

September 2, 2008

Curriculum Vitae
David C. Manderscheid

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Education

1976-81 Ph.D. in Mathematics, Yale University
1973-76 B.S. in Mathematics, Michigan State University

Professional Experience

2007- Dean of the College of Arts and Sciences and Professor of Mathematics, University of Nebraska-Lincoln
2001-07 Professor and Chair, Department of Mathematics, University of Iowa
1997-01 Associate Chair and Director of the Graduate Program, Department of Mathematics, University of Iowa
1995 Member, Spring Semester, Mathematical Sciences Research Institute, Berkeley, CA
1988-89 Member, Institute for Advanced Study, Princeton, NJ
1988-01 Associate Professor, University of Iowa
1988 Member, Spring and Summer Semesters, Mathematical Sciences Research Institute, Berkeley, CA
1987-88 NSF Mathematical Sciences Postdoctoral Fellow and Assistant Professor, University of Iowa
1985-87 NSF Mathematical Sciences Postdoctoral Fellow and Visiting Assistant Professor, University of Iowa
1984-85 Instructor, University of Utah
1983-84 Visiting Assistant Professor, University of Iowa
1981-83 Instructor, University of Utah

Honors and Awards

2008 American Mathematical Society (AMS) Award for an Exemplary Program or Achievement in a Mathematics Department, University of Iowa Department of Mathematics, nomination submitted while I was Chair of the Department
2007 Sloan Foundation Special Recognition, for my work with underrepresented minority graduate students
2006 AMS Committee on the Profession, Programs That Make a Difference Award to the Department of Mathematics for its work with underrepresented minority graduate students

2005 Presidential Award for Excellence in Science Mathematics and Engineering Mentoring (PAESMEM), NSF and the White House, presented by President George W. Bush to the Department of Mathematics

2004 Marion L. Huit Award (outstanding teaching, research, and service to students), University of Iowa

2002 Outstanding Mentor Award, University of Iowa Graduate College

2002-03 CIC Academic Leadership Program Fellow

2001-07 Sloan Foundation designated minority Ph.D. student mentor (resigned when I left Iowa)

2001 Visiting Professor, Université Paris 7 (Denis Diderot)

1996 Commendation for Good Teaching, University of Iowa Panhellenic Council

1995 Membership, Spring and Summer Semesters, Mathematical Sciences Research Institute, Berkeley, CA

1991 Collegiate Teaching Award, University of Iowa

1989-90 Van Allen Fellowship, University of Iowa

1988-89 Academic Year Membership, Institute for Advanced Study, Princeton, NJ

1988 Membership, Spring & Summer Semesters, Mathematical Sciences Research Institute, Berkeley CA

1985-88 NSF Mathematical Sciences Postdoctoral Fellowship

1980-81 Yale College Teaching Prize

Memberships and Offices

2006- Member, Society for Industrial and Applied Mathematics

1998-01 Executive Committee, Iowa Section, Mathematical Association of America,

1999-00 Chair, Iowa Section, Mathematical Association of America

1986- Member, Mathematical Association of America

1979- Member, American Mathematical Society

Teaching

Classroom Teaching

Since 2001 I have had no classroom teaching duties. Below are scores from my teaching evaluations from 1997 to 2001. ACE (Assessing the Classroom Environment) is The University of Iowa form used for students to assess teaching. All scores are on a scale of 1 - 6 with 6 being highest.

Semester and Year	COURSES TAUGHT Number and Title	Number of Students Enrolled	Selected ACE Summary Scores				Instructor is effective teacher #108
			Interested in teaching course #316	Communicates well #402	Important points clarified with good examples #314	Presents materials clearly #404	
Fall 2000	22M:014/First Year Seminar	15	6.00	5.96	5.88	5.92	5.88
	22M:330/Topics in Algebra	21	5.97	5.97	5.93	5.97	5.97
Fall 1999	22M:010/Finite Mathematics	71	5.93	5.81	5.68	5.68	5.84
Spring 1999	22M:026/Calculus II honors sect.	23	5.97	5.93	5.97	5.89	5.89
Fall 1998	22M:014/First Year Seminar	15	6.00	5.96	5.88	5.75	5.75
Spring 1998	22M:330/Topics in Algebra	12	5.92	5.80	5.92	5.86	5.63
Fall 1997	22M:090/Intro to Discrete Mathematics	9	6.00	6.00	5.93	5.93	6.00

Classroom Teaching Prior to 1997: At the University of Iowa and at the University of Utah I taught a broad range of undergraduate and graduate classes from small seminars to large lecture classes (over 400 students).

