

SCHEDULE OF TALKS

Rm*	Time	Speaker	Institution	Title
Morning Session				
138	10:00-10:15	Jennifer Murguia	Pepperdine	Silver Birthday
	10:20-10:35	Lucy Orozco & Cinthia Vega	Loyola Marymount	Encouraging Girls in Math
	10:40-10:55	Brent Hancock	Pepperdine	A Sinkhorn-Knopp Algorithm Fixed Point Problem: Results Involving Patterned Matrices
	11:00-11:15	Samuel Ivy & Cheryl Outing	Morehouse College	4-Covering Maps On Elliptic Curves with Torsion Subgroup $Z_2 \times Z_8$
Moderator: David Strong, Pepperdine University				
139	10:00-10:15	Alaena Alilin	UC Merced	Fick's Law on the Nanoscale
	10:20-10:35	Victor La	UC Riverside	The Ubiquity of Pi
	10:40-10:55	Jimmy Urrutia & Rosemary Waithaka	CSU San Bernadino	Coloring on the real line
	11:00-11:20	Jonathon Chen	UC Merced	Stability Analysis: an introduction to stable and unstable systems
Moderator: Min-Lin Lo, CSU San Bernadino				
141	10:00-10:15	Melissa Bilbao	Cal Poly Pomona	The Effects of Maternal Age on the Prevalence of Autism
	10:20-10:35	Monica Prado	Cal Poly Pomona	The Lambert-W Function
	10:40-10:55	Randy Sierra	Cal Poly Pomona	A Mathematical Approach to Scapholunate Dissociation Healing Process
	11:00-11:15	Andrew Masters	Pepperdine	The First Hundred Numbers
Moderator: Phil Yates, Cal Poly Pomona				
142	10:00-10:15	Franque Bains	CSU Los Angeles	Fixed points of number derivatives modulo n
	10:20-10:35	Kristen Anderson	Pepperdine	Analysis of the Sinkhorn-Knopp Algorithm: Introduction and Theory
	10:40-11:00	Sarah Fletcher	Harvey Mudd	Exploring (k,m)-Agreeability in Tree Societies
Moderator: Carol Adjemian, Pepperdine University				
143	10:00-10:15	Kathryne Kistler	California Baptist U.	Why Knot?
	10:20-10:35	Maxim Gilula	UC Irvine	Root Hair Growth in Arabidopsis Thaliana
	10:40-11:00	Nicole Winkler	Augustana College	The Birds and the Bees: An Exploration into Mammalian, Insect, Avian, and Fish swarming in both One- and Two- Dimensions
Moderator: Lisa Hernandez, California Baptist University				

*All rooms are located in the Engineering 2 Building.

SCHEDULE OF TALKS

Rm*	Time	Speaker	Institution	Title
Afternoon Session				
138	1:20-1:40	Christopher Gutierrez & Max Velado	CSU Bakersfield	A Time Series Intra-Video Collusion Attack on Frame-by-Frame Video Watermarking
	1:45-2:05	Natalie Durgin	Harvey Mudd	Abelian Sandpiles on Symmetric Graphs
	2:10-2:30	Skylar Trigueiro	Whittier College	A New 4th Order Accurate Numerical Scheme For Solving Systems of Hyperbolic Conservation Laws
Moderator: Mark Kozek, Whittier College				
139	1:20-1:40	Benjamin Preskill	Harvey Mudd	Nonexistence of Continuous Solutions to a Semilinear Wave Equation
	1:45-2:05	Ted Spaide	Harvey Mudd	Fast Fourier Transforms on the Special Linear Group
	2:10-2:30	Hendrik Orem	Harvey Mudd	Fast Matrix Multiplication via Group Actions
Moderator: Michael Orrison, Harvey Mudd College				
141	1:20-1:40	Derek DeSantis, Josefina Flores & Kathleen Lewis	CSU Channel Islands	Mathematical Modeling for Structured Textures
	1:45-2:05	Melanie Stuart	Southwestern College	MESA Member Southwestern College
	2:10-2:30	Joe Adams	UC Riverside	DFT, FFT, and NTT
Moderator: Brian Fisher, Pepperdine University				
142	1:20-1:40	Konrad Aguilar	Cal Poly Pomona	Pricing Call Options Under the Binomial Model
	1:45-2:05	Dorian Smith	CSU Los Angeles	The AGM and Lemniscate
	2:10-2:30	Manuel Segura	CSU Los Angeles	A unifying approach to several classes of metric spaces
Moderator: TBD				
143	1:20-1:40	Tim Carrell	Pomona College	The Surface Biquandle
	1:45-2:05	Johanna Hennig	Scripps College	Knot Invariants from Quandles and Racks
	2:10-2:30	Waseem Khan	CIIT, Islamabad, Pakistan	SOLUTION of nonlinear equation by Numerically techniques
Moderator: Sam Nelson, Claremont McKenna College				

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