

WiMSoCal Symposium
Saturday, October 27, 2012
University of Southern California
Schedule

The stars next to a speaker's name indicate their rating of their talk in terms of the mathematical background needed to understand it. The number of stars is inversely related to how much mathematical background will be assumed; three stars indicate that almost everybody will be able to understand almost everything.

KAP 410

8:15 – 9:00 Registration, coffee and continental breakfast

Talk Session I

KAP 144

9:00 – 9:20 Kaitlyn Hood, UCLA **

Asymptotics and Numerics of Inertial Migration

9:30 – 9:50 Weiwei Hu, USC **

Feedback stabilization of Boussinesq Equations and Approximation

10:00 – 10:20 Cynthia Flores, UC Santa Barbara **

The great wave of translation

10:30 – 10:50 Liming Wang, Cal State LA **

SAT - a critical quantity for noise attenuation in feedback systems

KAP 146

9:00 – 9:20 Katarzyna Williams, USC

Distribution of Visits to Balls in a Mixing Dynamical System

9:30 – 9:50 Laura Zirbel, UC Santa Barbara * * *

Knotting in a New Model for Self Avoiding Random Walks

10:00 – 10:20 May Mei, UC Irvine **

Forbidden Symmetries: Modeling Quasicrystals

10:30 – 10:50 Maree Jaramillo, UC Santa Barbara

Smooth Metric Measure Spaces with Bakry-Emery Ricci Curvature Bounded Below

KAP 156

9:00 – 9:20 Ashley Klahr, UC San Diego

Embedding Cycles and Bipartite Graphs in $PG(n, q)$

9:30 – 9:50 Elizabeth Leyton Chisholm, UC Santa Barbara

On Linearity of Euclidean Artin Groups

10:00 – 10:20 Katie Walsh, UC San Diego **

The Coefficients of the Colored Jones Polynomial

10:30 – 10:50 K. Grace Kennedy, UC Santa Barbara * * *

A Diagrammatic Multivariate Alexander Invariant of Tangles

KAP 410

11:00 – 11:20 Coffee

11:20 – 12:15 Breakout Sessions (Various Rooms - see next page)

12:15 – 1:30 Lunch

SGM 124

1:30 – 2:30 Erica Flapan, Pomona College **
 Keynote Address
Topological Symmetry Groups

KAP 410

2:30 – 3:00 Coffee

*Talk Session II***KAP 144**

3:00 – 3:20 Selenne Garcia-Torres, USC **

Structured Two-Stage Population Model with Migration

3:30 – 3:50 Lucy Odom, Cal State Fullerton and Aparna Sarkar, Pomona College
Dendritic Cell Based Immunotherapy for Melanoma

4:00 – 4:20 Jacqueline Dresch, Harvey Mudd College **
*Two-layer mathematical modeling of gene expression:
 Incorporating DNA-level information and system dynamics*

KAP 146

3:00 – 3:20 Jaclyn Lang, UCLA **

Introduction to p-adic modular forms

3:30 – 3:50 Cynthia Northrup, UC Irvine
Forcing a model in which \diamond fails

4:00 – 4:20 Amanda Curtis, UC Santa Barbara
Classifying annihilator ideal graphs of commutative artinian rings

KAP 156

3:00 – 3:20 Brandi Bailes, Cal Poly Pomona * * *

Optimization in Baseball Lineups

3:30 – 3:50 Alona Chubatiuk, USC
*Estimation of an unknown probability distribution using
 stick-breaking priors*

4:00 – 4:20 Deanna Needell, Claremont McKenna College **
*Robust image recovery via total-variation minimization:
 A story through pictures*

4:30 – 4:50 Jackie Dewar, Loyola Marymount * * *
Women and Mathematics: A Course and a Scholarly Investigation

KAP 410

4:30 – 6:00 Wine & Cheese

Room Assignments for Breakout Groups.

See your badge for your breakout group number.

Grp 1: KAP 427 (Small seminar room)	Grp 2: KAP 410 (Tea room)	Grp 3: KAP 414 (Colloquium room)
Grp 4: KAP 245 (Larger seminar room)	Grp 5: KAP 263 (Math Center)	Grp 6: KAP 256 (Math Center adjacent)
Grp 7: KAP 144 (Classroom)	Grp 8: KAP 146 (Classroom)	Grp 9: KAP 156 (Classroom)

The WiMSoCal Symposium is made possible with the cooperation of the Association of Women in Mathematics, The EDGE Southern California mentoring network, the USC Women in Math, Loyola Marymount University, and the Department of Mathematics at Pomona College.

Organizers: Alissa Crans, LMU, Cymra Haskell, USC and Ami Radunskaya, Pomona College