Seminars

1994-2007 Representation Theory Seminar. I organized this faculty/graduate student weekly seminar that students took for credit as 22M:385. Typically 15 students, a couple of

postdocs and 5 faculty members attended. Students, postdocs and faculty presented. I supervised these presentations and also presented frequently.

Postdocs Supervised

2003-06 A. Raghuram, current position: Assistant Professor, Oklahoma State University
2004 A. K. Anandavardhanan, current position: Assistant Professor, Indian Institute of Technology, Mumbai

Ph.D. Supervisor

3. Jitka Stehnova, Ph.D. August 2008, "Theta Correspondences for Unitary Groups in Two Variables, postdoctoral placement: Oklahoma State University
2. Ryan Stuffelbeam, Ph.D. July 2004, "Theta Correspondences for $(U(1), U(2))$, the Quasi-split Case," postdoctoral placement: VIGRE Ross Assistant Professor, The Ohio State University, current position: Transylvania University, Lexington, KY.
1. Manouchehr Misaghian, Ph.D. May 2000, "Theta Correspondences for $(U(1), U(2))$," original placement: Johnson C. Smith University, current position: Assistant Professor, Prairie View A&M

Ph.D. Committees (not as supervisor, year listed is year of graduation)

2002-03 S. Clarke
2000-01 Y. Xiao
1999-00 J. Gimenez
1998-99 R. Aulwes
1997-98 L. Caceres
1995-96 H. Yu, R. Yan, R. Howe
1994-95 R. Johnson, Z. Zhou
1991-92 D. Kim

Other Graduate Advising and Mentoring

2005-07 Mentor for Samuel Schmidt, Ph.D. expected 2010
2004-07 Mentor for Abukuse Mbirika, Ph.D. expected 2010
2001-07 Mentor for Juan Ortiz, Ph. D. 2007, postdoctoral placement: University of Rochester
1997-01 Advisor for all Mathematics Graduate students on M.S. track and for all on Ph.D. track who have not declared a dissertation advisor, approximately 50 students each semester.

Undergraduate Research Assistants

2004-06 Patrick Holley, current employment: Apple Computer, Operating System Division

Undergraduate Advising

1998-99 1 advisee
1997-98 3 advisees
1996-97 4 advisees
1995-96 3 advisees
1994-95 5 advisees
1987-94 4 advisees per year

Education Grants

- 2008-10 NSA (National Security Agency) Grant, Co-PI, Travel Grants for Presentations by Undergraduate and Graduate Students at MathFest, \$16,619.
- 2007-10 GAANN (Graduate Assistance in Areas of National Need) Grant, PI, U.S. Dept. of Education, \$767,286 (Note: When I left the University of Iowa I turned over PI status to Prof. Yi Li)
- 2005-07 PAESMEM (Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring), PI, NSF, \$10,000
- 2003-07 GAANN (Graduate Assistance in Areas of National Need) Grant, PI, U.S. Dept. of Education, \$693,432
- 2001-05 GAANN Grant, PI, U.S. Dept. of Education, \$543,420
- 2000-04 GAANN Grant, PI, U.S. Dept of Education, \$499,644
- 1998-02 GAANN Grant, co-PI, U.S. Dept. of Education, \$456,582
- 1998-99 nTITLE Grant, University of Iowa
- 1997-99 GAANN Grant, co-PI, U.S. Dept. of Education, \$507,318

Education Consulting

- 2004-07 Educational Testing Service, GRE Mathematics Subject Exam, Committee of Examiners
- 2003 MAA Committee on the Undergraduate Program in Mathematics
- 2001 MAA Committee on the Undergraduate Program in Mathematics
- 2001 Standards for Success
- 2001 American College Testing
- 1998 Wiley Publishing, Revision of Mizrahi and Sullivan, Finite Mathematics: An Applied Approach

