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Education

Emory University <i>Ph.D., Mathematics</i>	Atlanta, GA 2004–2009
Massachusetts Institute of Technology <i>B.S., Mathematics</i>	Cambridge, MA 1978–1982

Employment

Emory University <i>Postdoctoral Fellow</i>	Atlanta, GA Sep. 2009–May 2010
Universal Technical Systems <i>Senior Software Architect</i> – Technical lead for TK Solver line of equation-solving software and ancillary products.	Rockford, IL Oct. 1985–Nov. 1994
Software Arts, Inc. <i>Software Engineer</i> – Joined, later led, TK Solver development team.	Wellesley, MA Sep. 1982–Apr. 1985

Research Interests

Algebraic groups, Lie algebras and their representations, and associated structures such as Freudenthal triple systems and Jordan algebras.

Computational number theory, particularly questions involving multiplicative functions.

Talks

- 2009 AMS Southeast Section Meeting, Raleigh, NC, 4 April
AMS Special Session on Representation Theory, Washington, DC, 5 January
- 2008 8th Brauer Group Meeting, Pingree Park, CO, 1 July
Workshop on Exceptional Groups, Emory University, 12 June
- 2006 ACES Workshop, Emory University, 3 December
- 2005 Algebra seminar, Emory University, 28 November, 5 December and 12 December
Algebra seminar, Emory University, 23 February and 1 March
- 2004 Algebra seminar, Emory University, 2 November 2004

Awards

- George W. Woodruff Fellowship, 2004–2009, \$5000 per year
42nd William Lowell Putnam Mathematical Competition, 1981, Honorable Mention
41st William Lowell Putnam Mathematical Competition, 1980, Top 10 Score, \$250 prize

Teaching

- 2009 Fall: Instructor, Math 211 (Multivariable Calculus)
2008 Fall: Designated tutor for Math 211 (Multivariable Calculus) help sessions
Spring: Instructor, Math 107 (Introduction to Probability & Statistics)
2007 Fall: Instructor, Math 107 (Introduction to Probability & Statistics)
Spring: Instructor, Math 107 (Introduction to Probability & Statistics)
2006 Fall: Instructor, Math 107 (Introduction to Probability & Statistics)
Spring: Instructor, Math 107 (Introduction to Probability & Statistics)
2005 Fall: Instructor, Math 107 (Introduction to Probability & Statistics)
Spring: Tutor for Math 111/112 (Calculus I/II) help sessions
2004 Fall: Tutor for Math 111/112 (Calculus I/II) help sessions

Memberships

- American Mathematical Society, 2004–present
Mathematical Association of America, 2007–present
Society for Industrial and Applied Mathematics, 2004–present

Conferences Attended

- 2009 AMS Southeast Section Meeting, Raleigh, NC, 4–5 April
Joint Mathematics Meetings, Washington, DC, 5–8 January
2008 8th Brauer Group Meeting, Pingree Park, CO, 29 June–4 July
A Day of Arithmetic, Emory University, 19 April
2007 Séminaire N. Bourbaki, Paris, France, 18 November
Linear Algebraic Groups and Cohomology, Emory University, 16–20 May
2006 ACES Workshop, Emory University, 2–3 December
Joint Mathematics Meetings, San Antonio, TX, 12–15 January