Vita

Paul Blanchard
Professor of Mathematics
Boston University

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EDUCATION	1973–1978	Ph.D. Yale University
	1969–1973	B.A. Brown University, *magna cum laude*
	1972–1973	University of Warwick, occasional student

EMPLOYMENT	1980–	Boston University
	1979–1980	Assistant Professor of Mathematics University of Southern California

OTHER PROFESSIONAL EXPERIENCE	2006–2010	Director of Graduate Studies Department of Mathematics and Statistics Boston University
	1998–1999	Visiting Associate Professor of Mathematics Bentley College
	1988	Member Institute for Advanced Study Princeton, NJ
	1988	Member Max-Planck-Institut für Mathematik Bonn, Germany
	1984–1988	Director of Graduate Studies Department of Mathematics Boston University
	1984	Member Mathematical Sciences Research Institute Berkeley, CA
	1983	Member Institute for Advanced Study Princeton, NJ

| OTHER PROFESSIONAL EXPERIENCE (CONTINUED) | 1982–1983 | Postdoctoral Fellow
Institute for Mathematics and its Applications
Minneapolis, MN |
| | 1978 | Visiting Assistant Professor of Mathematics
Northwestern University |

AWARDS & HONORS	November 2012	Member of the Inaugural Class of Fellows of the American Mathematical Society
	June 2011	*Differential Equations Across the Collegiate Curriculum*, A conference in honor of Paul Blanchard's 60th birthday.
	Spring 2003	Finalist for the Metcalf Cup and Prize for Excellence in Teaching, Boston University
	June 2001	Recipient of the Year 2001 Award for Distinguished College and University Teaching presented by the Northeast Section of the Mathematical Association of America
	March 1993	Invited by the American Mathematical Society to be a principal lecturer at its regional meeting in Knoxville, TN

GRANTS	2010–2012	Principal Investigator, Boston University Grant, *Redesigning the Undergraduate Learning Experience in Calculus at Boston University.* Grant to support a large-scale revision of the teaching of calculus at Boston University. Nine full-time faculty members are involved in this project.
	2009–2012	Steering Committee, Graduate Assistance in Areas of National Need (GAANN) Grant, U.S. Department of Education. Grant to support at least four graduate students for two years each. As a member of the Steering Committee, I helped write the proposal. As director of graduate studies in 2009 and 2010, I administered the award jointly with the GAANN project director Takashi Kimura.
	2008	Co-Principal Investigator (with Linda Keen), NSF Grant *Dynamical Systems and Topology,* CUNY Herbert H. Lehman College. Grant to support travel for US-based mathematicians to conference in Barcelona, Spain.
	2004–2006	Principal Investigator, NSF Grant. *webODEs: A web site devoted to the teaching of ordinary differential equations.* Boston University.
	2003–2008	Senior Investigator, NSF Grant. *Focus on Mathematics: Creating Learning Cultures for High School Achievement.* Boston University.
	1996–1997	Principal Investigator, NSF Grant. *Teaching Differential Equations Using a Dynamical Systems Perspective.* Boston University.
	1993–1996	Principal Investigator, NSF Grant. *Differential Equations: A Dynamical Systems Approach.* Boston University.

GRANTS (CONTINUED)		
	1985–1987	Senior Investigator. *Transition to Chaotic Dynamics in Nonlinear Systems.* DARPA Program in Applied and Computational Mathematics. Boston University.
	1985	Principal Investigator, NSF Grant. *Departmental Computer Facilities.* Boston University.
	1982	Senior Investigator, NSF Grant. *Computer Graphics and Dynamical Systems.* Boston University.
	1980–1982	Principal Investigator, NSF Grant. *The Periodic Behavior of Two- and Three-Dimensional Dynamical Systems.* University of Southern California.
	1979–1980	Principal Investigator, NSF Grant. *Bifurcation Theory and Simple Arcs.* University of Southern California

RESEARCH ARTICLES

1. P. Blanchard, D. Cuzzocreo, R. L. Devaney, E. Fitzgibbon, and S. Silvestri. *A Dynamical Invariant for Sierpiński Cardioid Julia sets*, manuscript submitted for publication.

2. P. Blanchard, F. Çilingir, D. Cuzzocreo, R. L. Devaney, D. M. Look, and E. D. Russell. *Checkerboard Julia Sets for Rational Maps*, International Journal of Bifurcation and Chaos, 23 (2013) 1330004 (13 pages).

