

2nd Annual Southern California Women in Math Symposium
Sat Feb 20, University of Southern California
Schedule

8:15–9:00 Coffee and continental breakfast in KAP 410

KAP 414:

9:00–9:30 Asuman Aksoy, Claremont McKenna College
Some Results on Metric Trees.

9:30–10:00 Jessica Grossbard, Cal State Los Angeles
The Fractional Chromatic Number of Integer Distance Graphs.

10:00–10:30 Nishu Lal, UC Riverside
Spectral Analysis on Self-Similar Sets.

10:30–11:00 Mihaela Ignatova, University of Southern California
Spatial Complexity of Solutions to Parabolic Differential Equations with Gevrey Coefficients.

KAP 245:

9:00–9:30 Maria Isabel Bueno Cachadina, UC Santa Barbara
Maximum exponent of boolean circulant matrices with fixed number of nonzero entries in its generating vector.

9:30–10:00 Kate Longo, UC Irvine
A new fourth order PDE for image processing.

10:00–10:30 Jen-Mei Chang, Cal State Long Beach
Applying Image Processing Techniques to Promote Conceptual Understanding in Linear Algebra Classes.

10:30–11:00 Anna Varvak, Soka University
Problems with "problem solving."

11:00–11:30 Coffee in KAP 410

11:30–12:15 Breakout sessions. (Various rooms)

12:15–12:30 Sessions report back to larger group in KAP 414

12:30–2:00 Lunch in KAP 410

2:00–3:00 Susan Montgomery, University of Southern California
Keynote Address in KAP 414
Non-commutativity: from physics to groups and Hopf Algebras.

3:00-3:30 Coffee

KAP 414:

3:30-4:00 Joanna Bieri, University of Redlands

Edge Flames in Narrow Channels.

4:00-4:30 Alethea Barbaro, UCLA

Agent-based models of social dynamics.

4:30-5:00 Sarah Eichhorn, UC Irvine

Cycloidal cracks on Europa.

KAP 245:

3:30-4:00 Rena Levitt, Pomona College

Combinatorial Geodesics in Triangle-Square Complexes.

4:00-4:30 Eliana Zoque, UC Riverside

On the variety of almost commuting nilpotent matrices.

4:30-5:00 Ursula Whitcher, Harvey Mudd College

Periods, Picard-Fuchs Equations, and Elliptic Curves.

5:00-5:30 Wrap-up with wine and cheese in KAP 410

The Annual Southern California Women in Math symposia are generously supported by the EDGE Southern California mentoring network, WiSE at the University of Southern California, and the Dept of Mathematics at the University of Southern California.

Organizers:

Alissa Crans, Loyola Marymount University

Cymra Haskell, University of Southern California

Ami Radunskaya, Pomona College