

Brief Curriculum Vitae

Yanzhao Cao

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

EDUCATION:

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

PROFESSIONAL EXPERIENCE:

10/2018 -	Don Logan Endowed Chair of Mathematics, Auburn University
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 -2008	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 for Optimal Controls of Fluid Flow; Shape Optimization
Optimal Control Under Uncertainty
BDSDE Methods for Nonlinear Filtering Problems
Uncertainty Quantification for Machine Learning/Deep Learning

EDITORIAL BOARD:

Associate editor Journal of Integral Equations and Applications, 2018–
Associate editor SIAM Journal on Numerical Analysis, 2007–
Associate editor International Journal on Numerical Analysis and Modeling, 2020–
Managing editor Communications in Mathematical Research, 2018–

AWARD:

Dean Faculty Research Award, College of Science and Mathematics, Auburn University, 2018.

SIAM Best Student Paper in Session Award, Clemson, 1996.