3. P. Blanchard, R. Devaney, A. Garijo Real, S. Marotta and E. Russell. *Rabbits, Basilicas, and Other Julia Sets Wrapped in Sierpiński Carpets*, Chapter 7 of *Complex dynamics: families and friends*, ed. by Dierk Schleicher, A. K. Peters, Ltd, 2009, 277–295.

4. P. Blanchard, R. Devaney, A. Garijo Real and E. Russell. *A Generalized Version of the McMullen Domain. International Journal of Bifurcation and Chaos*, 18 (2008), 2309–2318.

5. P. Blanchard, R. Devaney, D. Look, M. Moreno Rocha, P. Seal, S. Siegmund and D. Uminsky. *Sierpiński Carpets and Gaskets as Julia Sets of Rational Maps, Dynamics on the Riemann Sphere: A Bodil Branner Festschrift*, ed. by P. Horth and C. Petersen. European Mathematical Society, 2006, 97–119.

6. P. Blanchard, R. Devaney, D. Look, P. Seal and Y. Shapiro. *Sierpiński Curve Julia Sets and Singular Perturbations of Complex Polynomials. Ergodic Theory and Dynamical Systems*, **25** (2005), 1047–1055.

7. P. Blanchard. *Easy Animations.* Article in the conference proceedings *Invention and Impact: Building Excellence in Undergraduate Science, Technology, Engineering and Mathematics (STEM) Education*, American Association for the Advancement of Science, 2004, 147–149. Also available at `http://math.bu.edu/people/paul/nsf_ccli_presentation_2004.html`. This on-line version is better than the one that was published by AAAS.

8. P. Blanchard, R. Devaney and L. Keen. *Complex Dynamics and Symbolic Dynamics.* Proceedings of the Symposia in Applied Mathematics, **60**, American Mathematical Society, Providence, Rhode Island, 2004, 37–60.

RESEARCH
ARTICLES
(CONTINUED)

9. P. Blanchard. *The Dynamics of Newton's Method.* Book chapter in *Complex Dynamical Systems: The Mathematics Behind the Mandelbrot and Julia Sets*, ed. by Robert L. Devaney, Proceedings of Symposia in Applied Mathematics, **49**, American Mathematical Society, Providence, Rhode Island, 1994, 139–154.

10. P. Blanchard. *Teaching Differential Equations with a Dynamical Systems Viewpoint.* College Mathematics Journal, Mathematical Association of America, **25**, 5 (November 1994), 385–393.

11. P. Blanchard. *Complex Analytic Dynamics on the Riemann Sphere.* Reprint of my 1984 BAMS article in *Nonlinear and Global Analysis*, ed. by F. Browder, American Mathematical Society, 1992, 551–607.

12. P. Blanchard and A. Chiu. *Complex Dynamics: An Informal Discussion.* Book chapter in *Fractal Geometry and Analysis*, ed. by Jacques Bélair and Serge Dubuc, Kluwer Academic Publishers, 1991, 45–98.

13. P. Blanchard, R. Devaney and L. Keen. *The Dynamics of Complex Polynomials and Automorphisms of the Shift.* Inventiones Mathematicae **104** (1991), 545–580.

14. P. Blanchard. *Disconnected Julia Sets.* Book chapter in *Chaotic Dynamics and Fractals*, ed. by Michael Barnsley and Stephen Demko, Academic Press, 1986.

15. P. Blanchard. *Symbols for Cubics and other Polynomials.* Preprint, 1984.

16. P. Blanchard. *Complex Analytic Dynamics on the Riemann Sphere.* Bulletin of the American Mathematical Society (New Series) **11** (1984), 85–141.

17. P. Blanchard and J. Franks. *An Obstruction to the Existence of Certain Dynamics in Surface Diffeomorphisms.* Ergodic Theory and Dynamical Systems **1** (1981), 255–260.

18. P. Blanchard and J. Franks. *The Dynamical Complexity of Orientation Reversing Diffeomorphisms of Surfaces.* Inventiones Mathematicae **62** (1980), 333–339.

19. P. Blanchard. *Invariants of the NPT Isotopy Classes of Morse-Smale Diffeomorphisms of Surfaces.* Duke Mathematical Journal **47** (1980), 33–46.

BOOKS

1. P. Blanchard, R. Devaney and G. Hall. *Differential Equations*, International Fourth Edition, Cengage Learning, 2011, 836 pages.