Research

Publications

15. D. Manderscheid, *Increasing the number of minority PhDs in the Mathematical Sciences*, to appear (accepted April 2008) in *Building Diversity in Advanced Mathematics: Models that Work*, Abbe Herzig and Patricia Hale, Editors. AMS, 14pp.
14. D. Manderscheid, *Changing the culture of a mathematics department: The Iowa experience*, Invited paper, *Mathematicians and Education Reform (MER) Newsletter*, 16(#4)(2006), 1-4
13. D. Manderscheid, *Waldspurger's involution and types*, *Journal of the London Mathematical Society*, 70(2004), 567-586.
12. D. Manderscheid, *Base change for p -adic $SL(2)$ as a theta correspondence II: Jacquet modules*, *Pacific Journal of Math*, 199(2001), 447-466.
11. D. Manderscheid, *Increasing the number of minority Ph.D.'s in mathematics*, invited paper, *Mathematicians and Education Reform Newsletter*, 12(#3)(2000), 10-13.
10. D. Manderscheid, *Base change for p -adic $SL(2)$ as a theta correspondence III: Pairing*, *Journal of Number Theory*, 85(2000), 1-17.
9. D. Manderscheid, *Base change for p -adic $SL(2)$ as a theta correspondence I: Occurrence*, *Proc. Am. Math. Soc.*, 127(1999), 1281-1288.
8. D. Manderscheid, *Supercuspidal representations and theta correspondences II, $SL(2)$ and the anisotropic $O(3)$* , *Trans. Amer. Math. Soc.*, 336(1993), 805-816.
7. D. Manderscheid, *Supercuspidal representations and the theta correspondence*, *J. of Algebra*, 151(1992), 375-407.
6. P. Kutzko and D. Manderscheid, *On the supercuspidal representations of GL_N , N the product of two primes*, *Ann. Sci. Ec. Norm. Sup.*, 4^e série, t.23(1990), 39-88, erratum, 25(1991), 139-140.
5. P. Kutzko and D. Manderscheid, *On intertwining operators of $GL_N(F)$, F a nonarchimedean local field*, *Duke Journal of Mathematics*, 57(1988), 275-294.
4. P. Kutzko and D. Manderscheid, *On the supercuspidal representations of GL_4* , *Duke Journal of Mathematics*, 52(1985), 841-867.
3. D. Manderscheid, *Supercuspidal duality for the two-fold cover of SL_2 and the split O_3* , *American Journal of Mathematics*, 107(1985), 1305-1323.
2. D. Manderscheid, *On the supercuspidal representations of SL_2 and its two-fold cover II*, *Mathematische Annalen*, 266(1984), 297-305.

1. D. Manderscheid, *On the supercuspidal representations of SL_2 and its two-fold cover I*, *Mathematische Annalen*, 266(1984), 285-296.

In Preparation

1. D. Manderscheid, *Base change and theta correspondences for supercuspidal representations of $SL(2)$* , approximately 25 pages.
2. D. Manderscheid, Invited review of *The Formation of Scholars*, Notices of the American Mathematical Society

Research Funding

External

- | | |
|---------|--|
| 2008-13 | NSF Grant, co-PI, ADVANCE Institutional Transformation Award: An institution-wide collaboration to hire, retain, and promote women STEM faculty at the University of Nebraska-Lincoln, \$3,801,448 |
| 2006-11 | NSF Grant, PI, EMSW21-VIGRE: The Iowa Mathematics Initiative, \$3,000,000 (Note: When I left the University of Iowa I turned over PI status on this grant to Prof. Yi Li.) |
| 2006-07 | NSF Grant, PI, Conference on the Representation Theory of p-adic groups, \$20,000 |
| 2002 | NSF-AMS Travel Grant, International Congress of Mathematicians, Beijing |
| 2001 | Visiting Professorship, Université Paris 7 (Denis Diderot), funded by CNRS (French NSF) |
| 1997-00 | NSA Grant, PI, Theta correspondences over p-adic fields, \$32,286 |
| 1990-96 | NSF Grant, co-PI, Representation theory of p-adic groups, \$609,500 |
| 1995 | Membership, Mathematical Sciences Research Institute, Spring Semester, supported by the Institute and NSF |
| 1988-89 | Membership, Institute for Advanced Study, fully supported by the Institute & NSF |
| 1988 | Membership, Mathematical Sciences Research Institute, Spring and Summer Semesters, supported by the Institute and NSF |
| 1985-88 | NSF Mathematical Sciences Postdoctoral Fellowship, \$78,000 |
| 1984-86 | NSF Grant, PI, Supercuspidal Representations of reductive p-adic groups, \$36,964 |

Internal

- | | |
|---------|--|
| 1992 | University of Iowa, Career Development Award |
| 1989-90 | University of Iowa, Van Allen Fellowship |
| 1982-84 | University of Utah, Basic Research Grant, PI |

Invited Talks Delivered: Titles are given for talks since 1997.

