

Ph.D. Students of P. S. Krishnaprasad

Mohamed L. El-Sayed (Ph.D.) August 1980, Case Western Reserve University,
Thesis: *Topics in Decentralized Control*
(Manager, Advanced Network Modeling & Optimization group at Bell Labs Research,
Alcatel-Lucent, in Murray Hill, NJ)

Amr Khadr (Ph.D.) August 1981, Case Western University (Co-Advisor: Clyde Martin)
Thesis: *On the Limiting Behavior of Families of Linear Systems: An Algebraic-Geometric Approach*

David Rohler (Ph.D.) December 1982, Case Western Reserve University,
Thesis: *A Covariance Subset Kalman Filter for Computer-Aided Tomography*
(President: Plexar Associates Inc., 1987 –)

Jae-Hong Han (Ph.D.) December 1986,
Thesis: *Symmetries in Nonlinear Control Systems and their Applications*

Narasimharao Sreenath (Ph.D.) August 1987,
Thesis: *Modeling and Control of Complex Multibody Systems*
(Assistant/Associate Professor: Case Western Reserve University 1987 – 2009, Full
Professor 2009 –)

Thomas Posbergh (Ph.D.) June 1988,
Thesis: *Modeling and Control of Mixed or Flexible Structures*
(Visiting Associate Professor of Electrical Engineering: University of Minnesota)

Li-Sheng Wang (Ph.D.) August 1990,
Thesis: *Geometry, Dynamics and Control of Coupled Systems*
(Professor: Institute of Applied Mechanics, National Taiwan University)

Rui Yang (Ph.D.) August 1992,
Thesis: *Nonholonomic Geometry, Mechanics and Control*
(Systems Engineer: Oncogene Inc 1992-1995; Member of Technical Staff: InterDigital
Communication, Inc. 1995 –)

Yagyensh Chandra Pati (Ph.D.) August 1992,
Thesis: *Wavelets and Time-Frequency Methods in Linear Systems and Neural Networks*
(Research Associate: Stanford University, 1992 – 1996, President and CEO, Numerical
Technologies Inc. 1996 – 2002, Silicon Valley Entrepreneur 2002 –, Co-founder and
CEO, Sezmi Corporation)

Naomi Ehrich Leonard (Ph.D.) August 1994,
Thesis: *Averaging and Motion Control*
(Assistant Professor: Princeton University, 1994-1998, Associate Professor 1998- 2003,
Full Professor 2003 -)

Yakup Ozkazanc (Ph.D.) August 1994,
Thesis: *Dynamics and Stability of Spacecraft with Fluid-filled Containers*
(Assistant Professor: Hacettepe University, Turkey, 1994 –)

Dimitrios Tsakiris (Ph.D.) May 1995,
Thesis: *Motion Control and Planning for Nonholonomic Kinematic Chains*
(Postdoctoral Fellow: INRIA, France, 1995 – 1998, Researcher: Institute for Computer Science (FORTH), Crete, January 1999 – January 2005, Principal Researcher: February 2005-)

Andrew M. Girard (Ph.D.) August 1997, (Co-Advisor: W. P. Dayawansa)
Thesis: *Semi-deformable Bodies in an Ideal Fluid*
(Member of Technical Staff, Mitretek, Virginia, August 1997 – 2006; Fellow, Noblis, 2006 –)

Vikram Manikonda (Ph.D.) December 1997,
Thesis: *Control and Stabilization of a Class of Nonlinear Systems with Symmetry*
(Member of Technical Staff: Scientific Systems Company, Inc., Woburn, MA, September 1997-March 1999, Senior Scientist, Intelligent Automation Inc., March 1999 –; Vice President, Intelligent Automation Inc., 2003 – 2008; President, Intelligent Automation, Inc., 2008 –)

Herbert Struemper (Ph.D.) December 1997,
Thesis: *Motion Control for Nonholonomic Systems on Matrix Lie Groups*
(Postdoctoral Fellow: Caltech, November 1997-1999; Senior Biosystems Engineer: Entelos Inc. 1999-2007; Senior Associate Scientist: Pharsight Corp. 2007-2008; Principal Clinical Pharmacokineticist: GlaxoSmithKline 2009 –)