2. P. Blanchard, R. Devaney and G. Hall. *Differential Equations*, Fourth Edition, Cengage Learning, 2011, 834 pages.

3. P. Blanchard, R. Devaney and G. Hall. *Differential Equations*, Third Edition, Brooks/Cole Publishing Co, 2006, 832 pages.

4. P. Blanchard, R. Devaney and G. Hall. *Differential Equations*, Second Edition, Brooks/Cole Publishing Co, 2002, 786 pages.

5. P. Blanchard, R. Devaney and G. Hall. *Ecuaciones Diferenciales*, International Thomson Editores, 1999, xv + 732 pages. This is the Spanish translation of the first edition of our differential equations book.

6. P. Blanchard, R. Devaney and G. Hall. *Differential Equations*, First Edition, Brooks/Cole Publishing Co, 1998, 732 pages.

BOOKS (CONTINUED)	7. P. Blanchard, R. Devaney and G. Hall. *Differential Equations*, Preliminary Edition, PWS Publishing Co, 1996, 672 pages.
	8. D. Berkey and P. Blanchard. *Calculus*, 3e, HBJ/Saunders College Publishing, 1992, xxxii + 1149 + A.182 pages.
	9. D. Berkey and P. Blanchard. *Calculus of One Variable*, 3e, HBJ/Saunders College Publishing, 1992, xxxii + 810 + A.164 pages.

BOOK REVIEWS	1. P. Blanchard. *Iteration of Rational Functions*, by Alan F. Beardon, Springer-Verlag, 1991. SIAM Review **35** (1993), 310–312
	2. P. Blanchard. *Chaos and Fractals: The Mathematics Behind The Computer Graphics*, ed. by R.L. Devaney and Linda Keen, American Mathematical Society, 1989. American Scientist **79** (1991), 568–569

WORKSHOPS ORGANIZED	January 2012	Boston, MA Organized and led a four-hour MAA minicourse on the Boston University Differential Equations Project
	August 2011	Lexington, KY Organized and led a four-hour MAA minicourse on the Boston University Differential Equations Project
	May 2009	Tecnológico de Monterrey, Monterrey, Mexico Organized and led a three-day minicourse on teaching differential equations from a dynamical systems perspective
	May 2007	Tecnológico de Monterrey, Guadalajara, Mexico Organized and led a three-day minicourse on differential equations and dynamical systems
	August 2004	Providence, RI Organized and led a four-hour MAA minicourse on the Boston University Differential Equations Project
	July 2004	Boston, MA Organized and led a three-day NSF/Chautauqua minicourse on the Boston University Differential Equations Project
	August 2002	Burlington, VT Organized and led a four-hour MAA minicourse on the Boston University Differential Equations Project
	June 2002	Boston, MA Organized and led a three-day NSF/Chautauqua minicourse on the Boston University Differential Equations Project
	January 2002	San Diego, CA Organized and led a four-hour MAA minicourse on the Boston University Differential Equations Project

WORKSHOPS ORGANIZED (CONTINUED)	July 2001	Park City Mathematics Institute, Park City, UT Sponsored by the Institute for Advanced Study Organized and led (with John Polking, Rice University) the Undergraduate Faculty Program. This three-week program consisted of three seminars daily on the teaching of differential equations at the college level. It was one of the six individual programs that were part of the integrated summer session of PCMI.
	August 2000	Los Angeles, CA Organized and led a four-hour MAA minicourse on the Boston University Differential Equations Project
	July 1999	Providence, RI Organized and led the Mathematical Association of America's two-day short course prior to the summer meeting of the MAA. This short course surveyed revisions of the traditional differential equations course at various colleges and universities in the United States.
	January 1998	Baltimore, Maryland Organized and led a four-hour MAA minicourse on the Boston University Differential Equations Project
	June 1997	DePaul University Organized and led four-day workshop on "Teaching Differential Equations with a Dynamical Systems Perspective"
	June 1997	Davidson College Organized and led four-day workshop on "Teaching Differential Equations with a Dynamical Systems Perspective"
	January 1997	San Diego, CA Organized and led a four-hour MAA minicourse on the Boston University Differential Equations Project
	November 1996	Reno, NV Organized and led a two-hour minicourse on the Boston University Differential Equations Project at the International Conference on Technology in Collegiate Mathematics
	June 1996	Oberlin College Organized and led four-day workshop on "Teaching Differential Equations with a Dynamical Systems Perspective"
	June 1996	Boston University Organized and led four-day workshop on "Teaching Differential Equations with a Dynamical Systems Perspective"
	January 1996	Orlando, FL Organized and led a one-day workshop on the Boston University Differential Equations Project
	November 1995	Houston, TX Organized and led a one-day workshop on the Boston University Differential Equations Project at the International Conference on Technology in Collegiate Mathematics

