

Applied Mathematics USRA Conference
Monday August 8, 2016
MC 5501

Agenda:

8:45--9:00		<i>Coffee/tea & cookies</i>
9:00 - 9:15	Ding Jia	Integration by Differentiation
9:15 - 9:30	Winter Yang	Allelopathy: a competitive model of cell groups and mathematical analysis
9:30 - 9:45	Laura Chandler	Modelling Springtime Convection in Lakes
9:45 - 10:00	Nicole Pitre	Scientific Computing in Shallow Water Flows
10:00 - 10:15	Taylor Zhang	A new method to filter and reconstruct signals with time-varying bandwidths
10:15 - 10:30	Angel Nguyen	Unilateral Incompatibility as a Mechanism for Plasmid Displacement
10:30 - 10:45		<i>Coffee/tea & cookies</i>
10:45 - 11:00	Emily Tyhurst	Buoyant River Plumes in Large-Scale Simulations
11:00 - 11:15	Emma McKay	What does a superconducting qubit look like to the EM field?
11:15 - 11:30	Carlos Valero	Separation of the Hamilton-Jacobi equation
11:30 - 11:45	Cameron Meaney	Optimization of Cancer Therapy Plans
11:45 - 12:00	Nicholas Pun	Generalized Sampling Theory and Jumping Champions
12:00 - 12:15	Duncan Forster	Computing Discrete Abstractions Using Interval Analysis
12:15 - 2:00		<i>Lunch</i>
