

JUSTIN T. WEBSTER, PH.D.

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EMPLOYMENT

University of Maryland, Baltimore County, *August 2017–Present*
Department of Mathematics and Statistics
Assistant Professor

College of Charleston, Department of Mathematics *September 2014–July 2017*
Assistant Professor

North Carolina State University, Department of Mathematics *August 2014–May 2015*
Postdoctoral Research Scholar
Mentor: Lorena Bociu

Oregon State University, Department of Mathematics *September 2012–August 2014*
Postdoctoral Scholar
Mentors: Ralph Showalter and Malgorzata Peszynska

EDUCATION

University of Virginia *August 2012*
Ph.D., Mathematics
Dissertation: *Analysis of Flow-Plate Interactions: Semigroup Well-Posedness and Long-Time Behavior*
Advisor: Dr. Irena Lasiecka, Univ. of Memphis, Dept. of Mathematical Science

University of Virginia *May 2010*
M.S., Mathematics

University of San Diego *May 2008*
B.A., Mathematics
Minor in Physics
Phi Beta Kappa, Inducted 2008
Summa Cum Laude
Valedictorian
GPA: 4.0

AWARDS, FUNDED PROPOSALS, AND FELLOWSHIPS

College of Charleston Summer Undergraduate Research Fellowship Proposal *2017*
With: Spencer Wilder, undergraduate summer research
Inextensible Beam Models in Application
Amount: \$6,500

NSF Proposal DMS-1412238, 1504697, Supplement 1635281 *2014–2017*
Analysis and Control of Mathematical Models of Fluttering Plates
Amount: \$120,276
http://www.nsf.gov/awardsearch/showAward?AWD_ID=1504697&HistoricalAwards=false

College of Charleston First Year Experience Recognition Award *Spring 2016*
Office of the FYE recognition of faculty who made a difference in a student's first year experience

NC State "Thank a Teacher" Award *Spring 2015*
Provost recognition of impactful teaching through the Office of Faculty Development

Graduate Research Fellowship Virginia Space Grant Consortium (NASA) <i>Flow-Plate Interactions</i> (Funded 2011; renewed 2012)	2011–2012, 2012–2013
Dissertation Year Research Fellowship Department of Mathematics, University of Virginia	2012
Society of Fellows Huskey Travel Grant Graduate School of Arts and Sciences, University of Virginia	2011
Graduate Teaching Award Department of Mathematics, University of Virginia (Annual award; out of ~30 instructors)	2011–2012
SIAM Student Travel Award (SIAM PDE, 2011)	2011
Barry M. Goldwater Scholarship Mathematics	2006–2008

PROPOSALS SUBMITTED

College of Charleston Summer Undergraduate Research Fellowship Proposal With: Spencer Wilder, undergraduate summer research <i>Inextensible Beam Models in Application</i> Amount: \$6,500	2017
NSF Supplement DMS–1635281 <i>Graduate Student Support</i> Amount: \$10,000	2016–2017
NSF Proposal DMS–1540213, 1615333, Co-PI with R. Camassa and N. Rodriguez (UNC-Chapel Hill) and J. Howell (Charleston) <i>A Proposal for a SouthEastern Atlantic Mathematical Sciences (SEAMS) Workshop</i> (Not funded)	2015, 2016
NSF Proposal DMS–1412238 (Oregon State Univ.), 1504697 (College of Charleston) <i>Analysis and Control of Mathematical Models of Fluttering Plates</i> Amount: \$110,276	2014
NSF Postdoctoral Research Fellowship Proposal DMS–1303822, Mentor: I. Kukavica (USC) <i>Geometrically Constrained Damping in Fluid-Structure Models</i> (Not funded)	2012
Virginia Space Grant Consortium (NASA) Graduate Research Fellowship <i>Flow-Plate Interactions</i>	2011, 2012

PEER-REVIEWED PUBLICATIONS

- (with K. Huneycutt, J. Howell, and S. Wilder) (In)stability of thin beams in a potential flow, in preparation.
- (with J. Howell and D. Toundykov) Semigroup Generation and Post-Flutter Regimes for A Cantilevered Extensible Beam in Axial Flow, in preparation.
- (with G. Avalos and P.G. Geredeli) Semigroup Well-posedness of A Linearized, Compressible Fluid with An Elastic Boundary, submitted.
- <https://arxiv.org/abs/1703.10855>

(with J. Howell and I. Lasiecka) Quasi-stability and Exponential Attractors for A Non-Gradient System—Applications to Piston-Theoretic Plates with Internal Damping, *Evolution Eqns. Control Theory*, Volume 5, 4, 2016, pp. 567–603.

