Zhenan Sui

CONTACT INFORMATION	Department of Mathematics The Ohio State University 231 W 18th Ave Columbus, OH 43210	sui.4@osu.edu (614)929-9198

RESEARCH
INTERESTS

Nonlinear Elliptic and Parabolic equations
Geometric analysis

EDUCATION

The Ohio State Univeristy Columbus, Ohio
Ph.D. in Mathematics. Advisor: Bo Guan. *Spring 2015*
Thesis: On Some Classes of Fully Nonlinear Partial Differential Equations

Harbin Institute of Technology Harbin, China
M.S. in Mathematics. Advisor: Jingjun Zhao. *June 2008*

Harbin Institute of Technology Harbin, China
B.S. in Mathematics and Applied Mathematics. *July 2006*

PUBLICATIONS

Z.-N. Sui, *Complete conformal metrics of negative Ricci curvature on Euclidean spaces*, Journal of Geometric Analysis, appeared online 2016, doi:10.1007/s12220-016-9703-1.

B. Guan, S.-J. Shi and Z.-N. Sui, *On estimates for fully nonlinear parabolic equations on Riemannian manifolds*, Analysis and PDE **8** (2015), 1145-1164.

H.-M. Jiao and Z.-N. Sui, *The first initial-boundary value problem for a class of fully nonlinear parabolic equations on Riemannian manifolds*, Internat. Math. Res. Notices 2015 (2015), 2576-2595.

Y. Xu, J.-J. Zhao and Z.-N. Sui, *Stability analysis of exponential Runge-Kutta methods for delay differential equations*, Appl. Math. Lett. **24** (2011), 1089-1092.

Y. Xu, J.-J. Zhao and Z.-N. Sui, *Exponential Runge-Kutta methods for delay differential equations*, Math. Comput. Simulation **80** (2010), 2350-2361.

Y. Xu, J.-J. Zhao and Z.-N. Sui, *Stability analysis of θ-methods for neutral multidelay integro differential system*, Discrete Dyn. Nat. Soc. 2007, Art. ID 42540, 8 pp.

CONFERENCES

73rd Midwest Partial Differential Equations Seminar, Northwestern University, May 10 - 11, 2014

Summer School in Complex Geometry Rutgers University, August 12 -18, 2013

Mini-courses and Conference on Nonlinear Elliptic Equations Part I. Rutgers University, May 13 - 18, 2013 Part II. Courant Institute of Mathematical Sciences, New York University, May 20 - 22, 2013

Analysis, Complex Geometry, and Mathematical Physics: A Conference in Honor of Duong H. Phong, Columbia University, May 7 - 11, 2013

Great Lakes Geometry Conference 2013, Northwestern University, April 20 - 21, 2013

2012 AMS Fall Sectional Meeting, University of Akron, October 20-21, 2012

Great Lakes Geometry Conference 2012, Ohio State University, April 14 -15, 2012

Great Lakes Geometry Conference 2011, Ohio State University, March 5 - 6, 2011

SEMINAR TALKS   Complete Conformal Metrics with Prescribed Ricci Curvature Functions on Negative Cones, PDE seminar, Ohio State University, September 20, 2016

TEACHING
EXPERIENCE

The Ohio State University
Lecturer, Department of Mathematics

Math 2162 Accelerated Calculus II	Autumn 2015, Autumn 2016
Math 2255 Differential Equations	Summer 2015, Autumn 2015, Spring 2016

Teaching Associate, Department of Mathematics

Math 131 Mathematical Analysis for Business II	Spring 2012
Math 151 Calculus and Analytic Geometry	Autumn 2011
Math 152 Calculus and Analytic Geometry II	Spring 2009, Autumn 2009
Math 153 Calculus and Analytic Geometry III	Winter 2012
Math 254 Calculus and Analytic Geometry IV	Winter 2010, Spring 2011
Math 255 Differential Equations and their Applications	Winter 2011
Math 415 Ordinary and Partial Differential Equations	Spring 2010, Autumn 2010
Math 1131 Calculus for Business	Spring 2014
Math 1151 Flipped and Flexible Calculus	Autumn 2016
Math 1534 Transition Calculus II	Autumn 2012
Math 2153 Calculus III	Autumn 2014
Math 2162 Accelerated Calculus II	Spring 2015
Math 2173 Engineering Business B	Autumn 2013

REFERENCES
AVAILABLE UPON
REQUEST.