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 Algebro-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*

Narasingharao Sreenath (Ph.D.) August 1987,
Thesis: *Modeling and Control of Complex Multibody Systems*
(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 for 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 –)

Naomi Ehrich Leonard (Ph.D.) August 1994,
Thesis: *Averaging and Motion Control of Systems on Lie Groups*
(Assistant Professor: Princeton University, 1994-1998, Associate Professor 1998- 2003, Full Professor 2003 -, currently holds Edwin S. Wilsey Professorship)

Yakup Ozkazanc (Ph.D.) August 1994,
Thesis: *Dynamics and Stability of Spacecraft with Fluid-filled Containers*
(Assistant Professor: Haceteppe 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, 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 at 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 –, and now Principal Engineer).

George Kantor (Ph.D.) December 1999,
Thesis: *Networking of Smart Actuators and Sensors*
(Systems Scientist: Robotics Institute of 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 – 2015, Full Professor 2015 -)

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 – 2012, Associate Professor 2012 -).

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 – 2013, Associate Professor 2013, Full Professor 2017 -).

Arash Komaee (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 – 2012, Senior Research Associate: MIT 2012 – 2014, Technical Staff; Intelligent Automation Inc., 2015, Assistant Professor of Electrical Engineering: University of Southern Illinois 2015 -)

Bijan Afsari (Ph.D.) July 2009, (Co-Advisor: Karsten Grove)
Thesis: *Means and Averaging on Riemannian Manifolds*
(Post-doctoral Research Associate: University of Maryland, March 2010 – August 2010, Post-doctoral Research Associate: the Johns Hopkins University, September 2010 – 2014, Assistant Research Scientist: the Johns Hopkins University, 2014 -)

Kevin Galloway (Ph.D.) September 2011, (Co-Advisor: Eric Justh)

Thesis: *Cyclic Pursuit, Symmetry, Reduction and Dynamics*
(Post-doctoral Research Associate: University of Michigan, October 2011 – 2013, Assistant Professor of Electrical and Computer Engineering: US Naval Academy, July 2013 - , on civilian tenure-track since August 2015 - , Commander in US Navy Reserve)

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 of Howard Hughes Medical Institute, November 2011 – 2014, Research Scientist 2015 -)

Biswadip Dey (Ph.D.) February 2015
Thesis: *Reconstruction, Analysis and Synthesis of Collective Motion*
(Post-doctoral Research Associate and Lecturer: Princeton University, March 2015 – 2018, Research Scientist – Artificial Intelligence at Siemens Aug 2018 -)

Yunlong Huang (Ph.D.) August 2017
Thesis: *Optimal Control of Heat Engines in Nonequilibrium Statistical Mechanics*
(Post-doctoral Research Associate: University of Maryland, October 2017 – August 2018, Research Scientist at Ford Motors August 2018 -)

I currently advise three ECE Ph.D. students, Udit Halder (GRA), Vidya Raju (GRA) and Kenneth Miltenberger Jr (Coast Guard). Halder and Raju defended their PhD dissertations successfully in April and will graduate in May 2019.

Udit Halder (Ph.D.) May 2019
Thesis: *Optimality, Synthesis and a Continuum Model for Collective Motion*

Vidya Raju (Ph.D.) May 2019
Thesis*: Cognitive Control, Evolutionary Games and Lie Algebras*