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*

(joint advising with Shihab Shamma)

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)

Thomas Mason (M.S.) December 2014 (non-thesis)

Kenneth Miltenberger Jr. (M.S.) May 2016
Thesis: *Beacon-guided Robot Control*
(joint advising with Kevin Galloway)