WORKSHOPS ORGANIZED (CONTINUED)	June 1995	San Jose, CA Organized and led a one-day workshop on the Boston University Differential Equations Project
INVITED LECTURES	August 2011	Lecture in special session on complex dynamics MAA Mathfest, Lexington, KY
	May 2011	Lecture in breakout session during the Trends in Complex Dynamics workshop at the Clay Mathematics Institute Harvard University
	November 2010	Lecture in Complex Dynamics Seminar Universitat de Barcelona
	November 2010	Lecture in Dynamical Systems Seminar Universitat Autònoma de Barcelona
	November 2010	CODY Conference on One-Dimensional Dynamical Systems. Stefan Banach International Mathematical Center, Warsaw, Poland
	May 2010	Eighth American Institute of Mathematical Sciences International Conference on Dynamical Systems, Differential Equations, and Applications. Dresden, Germany.
	June 2009	Lecture in Complex Dynamics Workshop Boston University
	June 2008	Lecture in Symbolic Dynamics Workshop Boston University, Center for Computational Science
	February 2008	Focus on Mathematics Seminar Waltham High School
	April 2007	Lecture at Pi Mu Epsilon induction ceremony Holy Cross College
	February 2007	International Conference on Technology in Collegiate Mathematics: Lecture on the `webodes.org` web site
	September 2006	Boston University Dynamical Systems Seminar
	January 2005	Poster, MAA poster session on projects supported by the NSF Division of Undergraduate Education Joint Mathematics Meetings, Atlanta, GA
	January 2005	SIAM Minisymposium on Undergraduate Linear Algebra and Differential Equations: Projects, Problems, and Issues Joint Mathematics Meetings, Atlanta, GA
	April 2004	Workshop presenter National Science Foundation CCLI program conference *Invention and Impact: Building Excellence in Undergraduate STEM Education*
	April 2004	Congressional Luncheon Briefing Rayburn House Office Building, Washington, DC Held by the American Association for the Advancement of Science and the National Science Foundation

INVITED LECTURES (CONTINUED)		
	November 2003	Mathematical Association of America Northeastern Section Meeting: One-hour seminar on teaching for the northeastern section of Project NeXT
	September 2003	Boston University Dynamical Systems Seminar
	March 2003	Panelist on RUMBUS panel *What every math major should know in the 21st Century, in view of the discipline itself, the job market, the changing and interdisciplinary nature of mathematics*, Boston University
	November 2002	International Conference on Technology in Collegiate Mathematics: Lecture on animations in the differential equations course
	June 2002	Mathematical Association of America Northeastern Section Summer Short Course: Lecture on how to post 3-dimensional animations on the web
	November 2001	Mathematical Association of America Northeastern Section Meeting: One-hour invited address as recipient of the 2001 Award for Distinguished College and University Teaching
	November 2001	International Conference on Technology in Collegiate Mathematics: Lecture on animations in the multivariate calculus course
	April 2001	Association of Advanced Placement Mathematics Teachers, Boston, MA: One-hour invited lecture on teaching with technology
	April 2001	Harvard University Mathematics Education Seminar One-hour invited lecture (with Haynes Miller, MIT) on the teaching of differential equations
	December 2000	United States Air Force Academy One-hour invited lecture on teaching with technology
	November 2000	International Conference on Technology in Collegiate Mathematics: Lecture on the use of animation in the ordinary differential equations course
	June 2000	Mathematical Association of America Northeastern Section Meeting: One-hour invited address
	April 1999	Montgomery County Community College Mathematics Awareness Week lecture for the entire college community on fractals that arise in Newton's method
	November 1998	International Conference on Technology in Collegiate Mathematics: Lecture (with R.L. Devaney) on the use of animation in the ordinary differential equations course
	March 1998	Rowan University Lecture on reform throughout the lower-level curriculum
	November 1997	United States Military Academy Lecture on the BU Differential Equations Project

