

CYNTHIA V. FLORES

Curriculum Vitae

January 8th, 2015

California State University, Channel Islands
Bell Tower East 2762
One University Drive, Camarillo, CA 93012
Web: faculty.csuci.edu/cynthia.flores

EDUCATION

- Ph.D. Department of Mathematics, University of California Santa Barbara, 2014,
Dissertation: "Properties of solutions to the IVP for the Benjamin-Ono equation in weighted Sobolev spaces," Advisor: Gustavo Ponce
- M.S. Department of Mathematics, California State University Northridge, 2009,
Dissertation: "Manifolds with isotropic Ricci curvature," Advisor: Maria Helena Noronha
- B.A. Department of Mathematics, California State University Northridge, 2007

PUBLICATION

J. Dynam. Differential Equations, "On decay properties of solutions to the IVP of the Benjamin-Ono equation," 2013, (DOI) [10.1007/s10884-013-9321-6](https://doi.org/10.1007/s10884-013-9321-6).

PROFESSIONAL APPOINTMENT

Assistant Professor California State University, Channel Islands 2014-Present

AWARDS AND ACCOMPLISHMENTS

- 2014 UCSB Academic Senate Graduate Student Travel Award (\$685)
- 2013 AMS Graduate Student Travel Award (\$250)
- 2012 Department of Mathematics Graduate Merit Award, University of California Santa Barbara (\$5,600)
- 2009 Department of Mathematics Merit Fellowship, Cal State University Northridge (\$10,000)
- 2009 Association of Retired Faculty Memorial Award for Research, Cal State University Northridge (\$2,000)
- 2008 NSF GK-12 Fellowship, Department of Mathematics, Cal State University Northridge (\$30,000)
- 2008 2008: Sally Casanova Pre-Doctoral Scholarship, Cal State University System (\$2,000)
- 2007 NSF M.C.T.P Fellowship, Department of Mathematics, Cal State University Northridge (\$10,000)
- 2006 Abel Scholarship, Department of Mathematics, Cal State University Northridge (\$500)

SELECTED INVITED TALKS

- 2015 “Harmonic Analysis techniques and decay properties of solutions to the Benjamin-Ono equation” Harvey Mudd College, UG Math Colloquium, February 4, 2015
- 2014 “The IVP for the Benjamin-Ono equation in weighted Sobolev spaces”
Graduate Math Seminar, CSU Channel Islands, September 2014
- 2014 “Defining Lebesgue spaces and applications to PDEs.”
UG Seminar, CSU Channel Islands, September 10, 2014
- 2014 “Math Talks: A Journey towards a Ph.D.”
LSAMP, CSU Channel Islands, February 28, 2014, PUMP, Cal Poly Pomona, July 22, 2014
- 2013 “On decay properties of solutions to the Benjamin-Ono equation”
AMS Sectional Meetings, Temple University, October 12-13, 2013
- 2013 “The tools of Fourier Analysis”
NSF M.C.T.P. Inspirational Talks, CSU Northridge, July 2013,
- 2012 “The IVP for the Benjamin-Ono equation in weighted Sobolev spaces”
Applied Mathematics Faculty Colloquium, CSU Northridge, September 2012

CONFERENCES AND COLLOQUIA

Talks and Posters

- 2014 AMS Sectional Meetings Contributed Talks, Harvey Mudd College, Claremont CA
- 2014 AWM Workshop Poster Presentation, Joint Mathematics Meetings, Baltimore, MD*
- 2013 6th Annual Women in Math Symposium, University of California Riverside
- 2013 WimSoCal 2013, University of California San Diego
- 2013 Career Options for Women in Math Poster Presentation, The Institute of Mathematics and Applications *
- 2013 AWM Research Symposium, Santa Clara University*
- 2012 5th Annual Women in Math Symposium, University of Southern California
- 2010 3rd Annual Women in Math Symposium, Pomona College
- 2008 Association of Retired Faculty Award Ceremony, CSU Northridge
- 2008 The NSF GK-12 Annual Meeting Graduate Research Poster Presentation, Washington DC*
- 2008 FERMAT Seminar, CSU Northridge
- 2007 26th Annual International Mathematics Colloquium, IMPA, Brazil*
- 2007 P.U.M.P. Poster Presentations, CSU Northridge
- 2007 Pacific Coast Undergraduate Math Conference, Pepperdine University
- 2007 Nebraska Conference for Undergraduate Women in Math, University of Lincoln-Nebraska*

