M. S. Students Supervised – (from University of Maryland, except Evans)

Bruce Evans (M.S.) August 1979, Case Western Reserve University
Thesis: Model Reduction for Linear Systems

Leha Barkakati (M.S.) December 1981
Thesis: Model Reduction Algorithms

Mohamed El-Baraka (M.S.) May 1984
Thesis: Nonlinear Invertibility and Disturbance Decoupling for Attitude Control Problems

John Brozena (M.S.) May 1984
Thesis: Optimal Filtering of Oceanic Radar Altimetry from Aircraft

Shu-Chin (Alice) Wu (M.S.) May 1985
Scholarly Paper: A MACSYMA Program for Manipulator Modeling

Gilbert Haven Frank (M.S.) December 1986
Thesis: Design and Real Time Control of a Flexible Arm

Donald Merrifield (M.S.) June 1987
Thesis: Constrained Optimal Search for a Moving Target in a False Contact Environment

Fariborz Ebrahimi (M.S.) August 1986
Scholarly Paper: Fine Manipulation

Do-Wan Park (M.S.) August 1986
Scholarly Paper: Least Squares Estimation in Geophysical Data Analysis

Li-Sheng Wang (M.S.) August 1987
Thesis: Control System Design for a Flexible Arm

Xin Chen (M.S.) August 1987
Thesis: Object Oriented Manipulator Design Exerciser

Rui Yang (M.S.) August 1987
Thesis: Tactile Perception for Multi-fingered Hands

Yagyensh Chandra Pati (M.S.) August 1989
Thesis: Neural Networks for Low Level Processing of Tactile Sensory Data

John Bartusek (M.S.) August 1989
Thesis: Design and Digital Signal Processor Implementation of a Controller for Flexible Structures
Russell Byrne (M.S.) August 1990
Thesis: Interactive Graphics and Dynamical Simulation in a Distributed Processing Environment

Naomi Ehrich (M.S.) August 1991
Thesis: An Investigation of Control Strategies for Friction Compensation

Ioanis Salmatjidis (M.S.) August 1991
Thesis: Impact and Force Control of Flexible Manipulators

John Horst (M.S.) December 1991
Thesis: Depth from Spatiotemporal Compression and Temporal Cross-Correlation: A Theoretical and Empirical Analysis

Daryl Marvin (M.S.) May 1992
Thesis: Coordination of the Walking Stick Insect Using a System of Nonlinear Coupled Oscillators

Mark Desilets (M.S.) August 1992
Thesis: Analysis of Robotic Grasp with Applications to the Modular Dextrous Hand

Sanjay Mishra (M.S.) May 1993
Thesis: Control of Biped Locomotion Using Oscillators

Vikram Manikonda (M.S.) August 1994
Thesis: A Hybrid Control Strategy for Motion Planning and Obstacle Avoidance with Nonholonomic Robots
(joint advising with James Hendler)

Ramakrishnan Venkataraman (M.S.) May 1995
Thesis: A Hybrid Actuator

Eric Justh (M.S.) December 1994
Thesis: Convergence Analysis for a Class of Networks of Nonlinear Coupled Oscillators

Tharmarajah Kugarajah (M.S.) May 1995
Thesis: Neural Modeling with Wavelets and Application in Adaptive/Learning Control
(joint advising with W.P. Dayawansa)

Saurabh Dadu (M.S.) May 2001
Thesis: Biological Versus Subspace Methods in Sound Source Localization
(joint advising with Shihab Shamma)

Yu Mao (M.S.) December 2002
Thesis: Source Separation
Bijan Afsari (M.S.) May 2004
Thesis: *Geometric Methods in Simultaneous Diagonalization*

Zachary Kulis (M.S.) July 2006
Thesis: *Feedback Control of a Hovercraft over a Wireless Link*
(joint advising with Eric Justh)

Sandy Klemm (M.S.) July 2006
Thesis: *The Virtual Filament Model*

Puduru Viswanadha Reddy (M.S.) July 2007
Thesis: *Steering Laws for Pursuit*
(joint advising with Eric Justh)