National Science Foundation

Florida Institute of Technology

Research Symposium in Mathematical Sciences

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Symposium Schedule

Friday, June 16, 2017 - MAC

2:25 – 2:30	**Introduction** Professor Ugur G. Abdulla
2:30 – 2:45	*Classification of the Third Minimal Orbits of the Continuous Endomorphisms and Universality in Chaos* Muhammad Abdulla and Jake Barrett
2:45 – 3:00	*Travelling-Wave Solutions for the Parabolic p-Laplacian Equation with Strong Absorption* Roqia Jeli and Adam Prinkey
3:00 – 3:15	*State Constrained Optimal Control of the Stefan Type Free Boundary Problems* Evan Cosgrove & Curtis Earl
3:15 – 3:30	*Evolution of Interfaces for the Nonlinear Diffusion-Convection Equation* Habeeb Aal Rkhais and Lamees Alzaki
3:30 – 3:45	*Gradient Method in Besov Spaces for the Optimal Control of Parabolic Free Boundary Problems* Ali Haqverdiyev
3:45 – 4:00	*Initial Formation of the Dead-Core and Explicit Asymptotics of the Interfaces for the Nonlinear Diffusion-Absorption Equation* Amna Abu Weden
4:00 – 4:15	*Breast Cancer Detection through Electrical Impedance Tomography and Optimal Control Theory* Saleheh Seif
4:15 – 4:30	*Optimal Diffraction Problem* Elise Aspray
4:30 – 4:45	*Identification of Parameters in Mathematical Biology* Roby Poteau