

Xiang Wan

CONTACT INFORMATION	141 Cabell Drive, Kerchof Hall Charlottesville, VA, 22904-4137	434 - 243 - 2304 xw5he@virginia.edu
EDUCATION	University of Virginia Virginia, U.S. Ph.D. in Mathematics (advisor: Irena Lasiecka)	<i>August 2011 - May 2016 (expected)</i>
	Auburn University Alabama, U.S. M.S. in Mathematics (advisor: Georg Hetzer)	<i>August 2008 - July 2011</i>
	Beijing Jiaotong University Beijing, China B.S. in Mathematics	<i>August 2004 - June 2008</i>
RESEARCH INTERESTS	Partial Differential Equations and Control Theory, Dynamical Systems arising in Nonlinear Plate Systems, Numerical Analysis of PDE Systems.	
PAPERS	<ol style="list-style-type: none">1. Global Existence and Stability for a Nonlinear Thermoelastic Kirchhoff-Love Plate (with I. Lasiecka and M. Pokojovy), submitted.2. Well-posedness of Schrodinger equations with finite rank, boundary feedback controls, in preparation.3. On a Nonlinear Thermoelastic Kirchhoff-Love Plate with Hyperbolic Heat Conduction (with M. Pokojovy), in preparation.	
INVITED RESEARCH TALKS	2015: SIAM Conference on Analysis of Partial Differential Equations, Scottsdale (December) 2015: AMS Southeastern Sectional Meeting, Special Session, University of Memphis (October) 2015: SEARCDE, Contributed Session, Chair, University of North Carolina at Greensboro (October) 2015: Harmonic Analysis and PDE seminar, University of Virginia (September) 2015: Oberseminar Partielle Differentialgleichungen, University of Konstanz, Germany (July) 2015: SIAM-SEAS, Minisymposium, University of Alabama at Birmingham (March) 2015: AMS Eastern Sectional Meeting, Special Session, Georgetown University (March) 2014: PDE seminar, Huazhong University of Science and Technology (HUST), China (December) 2014: Differential Equations seminar, University of Memphis (November) 2014: SEARCDE, Contributed Session, University of Memphis (October) 2014: "Differential Equations Weekend", University of Memphis (February)	

CONFERENCES AND WORKSHOPS

2014: Summer School on “Dispersive Partial Differential Equations”, MSRI, Berkeley, June 16–27

2013: International Workshop “Advances in Nonlinear Science” with Travel Award, University of Pittsburgh (March)

2012: SEARCDE with Travel Award, Wake Forest University (October)

2014: Math Club, Mary Baldwin College (February)

2013: Guest Lecture in ‘Carnival of Mathematics’, University of Virginia (March)

HONORS AND AWARDS

- Graduate Student Teaching Mentor Fall 2015
- Dissertation Year Fellowship Fall 2014
- Graduate Student Travel Award for conferences: SEARCDE 2015 & 2014; SIAM-SEAS 2015; AMS Sectional Meeting March 2015
- Teaching Assistantship
 - University of Virginia August 2011 - present
 - Auburn University August 2008 - July 2011
- 1st prize: Chinese Mathematical Contest in Modeling (1.69%, 11,742 participating teams) September 2007
- 2nd prize, American Interdisciplinary Contest in Modeling (16%, 273 participating teams) February 2007
- Outstanding student of BJTU with Fellowship awarded (2%, around 3400 students) 2004 - 2005

SERVICE TO MATHEMATICAL COMMUNITY

- Referee for Nonlinear Analysis: Real World Application.
- Math Outreach Teacher, University of Virginia
 - Walker Upper Elementary School, Charlottesville, VA 2014
 - Jack Jouett Middle School, Charlottesville, VA 2015
- Departmental and Conferences IT Support
 - Department of Mathematics, University of Virginia 2013–2014
(In charge of departmental electronic supplies and maintenance. Official technical support for faculty members and graduate students.)
 - Department of Mathematical Sciences, University of Memphis 2014–2015
(At the special request by the Chair, services to many department offices and websites were provided.)
 - 34th SEARCDE (about 130 participants) October 2014
 - AMS Sectional Meeting (about 420 participants) October 2015
 - Weekly basis assistance to Prof. Roberto Triggiani in his capacity and Co-Editor-in-Chief of Nonlinear Analysis B, as well as Associate Editor of numerous other journals such and NonLinear Analysis A, Applicable Analysis, JOTA, etc.

TEACHING
EXPERIENCE

- University of Virginia, Instructor
 - Calculus III - Math 2310 Spring 2016
 - Calculus II - Math 1320 Fall 2013 & Spring 2014
 - Applied Calculus II - Math 1220 Spring 2013
 - Applied Calculus I - Math 1210 Fall 2012
 - Probability/Finite Mathematics - Math 1110 Spring 2015
- University of Virginia, TA and Graders
 - Calculus III - Math 2310 GTA, Fall 2011 & 2015
 - Ordinary Differential Equation - Math 3250 GTA, Spring 2012
 - Complex Analysis - Math 7340 (graduate) Grader, Spring 2013
- Auburn University, Instructor
 - Business Calculus I - Math 1680 Fall 2009 & 2010, Spring 2011, Summer 2011
 - Calculus I - Math 1610 Spring 2010
- Auburn University, TA
 - Business Calculus II - Math 1681 Spring 2009
 - Math Lab - Math 1120 Fall 2008

MISCELLANEOUS

- Fluent in MATLAB[®], Mathematica[®], Maple[™], Linux[™], L^AT_EX, Python, Microsoft Office; Proficiency using JavaScript, C++.
- High Performance Parallel Computing Certificate June, 2011
University of Virginia
- Patent: Quartz boat with lid for thermal evaporation China, 2007
Patent ID: 200720103895.7
- Patent: A new mashed potatoes machine China, 2007
Patent ID: 200720190658.9