

LIST OF RECENT DOCTORAL GRADUATES

Applied Mathematics:

- Ibrahim Kocaogul**, 2014, Hu. Computational Solutions of the Forward and Adjoint Euler Equations with Application to Duct Aeroacoustics.
- Drew Posny**, 2014, Wang. Analyzing Cholera Dynamics in Homogeneous and Heterogeneous Environments.
- Michael Pohrivchak**, 2014, Adam. Ray- and Wave-Theoretic Approach to Electromagnetic Scattering from Radially Inhomogeneous Spheres and Cylinders.
- John Gounley**, 2014, Peng. Modeling and Simulation of Shape Changes of Red Blood Cells in Shear Flow.
- Panon Phuworawong**, 2013, Zhou. Analysis and Simulation of Kinetic Models for Active Suspensions.
- Umaporn Nuntaplook**, 2013, Adam. Topics in Electromagnetic, Acoustic and Potential Scattering Theory.
- Chairat Modnak**, 2013, Wang. Optimal Control Modeling and Simulation, with Application to Cholera Dynamics.
- Caleb Adams**, 2011, Lasseigne. An Extensible Mathematical Model of Glucose Metabolism.
- Elena Craig**, 2011, Hu. Perfectly Matched Layer Absorbing Boundary Conditions for the Discrete Velocity Boltzmann-BGK Equation.
- Candice Gerstner**, 2011, Tweed. A 3-Dimensional Green's Function Solution Technique for the Transport of Heavy Ions in Laboratory and Space.
- Traci Sievenpiper**, 2011, Zhou. A Least Squares Closure Approximation for Liquid Crystalline Polymers.
- Robert Brown**, 2010, Noren. A Solution of the Heat Equation with the Discontinuous Galerkin Method Utilizing a Multiresolution Wavelet Basis.
- Shu Liao**, 2010, Wang. Mathematical Models and Stability Analysis of Cholera Dynamics.
- Khomsan Neaprem**, 2010, Kaneko. Post-Processing Techniques and Wavelet Applications for Hammerstein Integral Equations.
- Charles Tournon**, 2009, Lasseigne. An Adaptive Method for Calculating Blow-up Solution.
- Terri M. Grant**, 2008, Williams. Improved Constrained Global Optimization for Estimating Molecular Structure from Atomic Distances.
- Anne M. Fernando**, 2008, Hu. DGM - A Finite Difference Scheme based on Discontinuous Galerkin Method.
- Sarah Parrish**, 2008, Hu. Analysis and Application of Perfectly Matched Layer Absorbing Boundary Conditions for Computational Aerocoustics.
- Tony C. Slaba**, 2007, Tweed. Three Methods for Solving the Low Energy Neutron Boltzmann Equation.
- William H. Thomas III**, 2007, Swetits. On the Use of Quasi-Newton Methods for the Minimization of Convex Quadratic Splines.
- Pallop Huabsomboon**, 2006, Keyes. An Implicit Set Model for Firespread.
- Andrea D. Jones**, 2006, Hu. The Computation of Exact Green's Functions in Acoustic Analogy by a Spectral Collocation Boundary Element Method.
- Widodo Samyono**, 2006, Keyes. Hessian Matrix-Like Lagrange-Newton-Krylov-Schur-Schwarz Methods for Elliptic Inverse Problems.
- Steven A. Walker**, 2005, Tweed. The Straggling Green's Function Method for Ion Transport.
- Gary Feldman**, 2003, Tweed. A Forward-Backward Fluence Model for the Low-Energy Neutron Boltzmann Equation.
- Alvaro Islas**, 2003, Schober. Multi-Symplectic Integrators for Nonlinear Wave Equations.
- Boriboon Novapruteep**, 2003, Kaneko. Superconvergence of Iterated Solutions for Linear and Nonlinear Integral Equations: Wavelet Applications.
- Iain McKaig**, 2001, Adam. Mathematical Models of Quiescent Solar Prominences.
- Julia S. Arnold**, 2000, Adam. Diffusion Problems in Wound Healing and a Scattering Approach to Immune System Interactions.

Statistics:

- Pooja Sengupta**, 2014, Chaganty. Bivariate doubly inflated Poisson and related regression models.
- Rajan Lamichhane**, 2013, Diawara. Modeling Locally Changing Variable Structured Time Series Data Using Breakpoints Bootstrap Filtering.
- Sirisha Mushti**, 2013, Chaganty. Analysis of Continuous Longitudinal Data with ARMA(1,1) and antedependence correlation structures.
- Bhaskara Ravi**, 2012, Chaganty. Analysis of Discrete Probit Models with Structured Correlation Matrices.
- Rasika V. Jayatillake**, 2012, Kim. A Statistical Model to Determine Multiple Binding Sites of a Transcription Factor on DNA Using ChIP-seq Data.
- Raghavendra Rao Kurada**, 2011, Chaganty. Modeling and Analysis of Repeated Ordinal Data Using Coupla Based Likelihoods and Estimating Equation Methods.
- Manasi Sheth-Chandra**, 2011, Chaganty. The Doubly Inflated Poisson and Related Regression Models.
- Satish Indika**, 2010, Diawara. Semi-Parametric Likelihood Functions for Bivariate Survival Data.
- Corinne Wilson**, 2010, Naik. A Study of Relationships Between Family Members Using Familial Correlations.
- Weiming Yang**, 2010, Chaganty. Analysis of Models for Longitudinal and Clustered Binary Data.
- Yueqin Zhao**, 2010, Naik. Rao's Quadratic Entropy and Some New Applications.
- Raymond McCollum**, 2010, Naik. Canonical Correlation Analysis for Longitudinal Data.
- Roy Sabo**, 2007, Chaganty. Modeling and Efficient Estimation of Intra-Family Correlations.
- Jayesh Srinastava**, 2007, Naik. Canonical Correlation and Correspondence Analysis of Longitudinal Data.
- Yihao Deng**, 2006, Chaganty. Efficient Unbiased Estimating Equations for Analyzing Structured Correlation Matrices.
- Amal Helu**, 2005, Naik. Estimating Familial Correlations Using a Kotz Type Density.
- Deepak Mav**, 2005, Chaganty. Statistical Analysis of Longitudinal and Multivariate Discrete Data.
- Humberto Rocha**, 2005, Swetits. Principal Component Regression for Construction of Wing Weight Estimation Models.
- Kusaya Plungpongpan**, 2003, Naik. Analysis of Multivariate Data Using Kotz Type Distribution.