<https://aimsciences.org/journals/displayArticlesnew.jsp?paperID=13192>

(with G. Avalos and P.G. Geredeli) Finite Dimensional, Smooth Attractors for A Non-rotational Berger Plate with Dissipation Acting on A Portion of the Boundary, *Comm. Pure Appl. Math.*, Volume 15, 6, 2016, pp. 2301–2328.

<http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=13047>

(with E. Dowell, I. Chueshov, and I. Lasiecka) Mathematical Aeroelasticity: A Survey, *Mathem. Engin. Sci. Aerosp.*, Volume 7, 2016, pp. 1–26.

<http://nonlinearstudies.com/index.php/mesa/article/view/1283>

(with E. Dowell, I. Chueshov, and I. Lasiecka) Nonlinear elastic plate in a flow of gas: Recent results and conjectures, *Appl. Math. Optim.*, Volume 73, 2016, pp. 475–500.

<http://link.springer.com/article/10.1007/s00245-016-9349-1>

(with L. Bociu, G. Guidoboni, R. Sacco) Analysis of nonlinear poro-elastic and poro-visco-elastic models, *Arch. Rational Mech. Anal.*, published online, July 2016. DOI: 10.1007/s00205-016-1024-9

http://link.springer.com/article/10.1007/s00205-016-1024-9?wt_mc=Internal.Event.1.SEM.ArticleAuthorOnline

(with P.G. Geredeli) Qualitative Results on the Dynamics of A Berger Plate with Nonlinear Boundary Damping, *Nonlin. Anal. B*, 31, 2016, pp. 227–256; published online, February 2016: DOI:10.1016/j.nonrwa.2016.02.002.

<http://www.sciencedirect.com/science/article/pii/S1468121816000195>

(with I. Lasiecka) Feedback stabilization of a fluttering panel in an inviscid subsonic potential flow, *SIAM J. Math. Anal.*, 48, 3, 2016, pp. 1848–1891.

<http://epubs.siam.org/doi/abs/10.1137/15M1040529>

(with M. Peszynska and R.E. Showalter) Advection of methane in the hydrate zone: Model, analysis, and examples, *Math. Meth. Appl. Sci.*, Volume 38, 18, 2015, pp. 4613–4629.

<http://onlinelibrary.wiley.com/doi/10.1002/mma.3401/abstract>

(with I. Lasiecka) Eliminating flutter in clamped von Karman plates immersed in subsonic flows, *Commun. Pure Appl. Anal.*, Volume 13, 5, 2014, pp. 1935–1969.

<https://www.aimsciences.org/journals/displayArticlesnew.jsp?paperID=9987>

<http://arxiv.org/abs/1409.3308>

(with I. Lasiecka) Kutta-Joukowski flow conditions in flow-plate interactions: subsonic case, *Nonlinear Anal. B*, Volume 7, 2014, pp. 171–191.

<http://www.sciencedirect.com/science/article/pii/S1468121813001235>

(with I. Chueshov and I. Lasiecka) Flow-plate interactions: Well-posedness and long-time behavior, *Discrete Contin. Dyn. Syst. Ser. S, Special Volume: New Developments in Mathematical Theory of Fluid Mechanics*, Volume 7, 5, 2014, pp. 925–965.

<http://aimsciences.org/journals/displayArticlesnew.jsp?paperID=9873>

(with P.G. Geredeli) Decay rates to equilibrium for nonlinear plate equations with geometrically constained, degenerate dissipation, *Appl. Math. Optim.*, Volume 68, 2013, pp. 361–390.

<http://link.springer.com/article/10.1007/s00245-013-9210-8>

Corrigendum: <http://link.springer.com/article/10.1007/s00245-014-9275-z>

(with I. Chueshov and I. Lasiecka) Attractors for delayed, non-rotational von Karman plates with applications to flow-structure interactions without any damping, *Commun. PDE*, Volume 39, 11, 2014.

http://www.tandfonline.com/eprint/ARUs3wgC9ih2hzZBGjs3/full#.U_5H3rywLV5

(with I. Chueshov and I. Lasiecka) Evolution semigroups in supersonic flow-plate interactions, *J. Diff. Eqns.*, Volume 254, Issue 4, 2013, pp. 1741–1773, ISSN 0022-0396, 10.1016/j.jde.2012.11.009.

