

Applied Mathematics skills Improvement for Graduate studies Advancement (AMIGAs)

Monday July 10, 2023

- 8:00 *All events will be happening at Kerckhoff Grand Salon except for Monday & Wednesday Professional Development sessions (3pm - 5pm).*
- 8:00–8:55 *Check-In/Breakfast (Hosted by IPAM)*
- 8:55–9:00 *Welcome & Opening Remarks: Dean Miguel García-Garibay (Dean of Physical Sciences, UCLA) and Dima Shlyakhtenko (Director, IPAM)*
- 9:00–12:00 **Sofia Ruiz Suarez** (University of Toronto)
Statistical Foundations: From Theory to Practice
- 12:00–1:00 *Lunch (Hosted by IPAM)*
- 1:00–2:45 *Professional Development (IPAM Lecture Room)*
- 2:45–3:00 *Break*
- 3:00–5:00 *Lab: Hands on Activities*
- 5:00–6:30 *Dinner (hosted by IPAM)*

Tuesday July 11, 2023

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–12:00 **Keisha Cook** (Clemson University)
Data Driven Mathematical Models and Simulation Techniques
- 12:00–1:00 *Lunch (Hosted by IPAM)*
- 1:00–3:00 *Lab: Hands on Activities*
- 3:00–3:15 *Break*
- 3:15–5:00 *Professional Development*
- 5:00–6:30 *Dinner (hosted by IPAM)*



Wednesday July 12, 2023

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–12:00 **Patricia Medina** (New York City College of Technology (CUNY))
Using Machine Learning Techniques to Explore and Analyze LiDAR 3D Point Clouds
- 12:00–1:00 *Lunch (Hosted by IPAM)*
- 1:00–3:00 *Lab: Hands on Activities*
- 3:00–3:15 *Break*
- 3:15 *Group Photo*
- 3:15–5:00 *Professional Development (IPAM Lecture Room)*
- 5:00–6:30 *Dinner (hosted by IPAM)*

Thursday July 13, 2023

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–12:00 **Umaa Rebbapragada** (Jet Propulsion Laboratory)
Using Machine Learning to Find Interesting Phenomena in Large Image Archives
- 12:00–1:00 *Lunch (Hosted by IPAM)*
- 1:00–3:00 *Lab: Hands on Activities*
- 3:00–3:15 *Break*
- 3:15–5:00 *Professional Development*
- 5:00–6:30 *Dinner (hosted by IPAM)*

Friday July 14, 2023

- 8:00–9:00 *Check-In/Breakfast (Hosted by IPAM)*
- 9:00–12:00 *Presentations*
- 12:00–1:00 *Lunch (Hosted by IPAM) & Debrief*

