California, Los Angeles
- 3:00 pm Break
- 3:15 pm Poster Session Lounge
- 4:15 pm Concurrent Sessions - Nuts and Bolts
- Selecting the Graduate Program for You Lounge
Moderator: Joy Alafia, California Association of REALTORS®
Panelists: Andrea Bertozzi, University of California, Los Angeles
Colette Patt, University of California, Berkeley

Karen Ravago, University of California, Los Angeles

How to Write Grants - The Specifics Room 2408

Moderator: Natasha Brewley-Corbin, Georgia Gwinnett College

Panelists: Fern Hunt, National Institute of Standards and Technology
Roselyn Williams, Florida A&M University

Entrepreneurship in the Mathematical Sciences Grand Ballroom

Moderator: Omayra Ortega, Arizona State University West

Panelists: Kim Woodson Barnette, Delta Decisions of DC, LLC
Erika Camacho, Arizona State University
Marlisa Johnson, Mathtopian Preparation, Inc.
Tanya Moore, Building Diversity in Science

5:15 pm Dinner (On Your Own)

5:30 pm Yoga Class & Game Night IPAM (Portola Plaza Building)

Saturday March 20, 2010

7:30 am Registration Grand Ballroom

8:00 am Continental Breakfast Grand Ballroom

9:00 am Introduction to Invited Speaker Grand Ballroom
Tanya Moore, Building Diversity in Science

9:05 am Invited Speaker: "*Stereotype Threats and the Curious Case of the Missing Women*"
Adam Fingerhut, Loyola Marymount University Grand Ballroom

10:15 am Coffee Break

10:30 am Concurrent Sessions - Professional Development

What Can You Do With a Math Degree? Room 2412

Moderator: Marsha Harrison, Building Diversity in Science

Panelists: Janylle Carter, Diablo Valley College
Ebony Yasmin Ball, Young Peoples' Project
Leslie Livesay, Jet Propulsion Lab
Bernadette Tucker, Johns Hopkins Applied Physics Lab

Professional Grant Opportunities Room 2408

Moderator: Stacey Beggs, Institute for Pure and Applied Mathematics

Panelists: Dean Evasius, National Science Foundation
Heather Garten, National Security Agency

Summer Fun Programs Room 3508

Moderator: Omayra Ortega, Arizona State University West
Panelists: Karamatou Yacoubou Djima, University of Maryland
Patricia Hale, California State Polytechnic University, Pomona
Paulina Rodriguez, University of California Santa Cruz

Applying for Scholarships and Fellowships Grand Ballroom

Moderator: Katrina Harden Williams, Spelman College
Panelists: Erika Camacho, Arizona State University
Kim Weems, North Carolina State University

Negotiating and Self-Promotion Lounge

Moderator: Lily Khadjavi, Loyola Marymount University, Los Angeles
Panelists: Rosina Becerra, University of California, Los Angeles
Ulrica Wilson, Morehouse College

11:30 am Lunch Grand Ballroom

12:30 pm FUNction Room (Open for High School Students) Lounge

12:30pm Concurrent Research Roundtables

Applied Mathematics Grand Ballroom

Moderator: Omayra Ortega, Arizona State University West

12:30 – 12: 50 Development of Verification Scripts and Complex Geometry
Methods for the Fire Dynamics Simulator
Clara Cruz, University of Puerto Rico - Rio Piedras

12:50 – 1:10 Models to Describe the Survival of Escherichia Coli O157:H7
Under Acid and Salt Stress
Althea Hosein, North Carolina State University

1:10 – 1:30 Fast Low Rank Approximations of Matrices and Tensors
Mechie Nkengla, University of Illinois at Chicago

1:30 – 1: 50 Local Existence and Uniqueness of Solutions to a PDE Model
for Criminal Behavior
Nancy Rodriguez, University of California, Los Angeles

Applied Mathematics and Mathematics Education Room 3508

Moderator: Patricia Hale, California State Polytechnic University,
Pomona

12:30 – 12:50 What Do We Really Know About Geometry?

Anna Wan Brice, Auburn University

12:50 – 1:10

What I Learned Running the Oakland Math Circle
Jamyll Carter, Diablo Valley College

1:10 – 1:30

When Do Two Planted Graphs Have the Same Cotransversal
Matroid?
Amanda Ruiz, Binghamton University, The State University
of New York

1:30 – 1:50

The Mathematics of Financial Derivatives and the Wall Street
Crisis
Roselyn Williams, Florida A&M University

Probability and Statistics

Room 2412

Moderator:

Kim Weems, North Carolina State University

12:30 – 12:50

The Four-State Markov Process
Lilinoe Harbottle, California State Polytechnic University,
Pomona

12:50 – 1:10

Tug of War
Alena Maze, Georgetown University

1:10 – 1:30

Advances with the Conway-Maxwell-Poisson Distribution
Kimberly F. Sellers, Georgetown University

1:30 – 1:50

Development of a Sampling Plan for Radioactive Releases
Lori Thomas, Morgan State University

Pure Mathematics

Room 2408

Moderator: Emille Davie, University of California, Santa Barbara

12:30 – 12:50

The N-Variable Case of Hall-Wilson-Zagier's Reciprocity
Theorem for Generalized Dedekind-Rademacher Sums
Anastasia Chavez, San Francisco State University

12:50 – 1:10

Constructing and Enumerating Franklin Circles
Rebecca Garcia, Sam Houston State University

1:10 – 1:30

Non-Commutative Algebraic Cryptography
Maggie Habeeb, The City University of New York

1:30 – 1:50

Development of a Sampling Plan for Radioactive Releases
Lori Thomas, Morgan State University

2:00 pm	Relaxation Moment	Grand Ballroom
2:10 pm	Introduction of Keynote Speaker Erika Camacho, Arizona State University	Grand Ballroom
2:15 pm	Keynote Address: “A Journey – Math & Science in the World of Energy” Ruth Gonzalez, ExxonMobil Upstream Research Company	
3:00 pm	Coffee Break and Group Photo	
3:30 pm	Concurrent Session – Having the Lives We Want	
	Equity and Access in Education	Room 2412
	Moderator: Joy Alafia, California Association of REALTORS®	
	Speaker: Angela Laila Hasan, University of Southern California	
	Balancing College Pressures	Room 2408
	Moderator: Carmen E. Torres, Building Diversity in Science	
	Panelists: Tasha Henneman, Mills College	
	Diane Nelson, Georgetown University	
	Veronica Vargas-Paredes, University of California, Los Angeles	
	Prioritizing Work and Non-Family Life Commitments	Lounge
	Moderator: Emille Davie, University of California, Santa Barbara	
	Panelists: Angela Gallegos, Occidental College	
	Andrea Hernandez, Columbia University	
	Omayra Ortega, Arizona State University West	
	Motherhood and Mathematics	Grand Ballroom
	Moderator: Nagambal Shah, Spelman College	
	Panelists: Rebecca Garcia, Sam Houston State	
	Katrina Harden Williams, Spelman University	
	Kimberly Sellers, Georgetown University	
	Being LGBT in Mathematics	Room 3508
	Panelists: Rachelle R. Bouchat, Slippery Rock University	
	Lily Khadjavi, Loyola Marymount University, Los Angeles	
4:30 pm	Relax and Socialize	IPAM
6:30 pm	Dr. Etta Z. Falconer Awards Banquet	Grand Ballroom