Conference Participation

- 2015 Joint Mathematics Meetings, San Antonio, TX
- 2014 SACNAS National Conference, Los Angeles, CA
- 2013 SIAM Annual Meeting, Student Days, San Diego CA*
- 2012 SACNAS National Conference, Modern Math Workshop, Seattle WA*

- 2011 The Joint Mathematics Meetings, New Orleans (2011)*, San Diego (2008)*
- 2011 Women in Mathematics Program, Institute of Pure and Applied Math, UCLA*
- 2007 International Research Experience for Students, Universidad de São Paulo, São Carlos, Brazil*
- 2007 Conference for Women in Math, Institute of Advanced Study, Princeton University*

*Indicates Travel Award Recipient

UCSB Departmental Talks

- 2011-2014 Math Department Graduate Student Analysis Seminar, UC Santa Barbara, On 4 Occasions
- 2012 California Nanosystems Institute, STEEM Talks, UC Santa Barbara
- 2010 Math Department Hypatian Seminar, UC Santa Barbara

TEACHING EXPERIENCE

Assistant Professor, Department of Mathematics, CSU Channel Islands 2014-Present

- Ordinary Differential Equations
- Modern Math for Elementary School Teachers II (Service Learning course)
- Capstone for Teachers
- Scientific Computing
- Partial Differential Equations

Teaching Assistant, Department of Mathematics UC Santa Barbara, 2009-2014

- Numerical Analysis
- Introduction to Proofs
- Vector Calculus, Fourier Series and PDEs
- Linear Algebra and Differential Equations
- Calculus for Life Sciences

Instructor of Record, Department of Mathematics UC Santa Barbara, Summer 2011, Present

- Mathematics for Elementary School Teachers
- Differential Calculus and Applications

Instructor of Record, California Nanosystems Institute SIMS program, UC Santa Barbara 2011-2013

- Incoming freshman transition program
- Differential Calculus and Applications
- Integral Calculus and Applications

Instructor of Record, Department of Mathematics, CSU Northridge, Fall 2008

- Mathematical Ideas for the Life Sciences

NSF GK-12 Fellow, Department of Mathematics, CSU Northridge and Sepulveda Middle School, 2007-2009

Upward Bound Mathematics Instructor, Los Angeles Valley College Student Affairs, Summer 2010

UNDERGRADUATE RESEARCH EXPERIENCES

Summer REU Mentor, CSU Channel Islands, Mathematics Department, Summer 2015

Junior Mathematician Internship, NAVAIR Ranges Department, Naval Air Systems Command, Point Mugu, CA, January 2007

ACADEMIC SERVICE AND OUTREACH

National Alliance for Doctoral Studies in the Mathematical Sciences Pre-doctoral student Mentor, 2014-Present

Math Club Co-organizer, University Preparation School 4th and 5th graders, 55 participants, Camarillo 2014-Present

Project ISLAS Fellow and Ambassador, CSU Channel Islands, 2014-Present

Project ACCESSO Instructor, CSU Channel Islands, Fall 2014

Lead TA and Orientation Workshop Leader, Department of Mathematics TA Training Institute, University of California, Santa Barbara, Fall 2013

Lead TA Instructional Development Workshop participant, Summer 2013

Founding President, University of California Santa Barbara Student Chapter of the Society of Industrial and Applied Math, 2012-Present

STEEM (incoming math transfer student program) Mentor and Tutor, Center for Science and Engineering Partnerships, and Department of Mathematics, UC Santa Barbara, 2011-Present

SIMS Graduate Workshop Leader, California Nanosystems Institute, and Department of Mathematics, UC Santa Barbara, 2011-Present

Graduate School Panel Participant, Pacific Coast Undergraduate Math Conference, 2011 and 2012

COMPUTER AND LANGUAGE SKILLS

Familiar with: MATLAB, HTML, LaTeX, Java, C, C++, Linux/Unix, Windows and Mac OS.
Native English and Native Spanish speaker (can read and write proficiently)