Department of Mathematics
South Hall Rm 6607
University of California
Santa Barbara, CA 93106

http://www.ma.ucsb.edu/∼ethoren
ethoren@math.ucsb.edu
phone: (512) xxx-xxxx
fax:(805) 893-2385

Elizabeth Thoren

Citizenship: USA

Employment

- EAF Sponsored Lecturer
  University of California, Santa Barbara — July 2012-present
- Visiting Assistant Professor
  University of California, Santa Barbara — September 2009-June 2012

Education

- The University of Texas at Austin
  PhD in Mathematics - advisor: Misha Vishik — August 2009
- The University of Alabama in Huntsville
  BS in Mathematics - minor in Physics — December 2002

Publications

E. Thoren and B. Katz, *WikiTextbooks: designing your class around a collaborative writing project.* PRIMUS, 24:7, 574-593. June 2014.

E. Thoren, *Linear instability criteria for ideal fluid flows subject to two subclasses of perturbations.* J. Math. Fluid Mech. 01 October 2011.

Awards and Fellowships

- UCSB Non-senate Professional Development Small Grant – $650 for travel in summer 2014
- UCSB Non-senate Professional Development Small Grant – $900 for travel in summer 2013
- AWM Travel Grant–$1200 for travel in spring 2012
- 2010 Project NExT Fellow
- RTG Graduate Research Fellowship–full support for spring/summer 2008 and spring 2009
- VIGRE Graduate Research Fellowship–full support for 2003/04 and 2005/06
- Alice T. Schafer Prize–Honorable Mention (2003)

Teaching Experience

University of California, Santa Barbara — 2009-present

Senior Honor's Thesis Supervisor (Spring 2013)
Inquiry-based Linear Algebra with Applications
Inquiry-based Differential Equations
Inquiry-based Vector Calculus

Teaching Experience cont.

University of California, Santa Barbara 2009-present

Inquiry-based ODEs and Linear Algebra I and II
Differential and Integral Calculus
Differential Equations
ODEs and Linear Algebra II
Introduction to Linear Algebra
Calculus for the Life and Social Sciences

The University of Texas at Austin 2004-2008

Assistant Instructor: Inquiry-based Real Analysis
Teaching Assistant: RTG-REU in Computational Analysis
Instructor of Record: Precalculus
Teaching Assistant: Calculus, Differential Equations

Centers for Talented Youth - Johns Hopkins University Summer 2002

Teaching Assistant: Algebra I and II for gifted middle school students

Outreach and Service

- Guest Editor for Special Issue of PRIMUS on *Teaching Inquiry* June 2014-present
- Co-organizer of MAA Contributed Papers Session *Teaching Inquiry* at 2014 Joint Mathematics Meeting January 2014
- Journal Reviewer for PRIMUS
- Co-organizer of MAA Contributed Papers Session *Communicating Mathematics* at 2013 Joint Mathematics Meeting January 2013
- Co-organizer of Hypatian Seminar Fall 2012 - Spring 2012
- Co-organizer MAA PREP Workshop on Inquiry-Based Learning at UCSB Summer 2012
- National Science Foundation Review Panelist
- EDGE (Enhancing Diversity in Graduate Education) Faculty Mentor Fall 2010 - Spring 2012
- Overall Coordinator of Project NExT Panel Sessions for the 2011 Joint Mathematics Meeting Fall 2010
- Creator/Co-organizer for monthly Women in Math Happy Hour at UCSB Fall 2009-Spring 2012
- Co-organizer for the Distinguished Women in Mathematics Speaker Series at UT-Austin Fall 2008 - Spring 2009
- Member of selection committee for RTG Undergraduate Research Program Spring 2008/2009
- Organizer for Junior Analysis seminar at UT-Austin Spring 2007 - Spring 2008
- Graduate student assistant for Saturday Morning Math Group at UT-Austin Fall 2004 - Spring 2009
- Co-organizer of the mentoring program for new graduate students at UT-Austin Fall 2004

Selected Talks

Mathfest–Portland, OR

Student Conjecturing in Linear Algebra (August 2014)

Legacy of R.L. Moore Converence–Denver, CO

Inquiring Minds Want to Know: Articulating the Process of Mathematical Inquiry (June 2014)

University of California, Santa Barbara–Hypatian Seminar

How To Run A More Dynamic Discussion Section Without Really Trying (Any Harder) (March 2014)

Mathfest–Hartford, CT

IBL Classroom Activities Beyond Student Presentation (August 2013)