2009

- AMS/MAA National Meeting, Panelist, AWM (Association for Women in Mathematics) Panel Discussion, *What is the right job for me?*, Washington, DC, to be delivered
- AMS/MAA National Meeting, Panelist, MAA Panel Discussion, *Interviewing for a job in the mathematical sciences*, Washington, DC, to be delivered

2008

- AMS/MAA National Meeting, AMS Special Session on Representation Theory and Character Theory, *Quadratic base change for $SL(2)$ as a theta correspondence: Supercuspidal representations*, San Diego
- AMS/MAA National Meeting, Workshop Leader, *AMS Workshop for Department Chairs and Department Leaders*, San Diego
- AMS/MAA National Meeting, Panelist, MAA Panel Discussion, *Interviewing for a job in the mathematical sciences*, San Diego
- Northwest University, Xi'an, China, *Langlands functoriality and Howe correspondences: An example*
- Xi'an Jiatong University, *Langlands functoriality and Howe correspondences: Three examples*
- MAA MathFest, Panelist, *Applying for a job in mathematics*, Madison
- MAA MathFest, Panelist, *Finding a good fit in a graduate program*, Madison
- Promoting Diversity at the Graduate Level in Mathematics: A National Forum, MSRI, Panel Moderator, *What can be done?*, Berkeley, to be delivered
- SINO-US Summit on Science Education and Research, Panelist, *Re-inventing Undergraduate Programs*, Beijing, to be delivered

2007

- AMS/MAA National Meeting, Workshop Leader, *AMS Workshop for Department Chairs and Department Leaders*, New Orleans
- AMS/MAA National Meeting, Panelist, MAA Panel Discussion, *Interviewing for your first job*, New Orleans
- Deans Summit, Rice University, *Increasing the number of minority PhDs*
- Rice University, University of Houston and Rice AGEP Annual Meeting, *Mentoring: A community activity*
- University of Iowa College of Education, Yaeger Diversity Conference, Panelist, University Programs Panel, *Increasing the number of minority PhDs*
- University of Nebraska - Lincoln, Faculty Retreat, *Increasing the number of minority PhDs*
- MAA MathFest, Panelist, *Applying for jobs in mathematics*, San Jose
- NSF Joint Annual Meeting, Panelist, *Best Practices in Mentoring*, Washington, DC

2006

- AMS/MAA National Meeting, Workshop Leader, *AMS Workshop for Department Chairs and Department Leaders*, San Antonio
- AMS/MAA National Meeting, Panelist, MAA Panel Discussion, *Interviewing for your first job*, San Antonio
- AMS/MAA National Meeting, MER Special Session on Mentoring, *The Mathematics Program at the University of Iowa: A community of mentors*, San Antonio
- AMS/MAA National Meeting, MAA Session "Models That Work: Building Diversity in Advanced Mathematics", *Increasing the Number of Minority PhD's in Mathematics*, San Antonio
- AMS/MAA National Meeting, AMS Committee on the Profession session on programs that work, *The Mathematics Graduate Program at the University of Iowa*, San Antonio
- CIC Council of Graduate Deans Meeting, Panelist, *Best Practices in Graduate Student Recruitment*, Madison

- SIAM (Society for Industrial and Applied Mathematics) National Meeting, *Increasing the number of minority Ph.D.'s*, Boston
- Summer School on the Representation Theory of p-adic Groups, Principal Lecturer, ten lectures, *The representation theory of $GL(2, F)$, F a p-adic field*, Shandong University, Weihai, China
- Institute of Mathematics, Chinese Academy of Sciences, Beijing, China, Colloquium, *Langlands functoriality and theta correspondences*
- Blackwell-Tapia Conference, Panelist, *Recruitment and Retention*, Institute for Mathematics and its Applications, Minneapolis
- Colloquium, Department of Mathematics, University of Maryland Baltimore County, *Increasing the number of minority PhDs in the Mathematical Sciences*
- Leadership Workshop: Finding and Keeping Diverse Graduate Students in the Mathematical Sciences, Panelist for two panels, *Recruitment, Retention*, American Institute for Mathematics, Palo Alto