<http://www.sciencedirect.com/science/article/pii/S0022039612004342>

(with P.G. Geredeli and I. Lasiecka) Smooth attractors of finite dimension for von Karman evolutions with nonlinear frictional damping localized in a boundary layer, *J. Diff. Eqns*, Volume 254, Issue 3, 2013, pp. 1193–1229, ISSN 0022-0396, 10.1016/j.jde.2012.10.016.

<http://www.sciencedirect.com/science/article/pii/S0022039612004093>

(with I. Lasiecka) Generation of bounded semigroups in nonlinear subsonic flow-structure interactions with boundary dissipation, *Math. Meth. Appl. Sci.*, Volume 36, 2013, pp. 1995–2010.

<http://onlinelibrary.wiley.com/doi/10.1002/ma.1518/full>

Weak and strong solutions of a nonlinear subsonic flow-structure interaction: Semigroup approach, *Nonlinear Anal. A*, Volume 74, Issue 10, July 2011, pp. 3123–3136, ISSN 0362-546X, 10.1016/j.na.2011.01.028.

<http://www.sciencedirect.com/science/article/pii/S0362546X11000459>

(with D. Sheehan and L.M. Baird) Orthogonally-oriented nanotube arrays: Experiment I, *J. Nanosci. Nanotech.*, Volume 7, Issue 10, 2007, pp. 3653–3661.

<http://www.ingentaconnect.com/content/asp/jnn/2007/00000007/00000010/art00048>

CONFERENCE PROCEEDINGS AND POSTERS

(with D. Prada, R. Sacco, B. Cockburn, L. Bociu, B. Siesky, A. Harris, and G. Guidoboni) Influence of tissue viscoelasticity on the optic nerve head perfusion: a mathematical model, Poster #3558, Annual Meeting of the Association for Research in Vision and Ophthalmology, May 2016. (Presenter: D. Prada)

(with I. Lasiecka) Stabilization of a nonlinear flow-plate interaction via component-wise decomposition, XV International Conference on Hyperbolic Problems: Theory, Numerics, Applications, July 2014, IMPA, Rio de Janeiro, Brazil, *Bull. Braz. Math. Soc.*, New Series 47(2), 2016, pp. 489–506. (*peer-reviewed*)

(with I. Lasiecka) Controlling Flutter for Nonlinear Panels in Subsonic Flows via Nonlinear Mechanical Feedback, IEEE 53rd Conference on Decision and Control, Session on Control of First and Second Order PDEs, 2014, DOI: 10.1109/CDC.2014.7039443, pp. 577–582. (*peer-reviewed*)

Mathematical models of fluttering plates: Supersonic flows, Proceedings of the 2013 Virginia Space Grant Consortium Research Conference.

<http://www.vsgc.odu.edu/awardees/20122013/abstracts/Papers%20-%20Grad/Webster,%20Justin%20-%20Paper.pdf>

Analysis and control of nonlinear flow-structure interactions, Proceedings of the 2012 Virginia Space Grant Consortium Research Conference.

<http://www.vsgc.odu.edu/src/SRC2012/Abstracts%20-%20Grad/Webster,%20Justin%20-%20paper.pdf>

(with I. Lasiecka) Long-time dynamics and control of subsonic flow-structure interactions, American Control Conference (ACC), 2012, pp. 658–663, 27-29 June 2012. (*peer-reviewed*)

<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6315219>

STUDENTS

Masters

Austin Mishoe

M.S. Student

2016–2017

Co-advised with Jason Howell, Project: Beam flutter in axial flows

Partially supported by NSF DMS–1635281 (2016–2017)

Undergraduate

Katelynn Huneycutt

2015–2016

Co-advised with Jason Howell, Project: Modeling and analysis of beam flutter models

Supported by NSF DMS–1504697 (2016, 2017)

Awarded a College of Charleston Summer Undergraduate Research Fellowship (2017)

Spencer Wilder

2015–2016

Co-advised with Jason Howell, Project: Computation and analysis of beam flutter models

Supported by NSF DMS–1504697 (2017)

Awarded a College of Charleston Summer Undergraduate Research Fellowship (2016)

