



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
Wednesday, July 21, 2015

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</i> Luke Andrejek and Cristie Campbell
11:05pm-11:30pm	<i>State Constrained Optimal Control of the Stefan Type Free Boundary Problems</i> Curtis Earl, Chelsey Hoff and Ryan Stees
11:35am-12:00	<i>On the Fine Classification of Periodic Orbits of the Continuous Endomorphisms on the Real Line and Universality in Chaos.</i> Rashad Abdulla, Muhammad Abdulla and Alyssa Turnquist
12:00noon-1:00pm	Lunch Break
1:05pm-1:30pm	<i>Analysis of Interfaces for the Nonlinear Double-Degenerate Reaction-Diffusion Equations</i> Chloe Ondracek and Sunny Parimoo,
1:35pm-2:00pm	<i>Frechet Differentiability in Optimal Control of the Free Boundary Problems for the Second Order Parabolic PDEs</i> Jessica Pillow and Dylinger Pittman
2:05pm-2:30pm	<i>On the Optimal Control of the Multiphase Stefan Problem</i> Bruno Poggi
