

The DC Math Graduate Student Meeting

Saturday, April 25, 2009		Media and Public Affairs, room 309
8:30 - 8:55	Registration and Breakfast	
	Session 1 (9:00 - 11:00)	
9:00 - 9:20	Ryan Hoban	Spherical and hyperbolic shadows
9:30 - 9:50	Michael Coleson	Easy examples of weakly n -dimensional spaces
10:00 - 10:20	Chatchawan Panraksa	The three-segment unit arc with maximum width
10:30 - 10:50	Cindy Merrick	Characterizing Choquet simplices in \mathbb{R}^n
11:30 - 12:30	Jane Gilman (Rutgers University and the National Science Foundation) Continued fractions and the geometry of hyperbolic 3-manifolds	
12:30 - 1:30	Lunch, to be provided by the organizers	
	Session 2 (1:30 - 4:00)	
1:30 - 1:50	Stefan Mendez-Diez	D -Branes
2:00 - 2:20	Cecilia Gonzalez Tokman	Scaling laws for bubbling bifurcations
2:30 - 2:50	Tyler White	Ergodic properties of Chacon's transformation
3:00 - 3:20	Hunter Brooks	Kubota and Leopoldt's p -adic L -functions
3:30 - 3:50	Leah Marshall	Arnold's cat map – A Markov partition
	Session 3 (4:30 - 6:30)	
4:30 - 4:50	Jeffrey Frazier	A brief introduction to actions on trees
5:00 - 5:20	Hillary Einziger	Forest formula for the antipode in incidence Hopf algebras of posets
5:30 - 5:50	Forest Fisher	The cozinbiel bialgebra of graphs
6:00 - 6:20	Ken Shoda	Super-exponential families of nonisomorphic matroids having the same Tutte polynomial

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Sunday, April 26, 2009		Media and Public Affairs, room 309
	Session 4 (9:00 - 10:30)	
9:00 - 9:20	Andrew Sanders	What is an infinitesimal rotation
9:30 - 9:50	Lars Aiken	Non-normality points of beta-X
10:00 - 10:20	John Johnson	Ramsey theory and matrices
11:00 - 12:30	Panel Discussion: Working in Mathematics Panelists: Jill Calhoun, John Conway, Eden Costagliola, Dean Evasius, Chris McKenna, Teresa Przytycka	
12:30 - 1:30	Lunch, to be provided by the organizers	
	Session 5 (1:30 - 3:30)	
1:30 - 1:50	Poorani Subramanian	A Boundary value problem in genomics
2:00 - 2:20	Michael Coleman	Modeling the shape of deployable large aperture antennas
2:30 - 2:50	Andrew Samuelson	On the elastodynamics of intracranial aneurysms
3:00 - 3:20	Gregory Cochran	Pattern formation in Cahn-Hilliard systems
	Session 6 (4:00 - 6:00)	
4:00 - 4:20	Karl Schmitt	The synchronization of chaotic systems, an introduction and case study of synchronization conditions
4:30 - 4:50	Emily J King	Smooth functions associated with wavelet sets on \mathbb{R}^d and frame bound gaps
5:00 - 5:20	Ritaja Sur	Time series classifications
5:30 - 5:50	Timothy Myers	The Gauge integral: its relationship and application to the Lebesgue integral