

Curriculum Vitae

David W. Shoenthal
Department of Mathematics and Computer Science
Appointed at: Assistant Professor

April 19, 2011
Appointed: August 10, 2004
Current Rank: Associate Professor

I. Educational and Employment Data

A. Academic Preparation

Institution	Area of Study	Dates	Degree
1. Pennsylvania State University	Mathematics	1998 - 2004	Ph.D.
2. Juniata College	Mathematics/Communications	1994 - 1998	Bachelor of Arts

B. Title - Doctoral Dissertation

Several Results Concerning Low-Dimensional Length Spaces. Ph.D. received August 2004.

C. Academic Employment

Institution	Position	Dates
Longwood University	Associate Professor of Mathematics, Chair of the Department of Mathematics and Computer Science	2010 - present
	Assistant Professor of Mathematics	2004 - 2010

D. Professional Memberships

Organization	Membership Dates
1. Mathematical Association of America	November 2004 - present
2. American Mathematical Society	August 2000 - August 2004, January 2006 - December 2010

II. Professional Growth

A. Professional Responsibilities

- Department**
2004 - present Started and Maintain Mathematics/Computer Science Colloquium Series with Dr. M. Leigh Lunsford (Recent Fliers Included)
http://www.mathspace.com/Math_CS_Colloquium/
- 2005 - present Started and Maintain a departmental Problem of the Month for students with Dr. M. Leigh Lunsford and Dr. Phillip Poplin; cash prize sponsored by Pi Mu Epsilon (Recent Fliers Included)
<http://www.longwood.edu/staff/shoenthaldw/potm.html>

2005 - present	Advisor to students on program of study
2005 - present	Local Coordinator for Virginia Tech Regional Math Competition
2005 - present	Faculty Advisor to Virginia Epsilon Chapter of Pi Mu Epsilon
2006 - present	Local Coordinator for U.S. National Collegiate Problem Solving Competition
2010 - present	Chair of Department of Mathematics and Computer Science
Summer 2010	Developed Math 164: Precalculus as an online course
Summer 2009	Developed Math 114: Consumer Mathematics as an online course
Spring 2009	Ran honors enhancement for 3 students in Math 300: A Transition to Advanced Mathematics
Summer 2008	Developed Math 181: Finite Math as an online course
Spring 2008	Taught Special topics Math 395: Differential Geometry - 1 student had honors enhancement
Fall 2007	Developed Math 160: Integrated Calculus I and Math 260: Integrated Calculus II (one year sequence integrating precalculus and calculus topics to aid retention)
2007	Assisted in drafting Quantitative Reasoning "value-added" competency assessment
Fall 2006	Conducted directed study Math 490: Introduction to Game Theory with 2 students - From his final project in this course, Zack Johnson won first prize at Undergraduate Poster Session, MAA Sectional Meeting, Spring 2007; Zack also submitted an article in Spring 2008 to CCCAS Undergraduate Journal
Spring 2006	Conducted directed study Math 490: Geometric Topology with 2 students
2005	Collaborated with Dr. Sharon Emerson-Stonnell and Dr. Phillip Poplin to construct a Calculus pre-test

2. Region

2008 - 2010	Program Chair for MD-DC-VA Section of the MAA (Responsible for arranging the program at each regular meeting of the section—speaker and workshop invitations, scheduling all invited and contributed talks and other activities, consulting with and managing local coordinators of the meeting)
2007 - 2008	Program Chair-Elect for MD-DC-VA Section of MAA (Duties include organizing the Undergraduate Conference at the Spring 2008 Sectional meeting, helping the Program Chair organize the Fall and Spring Sectional meetings)

B. Awards and Other Commendations

2009	Recipient of American Democracy Grant for Fiscal Wake-Up Tour
2009	Winner: Junior Faculty Award
2005, 2008	Certificate of Appreciation - Longwood Athletic/Academic Banquet

