Brief Curriculum Vitae

DENNIS A. HEJHAL

Birthdate: 10 Dec 1948
Birthplace: Chicago, Illinois

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Academic Positions:

Univ. of Minnesota	1978-present	Professor of Mathematics
Uppsala University	1994-2012	1593 Prof. of Math. (now Emeritus)
Mn. Supercomputer Inst.	1986-present	Fellow
Columbia University	1974-1978	Assoc. Prof. of Mathematics
Harvard University	1972-1974	Benjamin Peirce Asst. Prof. of Math.

Education:

Stanford University	1970-1972	Ph.D. Mathematics
University of Chicago	1966-1970	S.B. Mathematics

Visiting Positions (selected):

Professor, Princeton University	Jan-May 1993
Member, Inst. for Advanced Study	Fall 83, Fall 84, Fall 85, 1990, Spr 1993, Spr 2000, Spr 2012

Areas of Interest:

Number Theory, Automorphic Forms, Complex Analysis, Quantum Chaos, and Supercomputing

Professional Honors and Awards:

1968	Fellow, William Lowell Putnam (National) Mathematical Competition
1974-76	Sloan Foundation Fellowship
1986	Invited Address, International Congress of Mathematicians
1987	Jubileums Professor, Chalmers University of Technology (Sweden)
1997	Goran Gustafsson Prize in Mathematics (from Royal Swedish Academy of Sciences; USD 335000 research funding, USD 14000 cash prize)
1997	Elected Member, Swedish Royal Society of Sciences (Uppsala)
2005	Eva and Lars Garding Prize (from Royal Physiographic Society in Lund, Sweden; SEK 150000 cash prize, approx. USD 20000)
2013	Fellow, American Mathematical Society (Inaugural Class)

Teaching Honors and Awards:

1993	Outstanding Instructor Award (Mathematics), Inst. of Technology Student Board, Univ. of Minnesota
1994	Institute of Technology Quality Mentoring Award with special recognition, Univ. of Minnesota

Professional Organizations:

American Mathematical Society, Mathematical Association of America; Phi Beta Kappa

Books:

1. The Selberg Trace Formula for PSL(2,R), volume 1, Lecture Notes in Mathematics No. 548, Springer-Verlag, 1976, 516pp. (Reprinted 2008.)
2. The Selberg Trace Formula for PSL(2,R), volume 2, Lecture Notes in Mathematics No. 1001, Springer-Verlag, 1983, 806pp. (Reprinted 2008.)

Books (editor):

1. (with P.Sarnak, A.Terras) The Selberg Trace Formula and Related Topics, Contemporary Mathematics Vol. 53, Amer. Math. Society, 1986, 554pp.
2. (chief editor; with J.Friedman, M.Gutzwiller, A.Odlyzko) Emerging Applications of Number Theory, IMA Series Volume 109, Springer-Verlag, 1999, 689pp.

Ph. D. students:

1. Persi Diaconis, Harvard University (1974)
2. Andreas Strombergsson, Uppsala (2001)
3. Fredrik Stromberg, Uppsala (2005)
4. Helen Avelin, Uppsala (2007)
5. Anders Sodergren, Uppsala (2010; 2nd advisor)

Professional Service (recent years):

1. Associate Editor, International Mathematics Research Notices, 1994-present.
2. Associate Editor, Proceedings of the American Mathematical Society, 1992-2002.
3. Associate Editor, Carus Mathematical Monographs, Math. Assoc. of America, 2000-2002.
4. Co-organizer, 1996 Summer Program on "Emerging Applications of Number Theory", Inst. for Math. and Its Appl. (at Minnesota), 1996 (chairman).
5. Co-organizer, 1999 Workshop on "Random matrix theory and zeros of L-functions", Math. Sciences Research Institute (Berkeley), 1999 (chairman).
6. Wallenberg Prize Selection Committee, Swedish Mathematical Society, 1995-1997 (chair, 1997).
7. Swedish National Research Council (NFR), Mathematics Committee Member, 1995-1998.
8. Ad Hoc Permanent Faculty Appointment Committee, Institute for Advanced Study, Princeton, May 2007.

Recent Conference Talks and Short Research Visits:

1. Mini-course on computational aspects of the Selberg trace formula, at "Mathematical Aspects of Quantum Chaos II", International School, Schloss Reisensburg, Germany, 4-11 Oct 2003.
2. Two survey lectures on "Gaussians, Zeta Functions, and Quantum Chaos", at Workshop on Spectral Theory and Automorphic Forms, CRM Montreal, 3-8 May 2004.
3. Invited lecture on "Zeros, Gaussians, and Linear Combinations: Some Recent Progress", at "Random Matrix Theory and Arithmetic Aspects of Quantum Chaos", Isaac Newton Institute Spring School, Cambridge, U.K., June 2004.
4. Invited lecture on "Gaussians, Zetas, and Zeros", at Workshop on "Number Theory and Random Phenomena", University of Bristol, U.K., 26-30 March 2007.
5. Kyoto University & Rikkyo University, Japan, May 2003.
6. Institute for Advanced Study, Princeton, Spring 2004, Summer 2005, Summer 2006.
7. Workshop on "Computing Arithmetic Spectra", American Institute of Mathematics, Palo Alto, 10-14 March 2008.
8. Survey lecture and progress report, "Eigenvalues, gaussians, and zeros: some remarks", at "Workshop on Automorphic Forms, Number Theory, and Computation (Hejhal60)", Uppsala University, December 2008.