INVITED/SUPPORTED RESEARCH VISITS

University of Maryland, Baltimore Department of Mathematics and Statistics	<i>February 2017</i>
University of Texas at San Antonio Department of Mathematics	<i>January 2017</i>
Iowa State University (one week) Department of Mathematics Scott Hansen	<i>November 2016</i>
Duke University (one day) Aeroelasticity Research Group, Department of Mechanical Engineering Earl Dowell	<i>July 2016</i>
Duke University (one day) Aeroelasticity Research Group, Department of Mechanical Engineering Earl Dowell	<i>April 2015</i>
NASA/UCLA Flight Systems Research Center (one week) University of California Los Angeles Electrical Engineering Department A.V. Balakrishnan	<i>December 2014</i>
Duke University (one day) Aeroelasticity Research Group, Department of Mechanical Engineering Earl Dowell	<i>November 2014</i>
University of Nebraska Lincoln (one week) Department of Mathematics George Avalos and Daniel Toundykov	<i>April 2014</i>
North Carolina State University (one week) Department of Mathematics Lorena Bociu	<i>April 2013</i>
University of Southern California (one week) Department of Mathematics Igor Kukavica	<i>September 2012</i>

PRESENTATIONS

Invited Talk, KUMUNU Conference, Univ. of Nebraska-Lincoln, March 2017

Invited Talk, SIAM Conference on Computational Science and Engineering: Special Session on Poroelasticity: Recent Theoretical and Computational Advances, March 2017

Invited Talk, Univ. of Maryland, Baltimore Colloquium, February 2017

Invited Talk, Univ. of Texas at San Antonio Mathematics Colloquium, January 2016

Invited Talk, JMM (Joint Meetings): Special Session on PDEs in Biology and Materials Science, January 2017, Atlanta, GA

Invited Talk, JMM (Joint Meetings): Special Session on Control and Long Time Behavior of Evolutionary PDEs, January 2017, Atlanta GA

Invited Talk, AMS Southeastern Sectional Meeting: Special Session on Control, Optimization, and Differential Games, November 2016, Raleigh, NC

Invited Talk, Iowa State Univ. Applied Mathematics Seminar, November 2016

Invited Talk, Iowa State Univ. Mathematics Colloquium, November 2016

Invited Talk, AIMS Conference of Dynamical Systems and Differential Equations: Special Session on Control and Optimization Theory for PDEs, July 2016, Orlando, FL

Invited Talk, International Conference on Evolution Equations: Analysis and Control of PDE Evolutions with an Interface, May 2016, Vanderbilt University, Nashville, TN

Local Talk, College of Charleston Colloquium, April 2016

In-session Talk, SIAM Conference on Analysis of PDEs: Analysis and control of fluid models and flow-coupled systems, December 2015, Scottsdale, AZ

In-session Talk, AMS Southeastern Sectional Meeting: Special Session on Stabilization, Control, and Analysis of Evolutionary Partial Differential Equations, October 2015, Memphis, TN

Local Talk, North Carolina State Univ. Differential Equations Seminar, April 2015

Invited Talk, 9th Annual IMACS (International Conference on Nonlinear Evolution Equations and Wave Phenomena):
Special Session on Coupled Systems with Hyperbolic Components, April 2015, University of Georgia, Athens, GA

Invited Talk, College of Charleston Colloquium, March 2015

Invited Talk, AMS Northeastern Spring Sectional Meeting: Special Session on Nonlinear Partial Differential Equations in Sciences and Engineering, March 2015, Washington, DC

Invited Talk, IEEE Conference on Decision and Control: Special Session on Distributed Parameter Systems, December 2014, Los Angeles, CA

Invited Talk, Duke Univ. Aeroelasticity Seminar, November 2014

Local Talk, North Carolina State Univ. Differential Equations Seminar, October 2014

Contributed Talk, 34th SEARCDE, Univ. Memphis, October 2014

Invited Talk, Univ. of Nebraska Lincoln Colloquium, April 2014

Invited Talk, College of Charleston Colloquium, February 2014

In-session Talk, SIAM Conference on Analysis of Partial Differential Equations, December 2013, Orlando
Minisymposium on Modeling, Analysis, and Control of Fluid/Flow-Structure Interactions

In-session Talk, 9th Annual International ISAAC Congress, August 2013, Krakow, Poland
Special Session on Nonlinear Infinite Dimensional Evolutions with Control Theory and Applications

Invited Talk, Oregon State Univ. REU Seminar, July 2013, Research Presentation to Undergraduates