2006, 2007	Exceptional Merit Raise
2005	Chosen as 2005-2006 Exxon-Mobil Project NExT Fellow
2004	Chosen as 2006 MAA Section NExT Fellow

C. Conferences & Workshops

2011	Attended Spring 2011 Sectional MAA meeting at Randolph-Macon College
2011	Attended Longwood University Assessment Conference
2010	Attended Shenandoah Undergraduate Mathematics and Statistics Conference ⊗ <u>Poster Judge</u> for Student Poster Competition
2010	Attended Mathfest 2010 in Pittsburgh, PA ⊗ <u>Talk</u> : “Student Success in Face-to-Face Versus Online Finite Mathematics Class.” MAA General Contributed Paper Session.
2010	Attended Spring 2010 Sectional MAA meeting at Virginia State University ⊗ <u>Program Chair</u> of the Section—In Charge of Inviting Main Speakers, Designing the schedule, Accepting/Declining Contributed Talks, Contact person with Local Coordinator on all arrangements for the conference, Coordinating with Section’s Student Activities Coordinator to Design Undergraduate portion of the conference.
2009	Attended Fall 2009 Sectional MAA meeting at Goucher College ⊗ <u>Program Chair</u> of the Section—In Charge of Inviting Main Speakers, Designing the schedule, Accepting/Declining Contributed Talks, Contact person with Local Coordinator on all arrangements for the conference.
2009	Attended Shenandoah Undergraduate Mathematics and Statistics Conference ⊗ <u>Poster Judge</u> for Student Poster Competition
2009	Attended Spring 2009 Sectional MAA meeting at the University of Mary Washington ⊗ <u>Program Chair</u> of the Section—In Charge of Inviting Main Speakers, Designing the schedule, Accepting/Declining Contributed Talks, Contact person with Local Coordinator on all arrangements for the conference, Coordinating with Section’s Student Activities Coordinator to Design Undergraduate portion of the conference.
2009	Attended Joint Mathematics Meetings 2009 in Washington D.C. ⊗ <u>Talk</u> : “A Geometric Complexity Result in a Certain Length Space.” MAA General Contributed Paper Session
2008	Attended Fall 2008 Sectional MAA meeting at Hood College ⊗ <u>Program Chair</u> of the Section—In Charge of Inviting Main Speakers, Designing the schedule, Accepting/Declining Contributed Talks, Contact person with Local Coordinator on all arrangements for the conference.
2008	Attended Shenandoah Undergraduate Mathematics and Statistics Conference ⊗ <u>Poster Judge</u> for Student Poster Competition
2008	Awarded a LOTI grant and attended May 2008 LOTI training for the development of a fully online course

- 2008 Attended Longwood Workshop on Integrating Curricula in the Mathematical, Biological, and Environmental Sciences
- 2008 Attended Spring 2008 Sectional MAA meeting at EMU/JMU
 ☉ Program Chair-Elect of the Section—Organized Undergraduate Poster Session, Undergraduate Presentation Session, Jeopardy Competition; Assisted with Schedule of Events, Introductions of Invited Speakers
- 2007 Attended Fall 2007 Sectional MAA meeting at Anne Arundel Community College
 ☉ Program Chair-Elect of the Section—Assisted with Schedule of Events, Introductions of Invited Speakers
- 2007 Participated in MAA PREP (PProfessional Enhancement Program) Workshop *Calculus: Online and Interactive*
- 2006 Attended Fall 2006 Sectional MAA meeting at Longwood University/Hampden Sydney College
 ☉ Local Co-Coordinator, with Dr. Robb Koether (HSC)
- 2006 Participated in 2006 Project NExT workshops at Summer 2006 Mathfest
 ☉ Co-Organizer for Panel: “Getting Tenure without Going Insane.”
- 2006 Attended Spring 2006 Sectional MAA meeting at Loyola College
 ☉ Judge: Undergraduate Student Papers
 ☉ Talk: “Naïve Calculus: The Chain Rule.” Contributed Paper Session
 ☉ Section NExT participant
- 2006 Participated in 2006 Project NExT workshops at Joint Mathematical Meetings
- 2005 Attended Fall 2005 Sectional MAA meeting at Montgomery College
 ☉ Contributing panelist, Session: Classroom Project Use
 ☉ Section NExT participant
- 2005 Participated in 2005 Project NExT workshops at Summer 2005 MathFest
- 2005 Attended Spring 2005 Sectional MAA meeting at UVA
 ☉ Section NExT participant
- 2004 Attended Fall 2004 Sectional MAA meeting at Morgan State University
 ☉ Section NExT participant

