

Titles of Projects for April 2013

(With Supervisors in Parenthesis)

“Stochastic Image Models, Stochastic Gradient Descent, and Applications to Image Restoration”
Danny Grenzowski, Josh Levitan and Tristan Milne (A. R. Mansouri)

“Joint Source-Channel Coding for Deep-Space Communications”
Tyson Mitchell and Mikael Schlumpf (F. Alajaji and T. Linder)

“Control of an Airfoil in Viscous Flow”
Alex Gatza, Tiwa Lawal, and Cole Uemura (A. Lewis)

“Design of Region Merging Algorithms for Image Segmentation with an Extension to Splitting”
Dan Blair, Victoria Buckingham and Adina Goldberg (F. Alajaji and A.-R. Mansouri)

“Coding Strategies for Communication Networks with Feedback”
Duncan Macdonald and James Spencer (F. Alajaji),

“Control of the Heat Equation in a One-Dimensional Rod”
Michael Ip and Nick Vanstone (A.-R. Mansouri)

“Efficient Wireless Image Transmission over Noisy Binary Channels with Memory”
Jordan Rendall and Tayler Sokalski (F. Alajaji and T. Linder)

Design of a Method to analyze Motor Skills in Patients with Stroke
Joseph Derouin, Kevin Lee and Alex Pierratos (S. Scott and A. Lewis)