Invited Talk, SIAM Conference on Control and Its Applications, July 2013, San Diego
Special Session on Control of PDEs

Contributed Talk, 2013 Virginia Space Grant Consortium Student Research Conference, April 2013, Old Dominion University, Norfolk, VA

Invited Talk, Univ. of Virginia PDE Seminar, April 2013

Invited Talk, North Carolina State Univ. Applied Math Club, April 2013

Invited Talk, North Carolina State Univ. Differential Equations Seminar, April 2013

Invited Talk, NSF/UCLA Workshop: Axial Air Flow, Univ. California LA, November 2012

Invited Talk, Center for Applied Mathematical Sciences Colloquium, Univ. Southern California, September 2012

Invited Talk, 2012 American Control Conference, June 2012, Montreal, Canada
Special Session on the Estimation and Control of Distributed Parameter Systems

Invited Talk, 2012 Virginia Space Grant Consortium Student Research Conference, April 2012, William and Mary, Williamsburg, VA

Invited Talk, AMS 2012 Joint Mathematical Meetings, January 2012, Boston, MA
Special Session on Control in Biological and Physical Systems

Invited Talk, SIAM Conference on Analysis of PDE, November 2011, San Diego, CA
Minisymposium on Flow-Structure and Fluid-Structure Interactions

Contributed Talk, SIAM Conference on Analysis of PDE, November 2011, San Diego, CA

Invited Talk, AMS 2011 Fall Central Section Meeting: Special Session on Continuous and Numerical Analysis in the Control of PDEs, October 2011, Lincoln, NE

Invited Talk, SIAM Conference on Control & Its Applications, July 2011, Baltimore, MD

WORKSHOPS

NSF/UCLA Workshop on *Aeroelasticity: Axial Air Flow* *November 20–21, 2012*
Univ. California Los Angeles

Nonlinear Hyperbolic PDEs, Dispersive and Transport Equations *May–June 2011*
Analysis and Control Intensive Trimester
SISSA, Trieste, Italy

Inverse Problems and Partial Differential Equations *July 2010*
University of Washington, Research Training Group
(Emphasis: Mathematics of Medical Imaging)

6th Annual Summer School in Probability *July 2010*
Cornell University (Emphasis: Heat Kernel Analysis and Applications)

PROFESSIONAL ACTIVITIES

Editor:

(Guest) *Evolution Equations and Control Theory*, Volume 5, 4, 2016
Special volume on fluid-structure interactions, SIAM Conference on Analysis of PDEs 2015.
<https://aimsciences.org/journals/contentsListnew.jsp?pubID=896>

Committee:

AMS Southeast Sectional Meeting Local Organizing Committee
Spring 2017, College of Charleston, Charleston, SC.

Resurrecting SouthEastern Atlantic Mathematical Sciences Workshop
Organizing committee chairperson (and co-PI) for a proposal to reprise (in 2016, 2017, 2018) this regional research meeting for advanced undergraduates, graduates, and postdoctoral fellows.
(This meeting was known as “Cha-Cha days” and successfully ran from 2004–2010.)

Organizer:

Session Block (three-part series): Evolution Equations
AMS Southeastern Sectional Meeting, March 10–12, 2017, College of Charleston, Charleston, SC
Special Sessions: Analysis and Control of Fluid-Structure Interactions and Fluid-Solid Mixtures
Free-boundary Fluid Models and Related Problems
Analysis, Control, and Stabilization of PDEs

Special Session: Analysis and Control of Fluid-Structure Interactions and Fluid-Solid Mixtures
AMS Southeastern Sectional Meeting, March 10–12, 2017, College of Charleston, Charleston, SC.

Special Session: Analysis and control of fluid models and flow-coupled systems
SIAM Conference on Analysis of PDEs, December 7–10, 2015, Scottsdale, AZ.

Special Session: Stabilization, Control and Analysis of Evolutionary PDEs
AMS Southeastern Sectional Meeting, October 17-18, 2015, University of Memphis, Memphis, TN.

Special Session: Modeling, Analysis and Control of Fluid/Flow-Structure Interactions
SIAM Conference on Analysis of PDEs, December 7–10, 2013, Orlando, FL.

Special Session: Nonlinear Infinite Dimensional Evolutions with Control Theory and Applications
9th International ISAAC Congress, August 5–9, 2013, Krakow, Poland.