Ramakrishnan Venkataraman (Ph.D.) February 1999,
Thesis: *Modeling and Adaptive Control of Magnetostrictive Actuators*
(Postdoctoral Research Associate: University of Maryland, February 1999-2000, Visiting Scientist: AFRL, Dayton 2000-2001, Texas Tech University: Assistant Professor of Mathematics 2001- 2008; Associate Professor of Mathematics, 2008 –)

Eric Justh (Ph.D.) December 1998,
Thesis: *Control of Large Actuator Arrays Using Pattern-forming Systems*
(Postdoctoral Research Associate: University of Maryland, January 1999-2001, Assistant Research Scientist: University of Maryland, 2001- 2006; Electronics Engineer: Naval Research Laboratory 2006 –, ISR Affiliate, 2006 –)

Andrew Newman (Ph.D.) December 1999,
Thesis: *Modeling, Reduction and Control with Applications to Semiconductor Processing*
(Senior Analyst: Alphatech Inc., January 2000- May 2003; Senior Engineer: The Johns Hopkins University Applied Physics Lab, May 2003 –).

George Kantor (Ph.D.) December 1999,
Thesis: *Networking of Smart Actuators and Sensors*
(Project Scientist/Systems Scientist: Robotics Institute, Carnegie Mellon University, 1999
–).

B. Azimi-Sadjadi (Ph.D.) August 2001,
Thesis: *Approximate Nonlinear Filtering with Applications to Navigation*,
(Research Assistant Professor: Rennselaer Polytechnic Institute, August 2001-2006;
Senior Scientist: Intelligent Automation, Inc. 2006 –)

Xiaobo Tan (Ph.D.) December 2002, (Co-Advisor: John Baras)
Thesis: *Control of Smart Actuators*,
(Research Associate: Institute for Systems Research, September 2002-2004,
Assistant Professor of Electrical and Computer Engineering, Michigan
State University, August 2004 – 2010, Associate Professor 2010 -)

Sean B. Andersson (Ph.D.) August 2003,
Thesis: *Geometric Phases in Sensing and Control*,
(Post-doctoral fellow and Lecturer in Applied Mathematics: Division of Engineering and
Applied Sciences, Harvard University, September 2003 – 2006; Assistant Professor,
Department of Mechanical Engineering, Boston University, 2006 –).

Fumin Zhang (Ph.D.) October 2004,
Thesis: *Geometric Cooperative Control of Robot Formations*.
(Post-doctoral Research Associate: Department of Mechanical and Aerospace
Engineering, Princeton University, November 2004 – 2006; Assistant Professor:
Department of Electrical and Computer Engineering, Georgia Institute of Technology,
2006 –).

Arash Komae (Ph.D.) July 2008, (Co-Advisor: Prakash Narayan)
Thesis: *Nonlinear Detection, Estimation, and Control for Free-Space Optical
Communication*
(Post-doctoral Research Associate: School of Management, University of Texas, Dallas,
2008-2009; Post-doctoral Research Associate: University of Maryland 2009 –)

Bijan Afsari (Ph.D.) July 2009, (Co-Advisor: Karsten Grove)
Thesis: *Means and Averaging on Riemannian Manifolds*
(Post-doctoral Research Associate: University of Maryland 2010 March – September
2010, the Johns Hopkins University October 2010 -)

Kevin S. Galloway (Ph.D.) September 2011, (Co-Advisor: Eric W. Justh)
Thesis: *Cyclic Pursuit: Symmetry, Reduction and Nonlinear Dynamics*
(Post-doctoral Research Associate: Department of Electrical & Computer Engineering,
University of Michigan, Ann Arbor 2011-)

Matteo Mischiati (Ph. D.) October 2011,
Thesis: *Analysis and Synthesis of Collective Motion: From Geometry to Dynamics*
(Post-doctoral Research Associate: Janelia Farm Research Campus, Howard Hughes
Medical Institute, October 2011-)