INVITED LECTURES (CONTINUED)	November 1997	International Conference on Technology in Collegiate Mathematics: Lecture (with R.L. Devaney) on technology and qualitative theory in the ordinary differential equations course
	January 1997	University of Michigan at Ann Arbor Department seminar on the teaching of differential equations
	November 1996	International Conference on Technology in Collegiate Mathematics: Lecture (with R.L. Devaney) on teaching differential equations with a dynamical systems perspective
	June 1996	Conference on the Teaching of Mathematics, Baltimore, MD Organized and led panel on "Involving the Engineering Community in the Teaching of Differential Equations"
	March 1996	University of Puerto Rico at Mayaguez Colloquium on the teaching of differential equations
	November 1995	International Conference on Technology in Collegiate Mathematics: Lecture (with R.L. Devaney) on teaching differential equations with a dynamical systems perspective
	June 1995	Conference on the Teaching of Mathematics, San Jose, CA Panel on "Vector Calculus vs. Differential Equations"
	June 1995	Conference on the Teaching of Mathematics, San Jose, CA Contributed Paper
	January 1995	Annual Meeting of the MAA Special Session on the "First Two Years"
	November 1994	International Conference on Technology in Collegiate Mathematics: Panel on the teaching of differential equations
	July 1994	University of Maryland Lecture at NSF-sponsored Faculty Enhancement Workshop on Chaos and Fractals
	June 1994	Harvard University Lecture at NSF-sponsored Faculty Enhancement Workshop on Calculus Reform
	January 1994	Annual Meeting of American Mathematical Society Principal Lecturer in Short Course on Complex Dynamics
	January 1994	Boston University Presentation to FIPSE-supported project to train teaching fellows at Boston University, Harvard University, Brandeis University, and the University of New Hamphire
	January 1994	Educational Development Corporation Seminar lecture
	October 1993	Boston University Lecture at Mathematics Field Day
	September 1993	Boston University, *Mathematica* Days Panel on the Use of *Mathematica* in Collegiate Mathematics Instruction
	June 1993	Harvard University, Conference on the Teaching of Calculus Panel on the Teaching of Differential Equations

INVITED LECTURES (CONTINUED)	May 1993	University of Wisconsin, Parkside Three lectures on *Mathematica* and Mathematics Education
	April 1993	Harvard University Panel on Boston Area Calculus Reform Activities
	March 1993	American Mathematical Society Southeastern Regional Meeting One-hour Invited Address
	November 1992	Mathematical Association of America Northeastern Section Meeting One-hour Invited Address
	November 1992	Boston University Colloquium
	November 1992	Bridgewater State College Panel on Calculus Reform
	November 1992	Boston University Lecture at Mathematics Field Day
	April 1992	George Washington University Colloquium
	July 1991	Regional Institute in Dynamics Boston University
	July 1991	National Science Foundation Secondary School Teachers Institute Boston University
	July 1990	Regional Institute in Dynamics, Boston University Principal Lecturer: Six Lectures on Complex Dynamics
	March 1990	Spring Meeting of Association of Teachers of Mathematics in Massachusetts—Major Session Holy Cross College
	March 1990	Université Laval Physics Department Colloquium
	February 1990	Tulane University Colloquium
	February 1990	Short Course on Chaos Annual Meeting of American Association for the Advancement of Science —New Orleans, LA
	November 1989	Worcester Academy Assembly (all students: grades 7–12)
	July 1989	NATO Conference on Fractal Geometry Université de Montréal, Six Lectures on Complex Dynamics
	June 1989	AMS Summer Meeting on the Relationship Between Continuum Theory and the Theory of Dynamical Systems
	February 1989	Roger Williams College Natural Science Seminar Series
	November 1988	Institute for Advanced Study Dynamical Systems Seminar