Referee/Reviewer:

Applied Mathematics and Computation
Applicable Analysis
Journal of Mathematical Analysis and Applications
Discrete and Continuous Dynamical Systems
Evolution Equations and Control Theory
Journal of Abstract Differential Equations and Applications
Nonlinear Analysis A: Theory, Method, and Application
Nonlinear Analysis B: Real World Applications
Journal of Mathematical Physics
Computational Optimization and Applications
AMS Mathematical Reviews

TEACHING EXPERIENCE

Univ. Maryland, Baltimore County
Introduction to Partial Differential Equations *2017–2018*

College of Charleston
Introduction to Abstract Mathematics (proofs), 2 semester *2015–2016*
Calculus I, 2 semesters (small class format) *2015–2017*
Business Calculus, 3 semesters (small class format) *2015–2017*

North Carolina State Univ.
Calculus II, 2 semesters (large and very large class formats) *2014–2015*

Oregon State Univ.
Vector Calculus II, 1 quarter (small class format) *2014*
Matrix and Power Series Methods, 2 quarters (large class format) *2013, 2014*
Applied Ordinary Differential Equations, 1 quarter (very large class format) *2012*

Univ. of Virginia
Calculus I and II for Math and Science Majors, 3 semesters (small class format) *2010–2011*
Applied Calculus I and II, 2 semesters (small class format) *2009–2010*
Teaching Assistant: Ordinary Differential Equations, 2 semesters (small class format) *2008–2009*

SERVICE

College of Charleston *2016–2017*
Research and Development Committee
School of Science and Mathematics Scholarship Committee

SPECTRA Program, College of Charleston *2016–Present*
Mentoring Matters
Volunteer First-Year Student Mentor
<http://msps.cofc.edu/spectra/>

College of Charleston Mathematics Department
Veterans Affairs Mathematics Liaison *2016–2017*
Curriculum Committee *2016–2017*
Student Recruitment and Activities Committee *2016–2017*

M.S. Steering Committee *2016–2017*
 Calculus Committee and Coordination *2015–2017*
 Applied Calculus Committee and Coordination *2015–2016*

Veterans Affairs, College of Charleston *August, 2016–Present*
 Volunteer Faculty Tutor
 Contact: Mathew Garrison, CofC Admissions
<http://counseling.cofc.edu/veteran/index.php>

The Upward Bound Program, College of Charleston *2016–Present*
 Volunteer Faculty Tutor
<http://upwardbound.cofc.edu/>

College of Charleston Accepted Students Weekend *March 19, 2016*
 Volunteer (CofC Mathematics Dept. Representative)

College of Charleston Math Meet *2016, 2017*
 South Carolina state math competition (~ 600 students)
 Volunteer
<http://mathmeet.cofc.edu/>

Lady Cougars STEM Education Day *2016, 2017*
 Volunteer (CofC Mathematics Dept. Representative)

STEM College and Career Conference *February 8, 2016*
 South Carolina Aquarium
 Volunteer (CofC Mathematics Dept. Representative)

MoSAIC Festival, Raleigh *March 27 & 28, 2015*
<http://www.mosaicmathart.org/events/ncsu/>
 North Carolina State Univ., Raleigh, NC
 Volunteer (setup)

Job Market Seminar for Graduate Students *Fall 2014*
 North Carolina State Univ., Raleigh, NC
 Presenter and panel member for graduate seminar on attending the 2014 Joint Meetings

2014 Oregon Invitational Mathematics Tournament *May 17, 2014*
 Oregon State Univ., Corvallis, OR
 (Oregon’s high school state-wide mathematics tournament)
 Problem writer, grader and event volunteer

St. Helens Middle School Annual “Meet a Scientist” Day *May 2012–2016*
 St. Helens, OR
 Contact: William Rash <http://sthelens.schoolwires.net/Domain/277>
 Presenter, 8th Grade Science Classes

***cascade* Computational and Applied Mathematics Seminar** *April 5, 2014*
 (Undergraduate and graduate focused research conference for Pacific Northwest universities)
 Organizer and volunteer
<http://www.math.oregonstate.edu/~mpesz/cascade/contact.html>

Oregon State Univ. Graduate Seminar *2012–2014*
 Informational presenter (graduate school and postdoctoral experience)

Oregon State Univ. Mathematics Club *2013–2014*
 Volunteer, informational REU presenter, and advisor (for REU and graduate applications)

Oregon State Univ. REU *Summer 2013*
 Volunteer and research presenter