III. Scholarly Activities

A. Research

- 2011 Referee for *Involve*. Article: Nathan Poirier and Michael McDaniel. “Alhazen's hyperbolic billiard problem.”
- 2008 Referee for *Journal of Integer Sequences*. Article: Steven Schlicker, Lisa Morales, and Daniel Schultheis. “Polygonal Chain Sequences in the Space of Compact Sets.”

B. Publications

- 2008 M. Leigh Lunsford, M. Pendergrass, P. Poplin, and D. Shoenthal. "The Naïve Chain Rule." *The College Mathematics Journal*. Volume 39, Number 2 (March 2008) 142-145.
- 2008 D. Burago, S. Ivanov, and D. Shoenthal. "Two Counter-Examples in Low Dimensional Length Geometry." *St. Petersburg Mathematical Journal*. 19 (2008) 33-43.
- 2004 Yu. D. Burago and D. Shoenthal. "Metric Geometry." *New Analytic and Geometric Methods in Inverse Problems* (eds. K. Bingham, Y. Kurylev, E. Somersalo). Springer-Verlag.

C. Invited Talks

- October 2005 "Defining Length." University of Mary Washington.
- April 2004 "Generalizing Length." Susquehanna University.

IV. Service to University/Local Community

- 2005 - present Started (with Anna Cox) and Maintain (with Melissa Panzarello Koger) General Education Film Series
<http://www.longwood.edu/lcva/programs/university/filmseries.html>
Each year from 2008-2010, GEFS co-sponsored a French Film Festival at Longwood.
- 2005 - present Lector - St. Theresa's Catholic Church
- 2007 - 2011 Faculty Senator
- 2009 - 2011 Chairman - Parish Council, St. Theresa's Catholic Church
- 2010 - 2011 Cook-Cole Endowment and Awards Committee
- 2010 - 2011 Member - SACS Committee 2.8
- 2010 - 2011 Member - Hiring Committee for two positions in Nursing
- 2006 - 2010 Chair - Mathematics and Computer Science Curriculum Committee
- 2006 - 2010 Member - Department Awards Committee
- 2009 - 2010 Chair - CAS Curriculum Committee and Member of EPC
- 2009 - 2010 Member - Faculty Senate Executive Committee and Presidential Advisory Committee
- 2009 - 2010 Member - Ad Hoc Committee on Faculty Senate Self-Assessment
- 2010 Moderator - SGA Presidential Debate
- 2010 Panelist in CAFÉ discussion on Wiki usage in classes
- 2008 - 2009 Chair - Faculty Awards Committee

2007 - 2009	Member - Parish Council, St. Theresa's Catholic Church
2007 - 2009	Member - Local Planning Commission, representing St. Theresa's Church
2006 - 2009	Member - CAS Curriculum Committee
2009	Co-organized (with Anna Cox) the Fall Simkins Lecture (Fiscal Wake-Up Tour)
2009	Member - Blackboard 8 Pilot Test Group
2008	Member - Ad Hoc Committee on Student Commencement Participation
2007 - 2008	Volunteer: Judge for FBLA Regional Public Speaking Contest
2006 - 2008	Member - Faculty Awards Committee
2005 - 2006	Member - Mathematics and Computer Science Curriculum Committee
2005 - 2006	Member - Faculty Development and Research Committee