Legacy of R.L. Moore Conference–Austin, TX

WikiLogs: Students Reporting on Prework (June 2013)

University of California, Santa Barbara–Math Circle

Exploding Dots: Turn up the BASE (February 2013)

SIAM Conference on Analysis of PDEs–San Diego, California
AMS 2012 Spring Sectional – Honolulu, HI

Linear Instability for Euler's Equation - Two Classes of Perturbations (November 2011/March 2012)

California State University, Channel Islands

Getting a Grip on Fluid Motion (October 2011)

Legacy of R.L. Moore Conference–Washington, D.C./Mathfest–Lexington, KY

Wiki Technology Promotes Inquiry (June/August 2011)

Joint Mathematics Meeting–New Orleans, LA

A Week In the Life of an Inquiry-Based ODEs Course (January 2011)

Women in Mathematics Symposium–Pomona College, Claremont, CA

How a Fluid is Like a Tennis Racket: the Geometry of Fluid Motion (November 2010)

University of California, Santa Barbara

Stability is to ODEs as Stability is to Fluids (February 2012)
Linear Stability for Ideal Fluids (October 2011)
Making Sense of Div, Grad and Curl Through Fluid Motion (July 2011)
Stability of Vortex Patches (April 2011)
Using Rearrangements to Find Steady Fluid Flows (April 2010)
The Spectrum and Stability for PDEs (November 2009)
Group Structure of Fluid Dynamics and Linear Instability (October 2009)
Linear Instability for Inviscid, Incompressible Fluids (October 2009)

Selected Talks cont.

AMS Western Sectional Meeting–Riverside, CA

Linear Stability for Inviscid, Incompressible Flows: Two Classes of Perturbations (November 2009)

Jacksonville University–Jacksonville, FL

Have Math–Will Travel: Programs Abroad for Undergraduates in Math (October 2008)

Conference and Workshop Participation

- Mathfest in Portland, OR (August 2014)
- 17th Annual Legacy of R.L. Moore Conference in Denver, CO (June 2014)
- Workshop on Inquiry-Based Learning at Westmont College, Santa Barbara, CA (March 2014)
- Mathfest in Hartford, CT (August 2013)
- 16th Annual Legacy of R. L. Moore Conference in Austin, TX (June 2013)
- Joint Mathematics Meeting – San Diego, CA (January 2013)
- MAA PREP Workshop in Inquiry-Based Learning in Santa Barbara, CA (June 2012)
- 15th Annual Legacy of R. L. Moore Conference in Austin, TX (June 2012)
- AMS 2012 Spring Sectional in Honolulu, HI (March 2012)
- SIAM Conference on Analysis of Partial Differential Equations (November 2011)
- Project NExT Workshop and Mathfest in Lexington, KY (August 2011)
- 14th Annual Legacy of R.L. Moore Conference in Washington D.C. (June 2011)
- Joint Mathematics Meeting–New Orleans, LA (January 2011)
- Women in Mathematics Symposium at Pomona College, Claremont, CA (November 2010)
- Project NExT Workshop and Mathfest in Pittsburgh, PA (August 2010)
- 13th Annual Legacy of R.L. Moore Conference in Austin, TX (July 2010)
- 3rd Annual Southern California Symposium on Mathematical Fluids at Caltech (April 2010)
- WIMSC Symposium at the University of Southern California (February 2010)
- AMS Sectional Meeting at UC Riverside (November 2009)
- Workshop on Regularity Problems in Hydrodynamics–PIMS, Vancouver, BC (August 2009)
- 12th Annual Legacy of R.L. Moore Conference in Austin, TX (July 2009)
- Joint Mathematics Meeting–Washington D.C. (January 2009)
- Conference on Non-linear Phenomena in Mathematical Physics: Dedicated to Cathleen Synge Morawetz at the Fields Institute in Toronto (September 2008)
- AMS Sectional Meeting at DePaul University in Chicago (October 2007)
- MSRI Workshop: Women in Mathematics: The Legacy of Ladyzhenskaya and Oleinik (May 2006)
- Riviere-Fabes Symposium on Analysis and PDE at the University of Minnesota (April 2006)

Program Participation

- Budapest Semesters in Mathematics–Budapest, Hungary — Spring 2003
- Mathematics Advanced Studies Semesters (MASS)–Penn State — Fall 2001
- Indiana University Summer REU–Bloomington, IN — Summer 2001