2005

- AMS/MAA National Meeting, Panelist, *Interviewing for your first job*, Atlanta
- Harvard University, National Bureau of Economic Research, Conference, Diversifying the Science & Engineering Work Force: Women, Underrepresented Minorities, and their S&E Careers, *Minorities in the Iowa Mathematics Ph.D. program*
- Clemson University, Third National Conference on Best Practices in Black Student Achievement, *The Iowa Mathematics Ph.D. program*
- PAESMEM Symposium, *The Iowa Mathematics Ph.D. Program*, Washington D.C.
- XVI Coloquio Latinoamericano de Álgebra, *Quadratic base change for p-adic $SL(2)$ as a theta correspondence*, Colonia del Sacramento, Uruguay
- Engaging Young Mathematicians: An NSF workshop on majors and the transition to graduate work, *Attracting more groups to Mathematics*, Washington, DC
- Colloquium, University of Arizona, *Underrepresented Minorities in Mathematics: The Iowa Experience*
- Number Theory Seminar, University of Arizona, *Quadratic base change for p-adic $SL(2)$ as a theta correspondence*
- Colloquium, University of Oklahoma, *Langlands functoriality and Howe's theory of theta correspondences: An introduction and some examples*

2004

- University of Iowa, conference, *The Future of Graduate Education*, Panelist, *Mentoring*
- MAA Math Fest, co-Leader, *Workshop on Training TA's*, Providence

2003

- EMERGE Workshop, Panelist, *The Transition to Graduate School*, Atlanta
- Iowa State University, Workshop Leader, *Applying for GAANN grants*
- Number Theory Seminar, University of Wisconsin at Madison, *Waldspurger's involution and types*
- STEM Pathways Workshop, Panelist, *Plenary Session: Panel of Program Directors*, NSF, Arlington, VA

2002

- AMS Special Session, Lie Groups and Representation Theory, Regional Meeting, Madison, WI, *Supercuspidal representations of the two-fold cover of $SL(2)$ in the case $p=2$*

- Plenary lecture, International Congress of Mathematicians Satellite Conference, Number Theory and Arithmetic Geometry, Weihai, China, *Supercuspidal representations of the two-fold cover of $SL(2)$ in the case $p=2$.*
 - Functorialité de Langlands: progrès récents, CIRM Luminy, France, *Packets and types for the two-fold cover of $SL(2)$*
- 2001
- AMS-MER Workshop on Professional Masters Programs, Panelist, *Department Case Studies in Designing, Implementing and Sustaining a Masters in Teaching Program*, Cincinnati.
 - Journées Solstice d'Ete, Université Paris 7, *Packets and types for covering groups: The example of $SL(2)$.*
 - AMS-MAA Panel Discussion, *Increasing the number of minority Ph.D.'s in mathematics through GAANN*, National Meeting, New Orleans.
- 2000
- AMS-HKMS Special Session, Representation Theory, International Meeting, Hong Kong, *Waldspurger's Involution and Types*
 - AMS Special Session, Mathematics Education Reform, National Meeting, Washington, DC, *Increasing the number of minority Ph.D.'s in mathematics.*
 - AMS Special Session, Innovative Teaching Assistant Development, National Meeting, Washington, DC, *TA development at Iowa.*
 - XVth Interuniversity Mathematical Research Seminar of Puerto Rico, University of Puerto Rico, *Theta correspondences and the Langlands Program: An example.*
- 1999
- Workshop on representations of reductive p -adic groups, Centre de Recherches Mathématiques, Montreal, *Quadratic base change for p -adic $SL(2)$ as a theta correspondence.*
- 1997
- AMS Special Session, Lie Groups and Automorphic Forms, Regional Meeting, College Park, MD, *On the role of one-dimensional representations in the theta correspondence.*
- 1996
- AMS Special Session, Representation Theory and Harmonic Analysis, National Meeting, Orlando
 - University of Oklahoma, Karcher Visitor, two lectures
- 1995
- Mathematical Sciences Research Institute
 - University of Washington
- 1994
- Theta-correspondences, Dual Pairs and Automorphic Forms, conference, University of Maryland
 - Humbolt University, Berlin
- 1993
- Purdue University
- 1992
- University of Maryland
- 1991
- University of Washington

