

September 1, 2007

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 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**

2006 American Mathematical Society (AMS) Committee on the Profession Recognition of 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, expected completion, 2008.
2. Ryan Stufflebeam, 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, now at Transylvania University, Lexington, KY.
1. Manouchehr Misaghian, Ph.D. May 2000, "Theta Correspondences for  $(U(1), U(2))$ ," current position: Assistant Professor, Johnson C. Smith University, Charlotte, NC.

### 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 2009
- 2004-07 Mentor for Abukuse Mbirika, Ph.D. expected 2009
- 2001-07 Mentor for Juan Ortiz, Ph. D. 2007
- 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, currently a graduate student in Computer Science at UC-Davis

### **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**

- 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

14. D. Manderscheid, *Changing the culture of a mathematics department: The Iowa experience*, Mathematicians and Education Reform 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 (MER) 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<sup>e</sup> 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.

## Preprints

1. D. Manderscheid, *Increasing the number of minority Ph.D.'s in the mathematical sciences*, 2006, submitted, 13pp.

## Papers in Preparation

1. D. Manderscheid, *Base change and theta correspondences for supercuspidal representations of  $SL(2)$* , estimated 20pp.

## Research Funding

### External

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.

2008

- AMS/MAA National Meeting, AMS Special Session on Representation Theory and Character Theory, title to be determined, to take place, January, San Diego
- AMS/MAA National Meeting, Workshop Leader, AMS Workshop for Department Chairs and Department Leaders, to take place, January, San Diego
- AMS/MAA National Meeting, Panelist, MAA Panel Discussion Interviewing for a job in the mathematical sciences, to take place, January, San Diego
- Purdue University, Representation Theory and Automorphic Forms Seminar, *Langlands functoriality and theta correspondences*, 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-JAM, 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, 9 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.
  - 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 Reserches Mathematiques, 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 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 Program, 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

- 2007- Endowed Chairs and Professorships Committee
- 2007- 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

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**

- 2007- AMS, AMS 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)
- 2002-08 MAA Committee on Graduate Students, Chair 2005-2008
- 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- 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- 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**

- 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