PAUL KUBERRY

701 Stephen Moody St. SE ⋄ Apt. 434 ⋄ Albuquerque, NM 87123
pkuberry@gmail.com ⋄ (814) 671 - 2406

EDUCATION

Clemson University, Clemson, SC,
Doctor of Philosophy in Mathematical Sciences, Anticipated May 2015, GPA 4.0
Dissertation: *Decoupling Fluid-Structure Interaction Problems* with Hyesuk Lee

Master of Science in Mathematical Sciences, May 2012, GPA 4.0
Project: *Genetic Algorithm and Nelder-Mead Hybrid* with Eleanor Jenkins

Clarion University of Pennsylvania, Clarion, PA,
Bachelor of Science in Mathematics and Honors program, May 2010, GPA 3.79

RESEARCH

"Convergence of a fluid-structure interaction problem decoupled by a Neumann control over a single time-step," P. Kuberry, and H. Lee. Submitted 2014.

"Analysis of a fluid-structure interaction problem recast in an optimal control setting," P. Kuberry, and H. Lee. Submitted 2014.

"A decoupling algorithm for fluid-structure interaction problems based on optimization," *Computer Methods in Applied Mechanics and Engineering* P. Kuberry, and H. Lee, 267 (2013) 594-605. doi: 10.1016/j.cma.2013.10.006

"Numerical and Theoretical Analysis of Interface Problems," *Mathematical Methods in the Applied Sciences*, Z. Li, , L. Wang, E. Aspinwall, R. Cooper, P. Kuberry, A. Sanders, and K. Zeng, (2013). doi: 10.1002/mma.2865

"Numerical approximation of the Voigt regularization for incompressible Navier-Stokes and magnetohydrodynamic flows," *Computers and Mathematics with Applications*, P. Kuberry, A. Larios, L. Rebholz, and N. Wilson, 64(8) (2012) 2647-2662. doi: 10.1016/j.camwa.2012.07.010

EMPLOYMENT

Student Intern, Sandia National Laboratories, Albuquerque, NM Spring 2014-Current
Naval Research Enterprise Intern, Naval Research Laboratory, Washington, D.C., Summer 2013
Graduate Teacher of Record, Department of Mathematical Sciences, Clemson University, Clemson, SC Fall 2011-Spring 2014
Teaching Assistant, Department of Mathematical Sciences, Clemson University, Clemson, SC Fall 2010-Spring 2011
Graduate Researcher, Numerical and Theoretical Analysis of Interface Problems., North Carolina State University, Raleigh, SC Summer 2010

PROFICIENCIES

C++	Python
MATLAB	Linux
Eclipse	git/svn
FreeFem++	LaTeX
R	Deal.II
HTML, XML, CSS, PHP, JavaScript	LINDO

RECOGNITION

Michael Case Award for promise in Graduate Research, September 2012
France Allison Scholarship for Professional Advancement, May 2010
Meritorious Award in COMAP Mathematics Contest in Modeling, April 2009
E.T.S. Excellence Award for Mathematics Content Knowledge, February 2009
U.S. Academic Scholarship : University Scholars Award

ACTIVITIES

President, Society for Industrial and Applied Mathematics, Clemson Chapter, 2013-2014
Vice-President, Pi Mu Epsilon (Honorary Mathematics Society), Fall 2009-Spring 2010
President, Clarion University Mathematics Club, Spring 2009-Spring 2010
Clemson University Creative Inquiry Poster Session Judge, 2013
Hurricane Relief (Katrina), 2009 : Hurricane Relief (Wilma), 2007