- University of Missouri, St. Louis
- 1990
- US-France Conference on the Representation Theory of p -adic Groups, CRNS, Luminy, France
- 1989
- Institute for Advanced Study
 - University of Washington
 - Yale University
 - Algebraic Number Theory Conference, Akademie der Wissenschaften, Binz, East Germany
- 1988
- Mathematical Sciences Research Institute
 - University of Maryland
 - Number Theory Conference, Union College
 - University of South Carolina
 - Rutgers University, Newark
- 1987
- AMS Special Session, Newark
 - North Carolina State University
 - Emory University
- 1986
- AMS Special Session, New Orleans
 - US-France Representation Theory Conference, University of Iowa
- 1985
- Cambridge University
 - p -adic Groups in the Tall Corn, University of Iowa
 - Oklahoma State University
- 1984
- University of California at Berkeley
 - Yale University
- 1983
- p -adic Summer, University of Chicago
- 1981
- Midwest Representation Theory and Automorphic Forms Conference, University of Chicago

SERVICE

Department

2001-07 Chair
1998-07 Minority Student Recruitment and Development Committee
1997-01 Associate Chair and Director of the Graduate Program
1995-97 Graduate Committee
1993-95 Evaluation of Teaching Effectiveness Committee, Chair
1991-93 Ph.D. Comprehensive Exam Committee
1991-92 Self-Study Committee
1989-93 Hiring Committee

College

2007- Dean of the College of Arts and Sciences
2006-07 Executive Committee (I resigned this position when I left Iowa)
2005-06 Review Committee for Literature, Science and the Arts, Chair
2004 Search Committee, Associate Dean for Academic Programs, Chair
2003-06 Dean's Advisory Board
2002-05 Executive Committee
2001-07 Chair, Mathematics Department
1999, 00 Workshop on TA training
1998 Ad hoc Officer Nomination Committee, Faculty Assembly
1998 Panelist, New Faculty Orientation
1997-00 Faculty Assembly
1993-96 Admissions Committee
1994 Internal Review Committee for the Chemistry Department

University

2008- NuGrant Advisory Board
2007- International Programs Advisory Council
2007- Endowed Chairs and Professorships Committee
2007- Jeffrey S. Raikes School of Management and Computer Science (formerly JD Edwards Program) Advisory Board
2007- Modeling Enrollment Management Committee
2007- Math in the Middle Advisory Board
2006-07 Campus Wireless Advisory Committee
2006-07 University Charter Diversity Committee, co-Chair (I resigned this position when I left Iowa)
2006 Catalyst Award Selection Committee
2005-07 Provost's Task Force on the Mentoring of Junior Faculty
2005-07 Provost and VP for Research Blue Ribbon Task Force on Academic and Research Programs in the Life Sciences and Physical and Mathematical Sciences
2005-06 Finkbine Dinner Committee (select Hancher-Finkbine Medallion winners)
2004 Graduate College Fall Commencement Speaker
2004-05 President's Athletics Merger Review Committee
2004 Graduate College Summer Commencement Faculty Marshall
2004 CIC-ALP, University of Iowa Fellow Selection Reviewer

2003-04 College of Education Search Committee for senior hire in Science Education
 2003 Graduate College Outstanding Mentor Award Selection Committee
 2002 Search Committee for Center for Teaching Director, Chair
 2001-05 Faculty Senate Committee on Elections
 2001-04 Graduate Council
 2000-01 Graduate College Ad Hoc Committee on ESL and TAPE programs
 1999-02 Faculty Council
 1999-02 University of Iowa Conflict of Interest in Research Committee
 1998-00 President's Award for Technology Innovation Committee, Chair 1998
 1998-00 VP for Research Advisory Committee in Physical and Mathematical Sciences, Convenor 1999-2000
 1998-99 Center for Teaching Review Committee, Chair
 1997-00 Council on Teaching, Chair 1999-2000
 1997-02 Faculty Senate
 1990-93 Center for Advanced Studies at the University of Iowa, Advisory Committee
 1989-90 VP for Research, Ad hoc Committee on Space Allocation at the Oakdale Campus

Profession

Conferences Organized

2007 Midwest Geometry Conference (in memory of Tom Branson), co-organizer, University of Iowa
 2007 Underrepresented Minorities in Mathematics, co-organizer, University of Iowa
 2006 Leadership Workshop: Finding and Keeping Diverse Graduate Students in the Mathematical Sciences, American Institute for Mathematics, co-organizer, Palo Alto
 2006 Fourth bi-annual Blackwell-Tapia Conference, IMA, co-organizer, Minneapolis
 2006 Representation Theory of p -adic groups, co-organizer, University of Iowa
 2004 AMS-NSF Sponsored Conference on Mentoring in Mathematics, co-organizer, Tucson
 1999 Iowa Section MAA, Annual Meeting, Iowa City
 1991-95 p -adic Field of Dreams, annually, co-organizer, University of Iowa

