



Department of Mathematics
Society for Industrial and Applied Mathematics (SIAM)
& American Mathematical Society (AMS)
UH Student Chapter

Graduate Student Paper Presentations 2014

Friday, April 4, 2014
12:30-5:00 pm
Room: SEC 103

UH SIAM and UH AMS invite you to attend second Graduate Students Paper Presentations Event of the Department of Mathematics at University of Houston. A panel of professors (Drs. Heier, Labate, Onofrei, Ott and Tomforde) will evaluate the talks, and four presentations will be awarded. The schedule for the event is as follows:

Time	Speaker	Title
12:30-1:00	Pizza and Food	-
12:55-1:00	Introduction	-
1:00-2:00	Group 1 Presentations	-
1.00-1:15	Tan Ren	Runge-Kutta Discontinuous Galerkin Method for Traffic Flow Model on Networks
1.15-1:30	Ricky Ng	Tensor Product of Operator Systems
1.30-1.45	Rahul Kumar	Control of Diffusion Phenomena on a Sphere
1.45-2.00	Burcin Ozcan	Automated Extraction of Neurite Segments from Neuron Images
2.00-2.15	Break 1	-
2.15-3.15	Group 2 Presentations	-
2.15-2.30	Nicholas Maxwell	Gaussian-Polynomial Directional Representation Systems
2.30-2.45	Eric Platt	Modeling Nonlinear Properties and Fracture Mechanics of Elasto-viscoplastic Materials By Use of an Integrity Property
2.45-3.00	Satish Pandey	Characterization of \mathcal{AN} -Operators
3.00-3.15	Pei Yang	High Order Maximum Principle Preserving Finite Volume Method for Convection-Diffusion Equation
3.15-3.30	Break 2	-
3.30-4.45	Group 3 Presentations	-
3.30-3.45	Angelynn Alvarez	Positive Holomorphic Sectional Curvature on Projectivized Vector Bundles
3.45-4.00	Akshay Agrawal	Plane Wave Discontinuous Galerkin Methods for the 2D Helmholtz Equation
4.00-4.15	Manuel Lopez	Excentury: C++ to scripting languages
4.15-4.30	Danil Safin	A Narrow-band Unfitted Finite Element Method for Elliptic PDEs on Surfaces
4:30-4:45	Tristan Whalen	Classifying Leavitt Path Algebras Using Algebraic K -Theory
4:45-5:00	Awards and Results	-

****Pizza will be served beginning 12:30pm in SEC 103.****

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www.math.uh.edu/uhsiam and www.math.uh.edu/uham