



National Science Foundation



Florida Institute of Technology

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

Symposium Schedule
Crawford Building, Room 230
Thursday, July 24, 2014

2:00pm-2:10pm

Introduction

Professor Ugur G. Abdulla, REU Director

2:15pm-2:40pm

Student Research Presentation

Analysis of Interfaces for the Nonlinear Diffusion Equation with Linear Convection.

By Kev Johnson, Lauren Lanier, and Taylor Schluter

Mentors: Dr. Ugur Abdulla and Dr. Jian Du

Graduate Student Assistant: Jonathan Goldfarb

2:45pm-3:10pm

Student Research Presentation

On Some Inverse Free Boundary Problems for the Second Order Parabolic PDEs.

By Nicholas Crispi, Daniel Kassler,
Scott Pelton-Stroud, and Paige Williams

Mentor: Dr. Ugur Abdulla

Graduate Student Assistants: Jonathan Goldfarb and Bruno Poggi

3:15pm-3:40pm

Student Research Presentation

On the Structure of Minimal $4(2k + 1)$ -orbits of the Continuous Endomorphisms on the Real Line and Universality in Chaos.

By Rashad Abdulla, Batul Kanawati, and Anders Ruden

Mentors: Dr. Ugur Abdulla and Dr. Mine Subasi

Graduate Student Assistant: Jonathan Goldfarb
