**SUZANNE BOYD (formerly HRUSKA)**

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**EDUCATION**

* Ph.D., Mathematics, Cornell University, August 2002, Advisor: John Smillie.
* M.S., Mathematics, Cornell University, August 1999
* B.S., Applied Mathematics, University of Missouri at Rolla, May 1997.

**RESEARCH INTERESTS**

* Dynamical Systems in Several Complex Variables, AMS MSC 37, 32;
* Computer-assisted proof techniques, AMS MSC 65.

**EMPLOYMENT**

* Associate Professor, University of Wisconsin Milwaukee, Fall 2013--Present.
* Assistant Professor, University of Wisconsin Milwaukee, Fall 2006--Spring 2013.
* Visiting Assistant Professor, Indiana University, Fall 2003--Summer 2006.
* Visiting Assistant Professor, State University of New York, Stony Brook, AY 2002--2003.

**PUBLICATIONS**

* For a complete list of my research publications, and links to my developed software *Dynamics Explorer*, *Medusa*, and *Hypatia*, see my website: <http://www.uwm.edu/sboyd/research.html>

**TEACHING EXPERIENCE at UWM**

* Math 105, 116, 117, 231, 232, 233, 234, 278, 341, 381, 581, 621, 622, 675, 713, and 714.

**GRANTS / AWARDS**

* Faculty sabbatical from UWM for AY 14--15 (a 50% sabbatical for the full year).
* Summer support for assisting with development of Algebraic Literacy Pathway, Math 098/108, from UWM College of L & S, Summer 2014.
* Tenure and promotion to Associate Professor at UWM, Spring 2013.
* Course buyout for establishing interdisciplinary research program, from UWM Mathematical Sciences department, Fall 2010.
* Co-PI on NSF conference grant for organizing Spring Topology and Dynamics Conference at UWM, AY 2007--2008, $44,800.00.
* UWM Graduate School Research Committee Award, July 2007 -- June 2008, $10,000.
* Course buyout from Milwaukee Mathematics Partnership NSF grant, Fall 2007.
* Association for Women in Mathematics Travel Grant, Summer 2007, $1500.
* NSF IGERT (*Integrative Graduate Education and Research Traineeship*), Fellowship for interdisciplinary mathematics, Fall 1999--Summer 2000.

**PROFESSIONAL DEVELOPMENT**

* Transforming STEM Higher Education, Association of American Colleges and Universities, Atlanta, Georgia, Nov. 2014.
* UWM Center for Excellence in Teaching and Learning workshops on 'Active Learning' and workshop on 'Course Design', Fall 2014.
* UWM Faculty College Attendee, UW-Richland Center, May 2014.
* Shared Governance Reception, UWM, Nov. 2013.
* Pathways to Academic and Scholarly Leadership, Panel Discussion of Women who are UWM Distinguished Professors, Nov. 2013.
* CIO Briefing: Research Computing at UWM - Moving Forward, Jul. 2008.

**SELECTED INVITED RESEARCH LECTURES**

* ICERM workshop Computation in Dynamics, April 4-8, 2016.
* Women in Mathematical Sciences Symposium, Notre Dame University, April 5, 2014.
* Joint AMS-MAA meetings, Special Session, San Diego, Jan. 5-9, 2013.
* Interactions between continuous and discrete holomorphic dynamical systems, BIRS (Banff International Research Station), Banff, Canada, Jul. 8--13, 2012.
* Tutorial Week to Moduli Spaces Associated to Dynamical Systems Workshop, ICERM, Brown Univ., Apr. 11--13, 2012.
* Carleton/St. Olaf Colleges Summer Math Program SMPosium, July 2011 and 2005.
* Roosevelt University Math X-Position, Keynote Speaker, December 2010.
* Joint AMS-SMM meeting, Special Session in Dynamical Systems, Berkeley, June 2010.
* International Workshop in Computer assisted proofs in hyperbolic dynamics, Imperial College London, March 2008.
* First Joint Meeting of the AMS and Polish Math Society, Warsaw, Poland, July 2007.
* Complex Dynamics: Twenty-Five Years after the Appearance of the Mandelbrot Set, a Joint Summer Research Conference, Snowbird, Utah, June 2004.
* Thematic School on Surgery, in Dynamical Systems Trimester, Institut Henri Poincare, Paris, France, Oct. 2003.
* Workshop on Holomorphic Dynamics, in Symposium on Geometric and Probabilistic Aspects of Dynamical Systems, University of Warwick, England, April 2003.
* CIRM Residential Session on Dynamical Systems, Marseille, France, January 2001.

**SELECTED SERVICE ACTIVITIES**

* *Professional/National:*
	+ Grant Review Panelist, National Science Foundation, Spring 2013.
	+ National Steering Committee for Spring Topology Conference, March 2007 -- Spring 2013.
	+ Dynamical Systems Special Session Organizer, STDC March 2010.
	+ Referee for professional journals (11 journals so far).
	+ Reviewer for AMS *Math Reviews* (11 papers, so far).
	+ Advisory Board Member, MAA's *Math Horizons* Magazine, Jan. 1999--Dec. 2003.
* *UWM Administrative:*
	+ Associate Chair for Undergraduate Studies, UWM Math Dept., Fall 2015--Present.
	+ Undergraduate Curriculum Committee, UWM Math Dept., Spring 2009--Present.
	+ L&S Natural Sciences Executive Committee, UWM, May 2015--Present.
	+ Search Committee, Assistant Faculty Associate Position in UWM Math Dept. (Graduate Program Assistant / Calculus Coordinator), AY 13--14.
	+ Tenure/Promotion Committee, AY 13--14 (for Peter Hinow, UWM Math Dept.).
	+ Strategic Vision/Planning Committee, UWM Math Dept., AY 13--14.
	+ Search Committee, for a tenure-track Assistant Professorship (in Math), AY 13--14.
	+ Search Committee, UWM Math 105 Coordinator, AY 12-13.
	+ Chair, Open House Committee, UWM Math Dept., Fall 2012.
	+ Math 231 (Calculus I) Course Coordinator, Spring 2012. Supervised graduate students and academic staff teaching and scheduled the Gateway lab.
	+ Masters Exam Committee, UWM Math Dept., AY 09-10 & 11-12, & 13-14.
	+ Organizer, Applied & Computational Math Seminar, UWM Math 799, Fall 2011--Spring 2013.
	+ Organizer, Dynamics/Biodynamics Seminar, UWM Math Dept., Fall 2006--Spring 2011.
	+ Chair, Social Committee, UWM Math Dept., Spring 2010--Spring 2011.
	+ Math Ed. Committee, UWM Math Dept., AY 07--08.
	+ Local Organizing Committee, Spring Topology & Dynamics Conference in Milwaukee (jointly hosted by UWM and Marquette), March 2008.
	+ TA Evaluator, Math TA Training, UWM, August 2006 and 2007.
* *Directing student research:*
	+ Ph.D. Thesis Advisor: 2 students in progress, Jesse Feller completed Summer 2015
	+ Summer Undergraduate Research (UWM SURF), two projects, Summer 2014.
	+ Masters Thesis Advisor, Spring 2013 (Simon Wagner, won Math Dept. Marden Award).
	+ Masters Project Advisor: two in AY 2010-11, one in 2008.
	+ Math Major Capstone Project Advisor, AY 09-10, student earned Math Dept. Marden Award.