INVITED LECTURES (CONTINUED)	November 1988	IBM Watson Laboratories Dynamical Systems Seminar
	October and November 1988	William Paterson College Series of Five Lectures on Complex Dynamics
	September 1988	American Society of Mechanical Engineers General Membership Meeting of Hartford Section
	June 1988	University of Bremen Dynamics Seminar
	May 1988	University of Bonn Hausdorff Seminar
	May 1988	Max-Planck-Institut für Mathematik Dynamics Seminar
	May 1988	Avco Research Laboratory Research Seminar
	May 1988	Northwestern University Dynamical Systems Seminar
	January 1988	University of Waterloo Colloquium
	August 1987	Summer Meeting on Complex Dynamics American Mathematical Society Cornell University
	June 1987	Computer Graphics in the Arts and Sciences Association of Computing Machinery SIGGRAPH—New York Chapter
	April 1987	Special Session on Nonlinear Dynamics and Chaos Regional Meeting of American Mathematical Society Newark, NJ
	September 1986	William Paterson College Colloquium
	May 1986	Special Session on Chaotic Dynamics American Association for the Advancement of Science Annual Meeting—Philadelphia, PA
	May 1986	Amherst College Valley Geometry Seminar
	May 1986	Workshop on Fractals Association of Computing Machinery SIGGRAPH—Boston Chapter
	January 1986	General Motors Research Laboratories Colloquium
	October 1985	Special Session in Functional Iteration Regional Meeting of American Mathematical Society Amherst, MA
	October 1985	New York Academy of Sciences Mathematics Colloquium

INVITED LECTURES (CONTINUED)	October 1985	DARPA Conference in Mathematics City University of New York Graduate Center
	June 1985	Oberwolfach, Germany Conference on Dynamical Systems
	April 1985	Special Session in Fractal Geometry Regional Meeting of American Mathematical Society Worcester, MA
	March 1985	Georgia Institute of Technology Conference on Chaotic Dynamics
	March 1985	Interamerican University of Puerto Rico Conference in Applied Mathematics
	March 1985	Fordham University Colloquium
	April 1984	Brown University Northeast Dynamical Systems Seminar
	April 1984	University of Maryland Dynamical Systems Seminar
	March 1984	Mathematical Sciences Research Institute Rational Maps Conference
	March 1984	University of Wisconsin Midwest Dynamical Systems Seminar
	February 1984	City University of New York Graduate Center Dynamical Systems Seminar
	November 1983	Harvard University Rational Maps Seminar
	April 1983	University of Michigan Colloquium
	April 1983	Michigan State University Colloquium
	April 1983	SIAM Colloquium Speaker Joint Meeting of the Iowa Chapters of the Mathematical Association of America and Society of Industrial and Applied Mathematicians
	March 1983	Princeton University Topology Seminar
	November 1982	Northwestern University Dynamical Systems Seminar
	November 1982	DePaul University Colloquium
	October 1982	Midwest Dynamical Systems Meeting University of Minnesota
	April 1982	Bates College Colloquium

INVITED LECTURES (CONTINUED)	February 1982	Northeastern University Dynamical Systems Seminar
	January 1982	Special Session in Dynamical Systems Annual Meeting of American Mathematical Society
	November 1981	Special Session in Dynamical Systems Regional Meeting of American Mathematical Society Austin, Texas
	May 1981	Midwest Dynamical Systems Meeting University of Cincinnati
	November 1980	Yale University Topology Seminar
	March 1980	Southern California Topology Colloquium University of California at Irvine
	February 1980	Boston University Colloquium
	January 1980	Special Session in Dynamical Systems Annual Meeting of the American Mathematical Society San Antonio, Texas
	June 1979	International Conference on Dynamical Systems Northwestern University
PH.D. STUDENTS	1996	Amy Hui-Lin Chiu Quartic Newton's method and matings of polynomials
	1989	Scott Sutherland Finding roots of complex polynomials with Newton's method

PROFESSIONAL SOCIETIES	American Mathematical Society Mathematical Association of America
OTHER PROFESSIONAL ACTIVITIES	Referee for Transactions of the American Mathematical Society Referee for CUNY Research Award Program Referee for National Science Foundation Referee for Department of Energy Referee for SIAM Journal of Applied Mathematics Referee for SIAM Journal on Mathematical Analysis Referee for Army Research Office Referee for Ergodic Theory and Dynamical Systems Referee for Journal on Information and Control Referee for College Mathematics Journal Referee for Monatshefte Für Mathematik Referee for Computers and Mathematics Referee for American Mathematical Monthly Referee for SIAM Journal on Applied Dynamical Systems

OTHER
PROFESSIONAL
ACTIVITIES
(CONTINUED)

Referee for Chaos

Referee for Conformal Geometry and Dynamics

Referee for Proceedings of the Bödilfest Conference

Referee for Proceedings of *Frontiers in Complex Dynamics*

Referee for Journal of Difference Equations and Applications

February 15, 2014