



National Science Foundation



Florida Institute of Technology

Research Experience for Undergraduates 2014-2016
Partial Differential Equations and Dynamical Systems
Department of Mathematical Sciences

MAC Symposium Schedule
Tuesday, July 26, 2016

10:30am-10:35am	Introduction Professor Ugur G. Abdulla, REU Director
10:35pm-11:00pm	<i>Evolution of Free Boundaries for the Nonlinear Fokker-Planck Equation with Reaction</i> Robert Balkin and Elizabeth Schloss
11:05pm-11:30pm	<i>Frechet Differentiability in Optimal Control of the Stefan Problem</i> Rajendra Beekie and Nadab Wubshet
11:35am-12:00	<i>Second Minimal Orbits, Sharkovski Ordering and Universality in Chaos.</i> Rashad Abdulla, Muhammad Abdulla and Emily Ribando-Gros
12:00noon-1:00pm	Lunch Break
1:30pm-1:55pm	<i>Analysis of Free Boundaries for the Nonlinear Double-Degenerate Reaction-Diffusion Equations</i> Montie Avery and Naba Mukhtar,
2:00pm-2:25pm	<i>Numerical Analysis of the Inverse Free Boundary Problems for Parabolic PDEs via Gradient type Methods in Besov-Sobolev Spaces</i> Carlos Seda and Taylor Spino