

**Titles of Projects for April 2016**

**(With Supervisors in Parenthesis)**

“Modeling Vortex-Induced Vibrations of Cables to Optimize Energy Capture”  
Julia Fraquelli, Manfred Kao, Palmira Pereira and Siobhan Powell (A. Lewis)

“Dynamic Vehicle Routing: The Road to Efficient Transportation”  
Jacob Malleau, Rehman Shivji, Aaron Short and Soraya Weaver (B. Gharesifard)

“Extremum Seeking Control Methods for Nonholonomic Source Seeking Vehicles”  
Matt Boyd, Taylor Reynolds and True Wilson (B. Gharesifard)

“Learning Algorithms in Team and Game Problems: An Application to Optimal Investment  
in a Stochastic Environment”  
Parker Hickey, Tanner Kotsopoulos, Riley Redpath, Justin Shimkovitz and Julian Wilson (S. Yuksel)

“Control and Analysis of Assisted Hip Motion”  
Stephan Dobri, Kathryn Hamilton, Julie Tseng and Caroline Via (R. Ellis and A. Lewis)

“Audio Denoising Using Stochastic Models”  
Graeme Baker, Jacqueline Craig, Adam Noble-Marks and James Vuckovic (A. Mansouri)

“Region Tracking in Image Sequences: With Applications in Medical Imaging and Gesture Tracking”  
Faisal Badran, Aaron Fong, Mandy Jor, Zachary Hervieux-Moore and Will Mueller (A. Mansouri)

“An Early Warning System for Geomagnetically Induced Currents in Long Conductors”  
Peter Davidson, Bailey Piggott, Leah Shorrock and Feiran Zhu (D. Thomson and A. Mansouri)