WiMSoCal Symposium

4th Annual Women in Mathematics in Southern California Symposium
Saturday, January 21, 2012, Loyola Marymount University

Schedule

8:45–9:30   Registration, coffee and continental breakfast,
                   Math Dept

Talk Session I

University Hall 2786:

9:30 – 9:50   Erica Flapan, Pomona College
                   Intrinsic properties of graphs embedded in R^3
10:00 – 10:20   Ellie Grano, UCSB
                   Disambiguated Temperley-Lieb Algebra
10:30 – 10:50   Alison Gilmore, UCLA
                   An algebraic approach to knot Floer homology
11:00 – 11:20   Heather Russell, USC
                   A reduced set of moves on a special subset of knot diagrams

University Hall 2330:

9:30 – 9:50   Gulhan Bourget, CSU Fullerton
                   Missing Data in Transmission Disequilibrium Test with One Sib
10:00 – 10:20   Shanshan Xu, USC
                   Non-parametric Multivariate Hypothesis Testing
10:30 – 10:50   Alona Chubatiuk, USC
                   Nonparametric Bayesian Method of Estimating an Unknown Probability Distribution
11:00 – 11:20   Nadejda Dyakevich, CSU San Bernardino
                   Long Term Behavior of Solutions for Bernoulli Initial Value Problems

University Hall 2727:

9:30 – 9:50   Cymra Haskell, USC
                   The Stochastic Beverton-Holt Equation
10:00 – 10:20   Lixian Chen, CSU, San Marcos
                   The Lotka-Volterra Predator-Prey Model and Harvesting Strategies
10:30 – 10:50   Aisha Najera, CGU

	A cellular automaton model for drug release from a matrix tablet
11:00 – 11:20	Katja Goldring & Francesca Grogan, UCLA
	Difference Equations with an Allee Effect and the Periodic Sigmoid Beverton-Holt Equation Revisited

University Hall 2700

11:20 – 11:50	Coffee break
11:50 – 12:45	Breakout sessions. (Various rooms)
12:45 – 2:00	Lunch

Seaver 100

2:00 – 3:00	Kristin Lauter, Microsoft, San Diego
	Keynote Address
	Elliptic Curve Cryptography & Applications

University Hall 2700

3:00 – 3:30	Coffee

Talk Session II

University Hall 2786:

3:30 – 3:50	Maria Isabel Bueno Cachadina, UC Santa Barbara
	Eigenvectors for some families Fiedler-like linearizations
4:00 – 4:20	Yi Yang, UCLA
	Binary Matching Pursuit in 1-Bit Compressive Sensing and Matrix Completion
4:30 – 4:50	Marilyn Vazquez, CSU, Long Beach
	Vascular Network Extraction of Small Veins on Placental Surfaces

University Hall 2330:

3:30 – 3:50	Yanping Ma, Loyola Marymount
	Population Dynamics Study of Heterotypic Cell Aggregations in the Near-wall Region of a Shear Flow
4:00 – 4:20	Erin Byrne, Harvey Mudd College

The Post-fragmentation Density Function for Bacterial Aggregates

University Hall 2727:

3:30 – 3:50	Anna Varvak, Soka Univ of America
	Generalized continued fractions: a new way of seeing the familiar
4:00 – 4:20	Sonja Mitchell, UCSB
	A Type B Version of Thompson's Group F
4:30 – 4:50	Yen Duong, UC Santa Barbara
	An overview of philosophies of math

University Hall 2700:

5:00 – 6:00	Wrap-up with wine and cheese

The EDGE Southern California mentoring network, the USC Women in Math, Loyola Marymount University, and the Department of Mathematics at Pomona College generously support the WiMSoCal Symposium.

Organizers:
Alissa Crans, Loyola Marymount University
Cymra Haskell, University of Southern California
Ami Radunskaya, Pomona College