Curriculum Vitae
Ameya Pitale

Institutional address

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Employment

2009−   NSF-AIM Post-Doctoral researcher, American Institute of Mathematics

$2006 - 2009$ Post-Doctoral faculty, University of Oklahoma

Education

$2000 - 2006$ Ph.D., The Ohio State University, Supervisor: Professor Steve Rallis

$1995 - 2000$ Masters degree in Mathematics at the Indian Institute of Technology, Kanpur, India

Research Interests

Number theory, automorphic forms and representations, converse theorems, special values of L-functions, Siegel modular forms

Publications

1. *Lifting from $\widetilde{SL}_2$ to* $\mathrm{GSpin}(1,4)$, Int. Math. Res. Not., **63**, 3919 - 3966 (2005)

2. *Sign changes of Hecke eigenvalues of Siegel cusp forms of degree* 2, Proc. Amer. Math. Soc. **136**, 3831-3838 (2008) (with Ralf Schmidt)

3. *Ramanujan type results for Siegel cusp forms of degree* 2, J. Ramanujan Math. Soc., Volume 22 No. 1, 87-111 (2009) (with Ralf Schmidt)

4. *Jacobi Maass forms*, Abh. Math. Sem. Univ. Hamburg, **79**, 87-111 (2009)

5. *Integral representation for L-functions for* $\mathrm{GSp}_4 \times \mathrm{GL}_2$, J. Number Theory, **129**, 1272-1324 (2009) (with Ralf Schmidt)

6. *Bessel models for lowest weight representations of* $\mathrm{GSp}(4,\mathbb{R})$, Int. Math. Res. Not., Volume 2009, No. 7, 1159-1212 (2009) (with Ralf Schmidt)

7. *Classical interpretation of the Ramanujan conjecture for Siegel cusp forms of genus n*, Manuscr. Math., **130**, Issue 2, 225-231 (2009)

8. *Integral representation for L-functions for* $\mathrm{GSp}_4 \times \mathrm{GL}_2$ II, submitted, 39 pages (2009), available at arXiv:0908.1611 (with Ralf Schmidt)

9. *Steinberg representation of* GSp_4: *Bessel models and integral representation of L-functions*, to appear in the Pacific Journal of Mathematics, 30 pages (2009), available at arXiv:0909.4273

10. *Pullback of Eisenstein series from* $\mathrm{GU}(3,3)$, in preparation (with Abhishek Saha and Ralf Schmidt)

Teaching experience

$2006 - 2009$ Lecturer at University of Oklahoma

$2000 - 2006$ Graduate teaching assistant at The Ohio State University

Courses taught

Calculus 1	Autumn 2001, Spring 2001, Autumn 2002, Winter 2004
Calculus 2	Winter 2002
Calculus 3	Autumn 2003, Fall 2006, Spring 2009
Calculus 4	Autumn 2004
Mathematical Analysis for Business 3	Spring 2002
Basic College Mathematics	Spring 2005
Ordinary Differential Equations	Spring 2007, Fall 2008
Linear Algebra	Fall 2007, Spring 2008, Fall 2008

Synergistic Activities

- Co-organizer of special session titled "Automorphic forms, *L*-functions and applicaitons" at the AMS 2010 Spring Eastern Sectional Meeting at New Jersey Institute of Technology, Newark, NJ, May $22 - 23, 2010$.

- Participated in the Math Teacher's Circle for middle-school teachers at AIM on Sept. $17, 2009$.

- Ran a session of the San Jose Math Circle (for middle school students), Nov. $4, 2009$.

- Referee for papers for Mathematische Annalen, Commentarii Mathematici Helvetici and grant proposals for NSA.

- Participated in a panel discussion "Everything you wanted to know about the postdoctorate position" in the graduate student seminar at University of Oklahoma, Feb. $2, 2009$.

Awards

- VIGRE Special Graduate Assignment Fellowship : Autumn 2003, Winter 2005

- Indian National Board of Higher Mathematics scholarship : $1998 - 2000$

Talks and seminars

2009 :

Oct.	Special session on Modular Forms and Automorphic Forms, AMS Fall Southeastern Sectional Meeting, Boca Raton, FL
Oct.	Haar Seminar, The Ohio State University
Sep.	Joint OU-OSU Automorphic forms seminar, Norman, Oklahoma
June	Graduate workshop on zeta functions, L-functions and their applications, Utah Valley University, Orem, Utah
Feb.	Colloquim, Iowa State University
Jan.	Colloquim, Oklahoma State University
Jan.	Colloquim, McGill University
Jan.	Quebec-Vermont Number Theory Seminar, McGill University

2008 :

Oct.	Special session on representations of real and p-adic Lie groups, AMS Fall Central Sectional Meeting, Kalamazoo, MI
Sep.	Representation Theory seminar, University of Oklahoma, Norman
July	Indian Institute of Science, Bangalore, India
June	Number Theory seminar, The Ohio State University
May	Number Theory seminar, University of Wisconsin

2007 :

Nov.	Representation Theory seminar, University of Oklahoma, Norman
Oct.	Graduate Student seminar, University of Oklahoma, Norman
Oct.	Special Session of Automorphic forms, AMS Fall Central Sectional Meeting, Chicago
Jan.	Joint OU-OSU Automorphic forms seminar, Stillwater, Oklahoma

2006 :

Sep.	Representation Theory seminar, University of Oklahoma, Norman
April	Number Theory seminar, University of California at San-Diego
April	Number Theory seminar, The Ohio State University

Feb.	Number Theory seminar, University of Wisconsin
Jan.	Number Theory seminar, University of California at Los Angeles

2005 :

Dec.	Conference on "Application of Representation Theory to Analytic Number Theory", Technion University, Haifa, Israel
Nov.	Number Theory seminar, University of Minnesota
Sep.	Tata Institute of Fundamental Research, Mumbai, India
Aug.	Indian Institute of Technology, Kanpur, India
March	Special Session on $L-$functions, AMS Spring Southeastern Sectional Meeting, Western Kentucky University, Bowling Green, KY

2004 :

Nov.	Number Theory seminar, The Ohio State University

Conferences and workshops

2009 :

Oct.	AMS Fall Southeastern Sectional Meeting, Boca Raton, FL
June	Graduate workshop on zeta functions, L-functions and their applications, Utah Valley University, Orem, Utah

2008 :

Oct.	AMS Fall Central Sectional Meeting, Kalamazoo, MI
July	AIM workshop on "Generalizing theta correspondences", Palo Alto
May	"Analytic Number Theory and Higher Rank Groups", Courant Institute of Mathematical Sciences, New York

2007 :

Oct.	AMS Fall Central Sectional Meeting, Chicago, IL
July	"On Certain L-functions", in honour of Freydoon Shahidi on the occasion of his 60th birthday, Purdue University

2006 :

June	Instructional workshop on Automorphic Galois representations, L-functions and Arithmetic, Columbia University

2005 :

Dec.	"Application of Representation Theory to Analytic Number Theory", Technion University, Haifa, Israel

March	AMS Spring Southeastern Sectional Meeting, Western Kentucky University, Bowling Green, KY

2004 :

Oct.	"Automorphic Forms and the Trace Formula", in honor of James Arthur on the occasion of his 60th birthday

2003 :

March	"Automorphic Representations, L-functions and Applications", in honor of Steve Rallis on the occasion of his 60th birthday

2002 :

June	IAS/PCMI Summer Session 2002 on Automorphic Forms and Applications, Park City