Sessions Organized

2008 AMS National Meeting Panel, Interviewing for a job, San Diego
 MAA MathFest Panel, How to Apply for Jobs, Madison
 2007 AMS National Meeting Panel, Interviewing for a job, New Orleans
 MAA Math Fest Panel, How to Apply for Jobs, San Jose
 2006 AMS National Meeting Panel, Workshop on Training TA's, San Antonio
 AMS National Meeting Panel, Interviewing for a job, San Antonio
 MAA Math Fest Panel, Workshop on Training TA's, Knoxville
 MAA Math Fest Panel, How to Apply for Jobs, Knoxville
 2005 MAA Math Fest Panel, Workshop on Training TA's, Albuquerque
 MAA Math Fest Panel, How to Apply for Jobs, Albuquerque
 1996 AMS Special Session, Theta Correspondences and Automorphic Forms, Central Section Spring Meeting, Iowa City

National Committees

- 2008- GEMSTONES Advisory Board (NSF funded program to increase diversity in Mathematical Sciences graduate programs)
- 2008- MAA Committee on the Undergraduate Program
- 2007- SIAM Diversity Advisory Committee
- 2007- AMS Research Communities Advisory Board
- 2006-07 MSRI Committee on Trustees (resigned when I left Iowa)
- 2006- Cornell University, Summer Mathematics Institute, Advisory Board
- 2006 Selection Committee for "Programs that Make a Difference" recognition, AMS Committee on the Profession
- 2006-07 MAA Strategic Planning Committee, Working group on students
- 2003-08 MAA Committee on the Undergraduate Program (CUPM) Subcommittee on Curriculum Renewal Across the First Two Years (CRAFTY)
- 2002-11 MAA Committee on Graduate Students, Chair 2005-2011
- 2001-04 AMS Representative to the AMS-MAA Committee on Research in Undergraduate Mathematics Education

Iowa Section of the MAA

- 2003-05 Nominating Committee
- 1998-01 Chair elect, Chair and Past Chair, 3 consecutive year long terms
- 1997-07 MAA Liaison

Program Review

- 2007 External Reviewer for the Department of Mathematics, University of Nebraska
- 2007 External Reviewer for Initial Accreditation of the BSc in Mathematics, American University of Sharjah, United Arab Emirates
- 2007 External Reviewer for Initial Accreditation of the BSc in Mathematics, University of Sharjah, United Arab Emirates
- 2004 External Reviewer for the Department of Mathematics, Louisiana State University

Promotion Review

- 1991- External Reviewer for Promotion for various universities (5 times last three years)

Grant Review

- 2003- National Security Agency
- 2002 IMA Participating Institutions Conferences Selection Committee
- 1999-07 US Dept of Education, GAANN program peer site reviewer
- 1998 FONDECYT (Chile NSF)
- 1983- National Science Foundation, 3 panels in last two years

Refereeing and Reviewing

- 1985- Referee for numerous journals
- 1985- Mathematical Reviews

Invited Talks

- 2007 AMSSI, NSF/NSA-REU, Loyola Marymount University, *The distribution of primes*
- 2006 Wabash College NSF-REU, *The distribution of primes*
- 2005 Wabash College NSF-REU, *How common are primes?*
University of Arizona, SUMS (undergraduate math club), *Being a mathematician*

- 2004 University of Puerto Rico, Mayaguez, Student Colloquium, *Think globally, act locally: An introduction to p-adic numbers*
- 2001 SIMU (Summer Mathematics Institute for Undergraduates), NSA-NSF REU, University of Puerto Rico, Humacao, *Think globally, act locally: An introduction to p-adic numbers*
- 1998 U of Wisconsin, Eau Claire, La Crosse and Stevens Point, Math Club Lecturer, *An introduction to p-adic numbers*

Community

- 2008 Leadership Lincoln Executive Series
- 2000- Interviewed and a talk show guest on various radio programs; quoted in numerous newspapers and publications, locally and nationally
- 1996 University of Iowa Homecoming Parade Judge