

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 Deep Learning

CURRENT AND RECENT FUNDED RESEARCH PROJECTS:

EDITORIAL BOARD:

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

AWARD:

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

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