

AWARDS AND
FELLOWSHIPS

Early Career Travel Award, SIAM Conference on Dynamical Systems and its Applications, 2015

Rose-Winton Award, NC State University, 2013 (award given annually to one outstanding graduate student in the math department)

Poster Prize Winner, Poster Session, SIAM Conference on the Life Sciences, 2012 (award given to \approx top 10% of presenters)

Student Travel Award, SIAM Conference on the Life Sciences, 2012

NSF East Asia and Pacific Summer Institutes Fellow, 2010 (Awarded fellowship to work at the Centre for Bioengineering at the University of Canterbury in Christchurch, New Zealand)

Outstanding Mathematics Graduate, Pepperdine University, 2009

Poster Prize Winner, Undergraduate Poster Session, Joint Mathematics Meetings, 2009 (award given to \approx top 10% of presenters)

INVITED TALKS

1. *Prediction of Extreme Events in Nonlinear Dispersive Wave Equations*, **University of Massachusetts Amherst, Applied Analysis and Computation Seminar**, November 2014
2. *Blood Flow in Structured Arterial Trees*, **CRUNCH Group, Division of Applied Mathematics, Brown University**, May 2014
3. *Prediction of Extreme Events in Nonlinear Dispersive Wave Equations*, **SIAM & CCE Seminar Series, Massachusetts Institute of Technology, April 2014**
4. *Outflow Boundary Conditions for Hemodynamic Modeling*, **Statistical and Applied Mathematical Sciences Institute Workshop: UQ: Models with Complex and Uncertain Domains**, Durham, N.C., March 2012

TEACHING
EXPERIENCE

Instructor, Numerical Computation for Mechanical Engineers (2.086), Fall 2014, MIT
Instructor, Calculus for Life and Management Sciences(MA 131), Spring 2013, NC State

STUDENTS
SUPERVISED

David Hesslink, MIT Mechanical Engineering Undergraduate, Nov 2014 - Present

Sara Falcone, MIT Mechanical Engineering Undergraduate, Oct 2014-Dec 2014

Kathryn Evans, MIT Mechanical Engineering Undergraduate, February 2014-June 2014

WORKSHOPS

IdeaLab 2014: Program for Early Career Researchers, ICERM, August 2014

UQ: Models with Complex and Uncertain Domains, SAMSI, Durham, NC, March 2012

PROFESSIONAL
SERVICE

- ◇ Referee for Annals of Biomedical Engineering, SIAM Journal on Applied Mathematics, Journal of Computational Physics, International Ocean and Polar Engineering Conference Proceedings
- ◇ President, NC State Student Chapter of SIAM (May 2012–April 2013)