6th Annual
Women in Mathematics Symposium

Saturday, October 19, 2013
University of California, Riverside

Schedule

Surge Building 285
9:00 – 9:30  Registration, coffee and continental breakfast

Talk Session I

Surge Building 284
9:30 – 9:50  Amanda Ruiz, Harvey Mudd College
Shi arrangements, parking functions, and mixed graphs

10:00 – 10:20  Gizem Karaali, Pomona College
Supercharacters and Their Superpowers

10:30 – 10:50  Cindy Tsang, UCSB
Galois module structure of abelian extensions

Surge Building 268
9:30 – 9:50  Tatiana V. Tatarinova, USC
Reaching the Holy Grail of Biogeography – from Genome to Home Village

10:00 – 10:20  Jacquelyn Rische, UCI
Regularization of languages by learners: a mathematical framework

10:30 – 10:50  Helen Parks, UCSD
Using math in industry: Implementing a smarter graphics algorithm

Surge Building 285
10:50 – 11:15  Coffee break

Keynote Address

Surge Building 284
11:15 – 12:15  Vyjayanthi Chari, UCR
Posets of Partitions, Row Shuffles and Schur positivity
**Surge Building 285**

12:15 – 1:15  Lunch
1:30 – 2:15  Breakout sessions (Various rooms)
2:15 – 2:45  Coffee and cookies

**Talk Session II**

**Surge Building 284**

2:45 – 3:05  Johanna Hennig, UCSD  
*Locally finite Lie algebras in positive characteristic*

3:15 – 3:35  Lisa Schneider, UCR  
*Modules with Demazure Flags and Character Formulae: Part 1*

3:45 – 4:05  Peri Shereen, UCR  
*Modules with Demazure Flags and Character Formulae: Part 2*

4:15 – 4:35  Katie Walsh, UCSD and USD  
*Patterns and Stability in the Coefficients of the Colored Jones Polynomial*

**Surge Building 268**

2:45 – 3:05  Cynthia V. Flores, UCSB  
*On a decay property of solutions to the Benjamin-Ono equation*

3:15 – 3:35  Samantha Xu, UCLA  
*Invariant Measures and Hamiltonian PDEs*

3:45 – 4:05  Maree Jaramillo, UCSB  
*On Fundamental Groups and Smooth Metric Measure Spaces*

**Surge Building 285**

4:45 – 5:45  Wine and cheese social