

# SCHEDULE

**LOCATION: THE CONFERENCE WILL BE HELD IN THE GRAND BALLROOM ON LEVEL 2 OF ACKERMAN STUDENT UNION ON THE UCLA CAMPUS, UNLESS OTHERWISE NOTED.**

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## THURSDAY, MARCH 8, 2018

### Morning Session

- 9:00 - 9:30 Registration for Pre-conference Activity/Light Refreshments (by RSVP only)
- 9:30 - 11:30 Pre-conference Activity for Students Presenting a Poster - *Location: Bruin Reception Room*
- 11:30 - 12:00 **Beverly Yanuaria (University of California, Los Angeles)**  
Ins & Outs of Applying to Graduate School - *Location: Bruin Reception Room*
- 11:30 - 12:00 **Math Institutes Programs** - *Location: Room 2408*
- 11:30 General Registration Begins
- 12:00 - 1:00 Lunch/Who is Here Board?

### Afternoon Session

- 1:00 - 1:30 Welcome and Opening Remarks
- 1:30 - 2:30 **Ivelisse Rubio (University of Puerto Rico)**  
Exploring, generalizing and applying the covering method
- 2:30 - 3:00 Break
- 3:00 - 4:00 **Ryan Hynd (University of Pennsylvania)**  
Adhesion dynamics and the sticky particle system
- 4:00 - 6:00 **Poster Session**
- 6:00 - 8:00 Reception/Networking Activity
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## FRIDAY, MARCH 9, 2018

### Morning Session

- 8:00 - 8:45 Breakfast/Nominations Committee
- 8:45 - 9:45 **Rodrigo Bañuelos (Purdue University)**  
Looking for randomness in all the wrong places
- 9:00 - 11:00 Math Circle Activity for High School Students (closed session; by invitation only)
- 9:45 - 10:00 Break
- 10:00 - 11:00 **Edgar Lobaton (North Carolina State University)**  
From Cyborg-Insect to Human Motion: Topological Data Analysis Applied to Time Series
- 11:00 - 11:15 Break

# SCHEDULE

## CONTINUED - FRIDAY, MARCH 9, 2018

### 11:15 - 12:30 **Panel Discussion**

Latinx in STEM Disciplines and Higher Education, featuring Carlos Castillo-Chavez (Arizona State University), Dagan Karp (Harvey Mudd College), and Talitha Washington (Howard University).  
Moderator: Jorge Balbás (IPAM).

12:30 - 2:00 Lunch/Networking Activity

### Afternoon Session

## CONCURRENT SCIENTIFIC SESSIONS

### 2:00 - 5:00 **Algebra and Number Theory** - Location: *IPAM Lecture Hall 1200*

2:00 - 2:25 Rosemary Guzman (University of Chicago)

2:30 - 2:55 Pablo Solis (Stanford University)

3:30 - 3:55 Bianca Thompson (Harvey Mudd College)

4:00 - 4:25 Anthony Varilly-Alvarado (Rice University)

4:30 - 4:55 Pamela Harris (Williams College)

### 2:00 - 5:00 **Mathematical Biology** - Location: *Room 2408*

2:00 - 2:25 Joseph Teran (UCLA)

2:30 - 2:55 Emilia Huerta-Sanchez (UC Merced)

3:30 - 3:55 German Enciso Ruiz (UC Irvine)

4:00 - 4:25 Sara Del Valle (Los Alamos National Laboratory)

4:30 - 4:55 Christian Laing (Navigate BioPharma)

### 2:00 - 5:00 **Topics in Contemporary Discrete Mathematics** - Location: *Bruin Reception Room*

2:00 - 2:25 Laura Escobar (University of Illinois at Urbana-Champaign)

2:30 - 2:55 Jose Israel Rodriguez (University of Chicago)

3:30 - 3:55 Diego Cifuentes (Max-Planck Institute for the Mathematics in the Sciences)

4:00 - 4:25 Anastasia Chavez (University of California, Davis)

4:30 - 4:55 Pablo Soberon (Northeastern University)

### 2:00 - 5:00 **Topology: New Trends Applications and Theory** - Location: *Grand Ballroom*

2:00 - 2:25 Jose Perea (Michigan State University)

2:30 - 2:55 Fabiola Manjarrez (National Autonomous University of Mexico)

3:30 - 3:55 Luis Valdez-Sanchez (University of Texas at El Paso)

4:00 - 4:25 Nicolas Garcia Trillos (Brown University)

4:30 - 4:55 Angélica Osorno (Reed College)

3:00 - 3:30 Break

6:00 - 8:00 Reception/One-on-One Conversations

# SCHEDULE

## SATURDAY, MARCH 10, 2018

### Morning Session

- 8:00 - 9:00 Breakfast/Ladies Breakfast
- 9:00 - 10:00 **Lily Khadjavi (Loyola Marymount University)**  
Policing in Los Angeles and the issue of racial profiling
- 10:00 - 10:15 Break
- 10:15 - 11:15 **Jesús De Loera (University of California, Davis)**  
Variations of Carathéodory theorem for Integer Optimization
- 11:15 - 11:30 Break
- 11:30 - 12:30 **Rochelle Gutiérrez (University of Illinois at Urbana-Champaign)**  
Rehumanizing Mathematics: A Vision for the Future
- 12:30 - 2:00 Lunch/One-on-One Conversations

### Afternoon Session

### PANEL SESSIONS

- 2:00 - 3:00 **Moving up the Academic Ladder and Developing Leadership Skills**, featuring Jose Castillo (San Diego State University), David Cruz-Urbe (University of Alabama) and Mariel Vasquez (UC Davis).  
**Moderator:** Ivelisse Rubio.  
*Location: Room 2408*
- 2:00 - 3:00 **Careers in Academia**, featuring Selenne Banuelos (CSU Channel Islands), Anastasia Chavez (UC Davis), Anthony Várilly-Alvarado (Rice University) and William Velez (University of Arizona).  
**Moderator:** Edray Goins (Purdue University).  
*Location: Bruin Reception Room*
- 3:00 - 4:00 **Careers in Government**, featuring Alejandra Alvarado (US Navy), Sara Del Valle (Los Alamos National Laboratory), and Arnie Horta (NSA). **Moderator:** Talitha Washington (Howard University).  
*Location: Bruin Reception Room*
- 4:00 - 5:00 **Careers in Industry**, featuring Tomas Kabbabe (Facebook), Luis Serrano (Udacity), & Joey Teran (UCLA).  
**Moderator:** Javier Arsuaga (UC Davis).  
*Location: Bruin Reception Room*
- 6:00 - 8:00 Banquet (Hosted by IPAM)
- 8:30 - 9:30 Music: La Chamba