

Curriculum Vitae

Yanzhao Cao

Department of Math & Stat., Auburn University
Auburn, AL 36849

EDUCATION:

1996	Virginia Tech,	Ph.D. Mathematics Thesis advisor: Max D. Gunzburger
1986	Jilin University,	M.S. Mathematics Research area: Numerical analysis for PDEs
1983	Jilin University, (China)	B.S. Mathematics (No. 1 in average GPA) Major: Computational Mathematics

PROFESSIONAL EXPERIENCE:

8/2011 -	Professor, Auburn University
8/2008 - 8/2011	Associate Professor, Auburn University
8/1996 - 7/2008	Assistant and Associate Professor, Florida A& M University
8/2000 -	Affiliated faculty, School of Computational Sciences, Florida State University
9/1986 - 6/1991	Lecturer, Heilongjiang University, China

RESEARCH INTEREST:

Numerical Solutions for PDEs and Stochastic PDEs
Numerical Solutions for Integral Equations
Computational Methods in Optimal Control of Fluid Flow; Shape Optimization
Optimal Control Under Uncertainty

CURRENTLY FUNDED RESEARCH PROJECTS:

National Science Foundation (Principal Investigator), Analysis and numerical solutions for stochastic Stokes equations, 2006-2012.

National Science Foundation (Principal Investigator), CMG Collaborative Research: Multiphysics and multiscale modeling of karst aquifers, 2006-2010.

AFOSR (co-Principal Investigator), 2005-2011.