Titles of Projects for April 2006  (With Supervisors in Parenthesis)

“Spherical Pendulum”
by: Samuel Melnyk and Dina Sati  (R. Hirschorn and D. Voytsekhovsky)

“A Comparison of Control Strategies for Nonlinear Systems”
by: Paul Charbonneau, Thomas Norman and John Turriff  (A. Lewis and D. Tyner)

“Self-Organization and Goal-Seeking in a Multi-Agent Autonomous Robotics System”
by: Matthew Ingle and David MacPhee  (A. Lewis and D. Tyner)

“Linearization along a Trajectory for the J-BOT”
by: Mike Brannan, Mat Stevenson and Shuntaro Yamagishi  (A. Lewis and D. Tyner)

“The Effects of Riblets: Minimizing Skin Friction”
by: Natalie Beattie, Rachael Ibey and Christina Lyons  (A. Pollard (MECH) and A. Lewis)

“Public Key Cryptography: RSA, Discrete Logarithm, Elliptic Curve Cryptosystems”
by: Marc El Jichi and Paul Heakes  (E. Kani, F. Alajaji and F. Behnamfar)

“Adaptive Modulation Schemes with Channel Coding”
by: Adam Rytwinski and Mike Rooke  (F. Alajaji, G. Takahara and F. Behnamfar)

“Space-Time Block Codes for Multi-Antenna Fading Channels”
by: Adam Cohen and Gavin Mitchell  (F. Alajaji and F. Behnamfar)

“Turbo Codes that Exploit the Local Redundancy in Compressed Data”
by: Brett Galloway and David Powell  (F. Alajaji and F. Behnamfar)

“Investigation of Collision Avoidance System Via Beamforming”
by: Michael Greene, Christopher Seewald and Tomas Sollund  (D. Thomson and K. Lepage)

“Automation of HAW-1 Ocean Cable Analysis and Study of Sources of Interference”
by: Lindsay Smith  (D. Thomson, L. Lanzerotti, C. MacLennan and W. Burr)

“Sternocleidomastoid EMG During Dynamic Contractions: Experimental Data Signal Processing and Analysis”
by: Monique Martin and Mike Kennedy  (E. Morin (ECE) and G. Takahara)

“Site Investigation of Fort Henry”
by: Sheri Bowman and Danielle Krauel  (G. Pratt (GEOL) and D. Thomson)