

WiMSoCal 2018
Saturday, March 24th, 2018
Pepperdine University
Schedule

Location: RAC Lobby and Courtyard

8:15 – 8:45 Registration, coffee and continental breakfast

Location: Elkins Auditorium

8:45 – 9:00 Brief Welcome

Talk Session I

Location: Plaza 188

- 9:00 – 9:20** Victoria Noquez, Harvey Mudd College
Notions of Minimality in Continuous Logic
- 9:30 – 9:50** Xiao Xiao, California Institute of Technology
Hecke Orbit Conjecture for PEL Type Shimura Varieties
- 10:00 – 10:20** Eilidh McKemmie, University of Southern California
Invariable Generation of Finite Classical Groups
- 10:30 – 10:50** Tamara Gomez, University of California, Santa Barbara
Knotty Outcomes in Billiard Boards of Hexagonal Tiles

Location: Plaza 189

- 9:00 – 9:20** Ning Ning, University of California, Santa Barbara
Weakly Interacting Particle Systems on Random Graphs (LLN, CLT, LDP)
- 9:30 – 9:50** Angela Wu, University of California, Los Angeles
Weak Tangents of the Sierpinski Carpet
- 10:00 - 10:20** Ami Radunskaya, Pomona College
At the Intersection of Free Speech and Abstract Proof: a Story
- 10:30 – 10:50** Felicia Tabing, University of Southern California
Mon Mathematics, Aesthetics, and Culture

Location: Plaza 190

- 9:00 – 9:20** Hyun-Jung Kim, University of Southern California
Time-Homogeneous Parabolic Anderson Model in One Space Dimension: Existence and Regularity of Solution
- 9:30 – 9:50** Weaam Alhejjalli, Claremont Graduate University
A Numerical Study of Steklov Eigenvalue Problem
- 10:00 – 10:20** Fanhui Xu, University of Southern California
On the Cauchy Problem for Integro-Differential Equations Associated to Alpha-Stable Like Processes
- 10:30-10:50** Cindy Blois, University of Southern California
Developing Metaphors Through Open-Ended Art Projects

This WiMSoCal Symposium is supported by the Dee Anna Smith Fund for Women in STEM. It is held in cooperation with the Association for Women in Mathematics.

Location: RAC Lobby

10:50 – 11:30 Coffee and Poster Session

Sophia Balkovski, University of California, Irvine

Genealogical or Geographic Distance: Defining African Color Terms

Jasmine Camero, California State University, Fullerton

A Ladder of Curvatures in the Geometry of Surfaces

Havi Ellers, Harvey Mudd College

Intersecting Finite Sets of Positive Definite Integral Binary Quadratic Forms

Nathalie Huerta, California State University, Channel Islands

Exploring Survival on the RMS Titanic with Machine Learning

Location: Various

11:30 – 12:30 Breakout Sessions (Plaza: 188, 189, 190, 191. RAC: 138, 170, 175, 178)

12:30 – 1:30 Lunch (RAC Courtyard)

Location: Elkins Auditorium

1:30 – 2:30 Keynote Address

Lily Khadjavi, Loyola Marymount University

The ABC Conjecture and Elliptic Curves

Location: RAC Lobby and Courtyard

2:30 – 3:00 Coffee

Talk Session II

Location: Plaza 189

3:00 – 3:20 Maria Van Der Walt, Westmont College

A Deep Learning Approach to Diabetic Blood Glucose Prediction

3:30 – 3:50 Stephanie Lewkiewicz, University of California, Los Angeles

An ODE Model of the Human T-Cell Pool During Thymic Atrophy

4:00 – 4:20 Melike Sirlanci, University of Southern California

Estimating Input to a Random Diffusion Equation Model for an Alcohol Biosensor Problem

4:30 – 4:50 Lora Weiss, University of California, Irvine

Cellular Control Networks and Their Stability Against Mutations

Location: Plaza 190

3:00 – 3:20 Gulhan Bourget, California State University, Fullerton

Transmission Disequilibrium Test

3:30 – 3:50 Myra Interiano, University of California, Irvine

Musical Trends and Predictability of Success in Contemporary Songs On and Off the Top Charts

4:00 – 4:20 Jennifer Havens, Harvey Mudd College

Application of t-SNE to Biological Data

4:30 – 4:50 Nasima Bhuiyan, Claremont Graduate University

Left Turn Saturation Flow Rate Model Using Regression Model at Signalized Intersections

Location: RAC Lobby and Courtyard

5:00 – 6:00 Snacks and Refreshments