CYNTHIA V. FLORES

Curriculum Vitae
January 8th, 2014

University of California Santa Barbara
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EDUCATION

Ph.D.   Department of Mathematics, University of California Santa Barbara, Expected 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.**

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)

INVITED TALKS

2014   "Math Talks: A Journey towards a Ph.D."
       LSAMP, CSU Channel Islands, February 28, 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   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

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*

Departmental Talks

2011- Math Department Graduate Student Analysis Seminar, UC Santa Barbara, On 4 Occasions
2014

*Indicates Travel Award Recipient

2012   California Nanosystems Institute, STEEM Talks, UC Santa Barbara
2010   Math Department Hypatian Seminar, UC Santa Barbara

TEACHING EXPERIENCE

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

RESEARCH EXPERIENCE

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

ACADEMIC SERVICE AND OUTREACH

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)

REFERENCES

Prof. Gustavo Ponce (thesis advisor)
Department of Mathematics
University of California, Santa Barbara
ponce@math.ucsb.edu

Prof. Darren Long (teaching)
Graduate Vice Chair
Department of Mathematics
University of California, Santa Barbara
long@math.ucsb.edu

Prof. Hector Ceniceros
Department of Mathematics
University of California, Santa Barbara
hdc@math.ucsb.edu

Prof. Ken Millett (outreach)
Department of Mathematics
University of California, Santa Barbara
millett@math.ucsb.edu

Prof. Thomas Sideris
Department of Mathematics
University of California, Santa Barbara
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Prof. Maria Helena Noronha
Department of Mathematics
California State University, Northridge
helena.noronha@csun.edu