Peter Sarnak

Curriculum Vitae

BIRTHPLACE: Johannesburg, South Africa

CITIZENSHIP: U.S.A./South Africa

EDUCATION

BSc.   University of Witwatersrand, 1974

BSc.   Honors - University of Witwatersrand, 1975

Ph.D.   Stanford University, 1980 (Adviser Paul Cohen)

POSITIONS

2024-	Professor Emeritus, Institute for Advanced Study
2007-2024	Professor, Institute for Advanced Study (Gopal Prasad Professor, 2022)
2005-2007	Member, Institute for Advanced Study
2002-	Eugene Higgins Professor of Mathematics, Princeton University
2001-2005	Courant Institute, NYU, Professor
1999-2002	Member: Institute for Advanced Study, Princeton
1996-1999	Chair, Princeton University, Department of Mathematics
1995-1996	H. Fine Professor, Princeton University
1991-	Princeton University, Professor
1989	Sherman Fairchild Distinguished Scholar, California Institute of Technology
1987-88	Institute of Advanced Studies, Hebrew University, Fellow
1987-91	Stanford University, Professor
1983	Courant Institute of Mathematical Sciences, New York University, Associate Professor
1980-83	Courant Institute of Mathematical Sciences, New York University, Assistant Professor

AWARDS/HONORS

2024	Shaw Prize.
2023	Honorary Doctorate, Stockholm University.
2021	Elected Honorary Member of the London Mathematical Society.
2020	Hardy Lecturer, London Mathematical Society.
2019	Sylvester Medal, Royal Society.
2017	Honorary Doctorate, Kings College London; Fellow of the American Mathematical Society.
2016	Honorary Doctorate, The University of St. Andrews, Scotland.
2015	Honorary Doctorate, The University of Chicago; elected Honorary Fellow of The Royal Society of South Africa.
2014	Honorary Doctorate, Shandong University, China; Wolf Prize in Mathematics; Honorary degree, University of Witwatersrand, Johannesburg; Phi Beta Kappa award for excellence in undergraduate teaching, Princeton chapter.
2013	Elected foreign member Academia Europea
2012	Lester Ford Prize MAA
2010	Honorary Degree, Hebrew University, Jerusalem
2008	Elected to The American Philosophical Society
2005	Frank Nelson Cole Prize, AMS
2004	Aisenstadt Chair, CRM (Montreal); Rothchild Chair, Isaac Newton Institute (Cambridge).
2003	Levi L. Conant Prize (AMS) (joint with N. Katz).
2002	Elected Member of the National Academy of Sciences (U.S.A.), and Fellow of the Royal Society (U.K.).
2001	Ostrowski Prize from the Ostrowski Foundation, Basel, (shared with H. Iwaniec and R. Taylor)
1998	Polya Prize of Society of Industrial & Applied Mathematics, (shared with P. Deift and X. Zhou)
1991	Elected to American Academy of Arts & Sciences
1985-90	Presidential Young Investigator
1983-85	Sloan Fellow
1975	Unisco Chemical Company Gold Medal, (University of Witwatersrand)
1974	William Cullen Medal, (University of Witwatersrand)

1974   Hebert LeMay Prize, (University of Witwatersrand)

COMMITTEE WORK

- Trustee MSRI
- American Institute of Mathematics, Chair Scientific Advisory Panel, 2002-2016
- Fields Institute, Scientific Advisory Committee 2000/2003
- Scientific Advisory Committee I.H.E.S. (France), 1997-2003
- Scientific Advisory Committee MSRI (Mathematic Sciences Research Institute) - 1990-1996
- Trustee MSRI (Mathematic Sciences Research Institute) - 2006-2009
- Fields Medal Committee 2010.
- Chair, Shaw Prize in Mathematical Sciences Committee 2010-2016.
- Chair of Mathematics Section, National Academy of Sciences 2012-2015.
- NSF Advisory Committee - 1988-1992
- Visiting Oversight Committees

  1. Michigan University - Mathematics Department, 1993
  2. University of Toronto - Mathematics Department, 1994
  3. California Institute of Technology - Physics & Astronomy, 1995
  4. Landau Institute, Hebrew University, Jerusalem, 1996
  5. NSERC Committee Review of Mathematics, Canada 1996
  6. MIT, 2008-2010
  7. International Benchmarking of U.S. Research Fields Mathematics Panel, 1997 (for NRC).
  8. University of Maryland, Mathematics Department, 2001   item International Review of Mathematics in the U.K. Committee, 2004
  9. Columbia University, Mathematics Department, 2004
  10. University of Pennsylvania, Mathematics Department, 2005
  11. Head of the U.S. Delegation to the IMU General Assembly, Spain, 2006
  12. FIM (ETH Zurich), Advisory Board, 2004-
  13. Institute for Advanced Study, Hebrew University, Advisory Board.
  14. International Member of RAE 2008 Panel (UK)

EDITORIAL BOARDS

- Cambridge University Press
- Duke Mathematics Journal

- GAFA (Geometric & Functional Analysis)

- Compositio Mathematics

- Annals of Math 1996-2012, 2016-

- Journal of Experimental Mathematics

- Forum Mathematics (term completed 2011)

- Communications in Mathematical Physics (term completed 2008).

- IMRN

- Colloquium Series, AMS

LECTURE SERIES

2024	Stelson Lectures, Georgia Tech; Gordon Lectures, Hebrew University.
2022/23	Chern Lectures; University of California, Berkeley.
2021	Lorne Campbell Lecture, Queens University.
2020	Hardy Lecture, Annual Meeting of the London Mathematical Society.
2019	Baylor Lecture Series in Mathematics, Baylor University; MSCS Distinguished Lecture Series, UIC; Albert Einstein Lecture, Israel Academy of Sciences; Virginia Mathematical Lectures, Charlottesville, VA; Ahlfors Lectures, Harvard University.
2018	Pascal Lecture, Durham University (UK).
2017	Harold Bohr Lecture, University of Copenhagen.
2016	Heilbronn Distinguished Lecture Series, University of Bristol; Hilldale Lecture, University of Wisconsin–Madison.
2015	Public lectures at the University of Oklahoma, Norman and Stanford University; Ordway lectures, University of Minnesota, Erdős Memorial Lecture, AMS, Chicago meeting.
2014	Eisenbud Lectures in Mathematics and Physics, Brandeis; Distinguished Public Lecture, King College London; Public Lecture at the University of Witwatersrand, Johannesburg.
2013	Myhill Lectures, University of Buffalo
2012:	A. Albert Lectures, University of Chicago Ramanujan Lectures, Tata Institute, Mumbai, India Langenhop Lecture, Carbondale, Ill. Phillips Lecture Series, Michigan State University
2011:	Maxson Lectures Texas A and M Distinguished Lecture Series, Boston College Mahler Lecture Tour (Australia)

2010   A. Whitman Lectures, USC

2009   de-Rham Lecture, Lausanne, Switzerland

2009   RISM, Riemann Conference in Verbania Italy, Lectures on L-functions.

2008   Mark & Joanna Pinsky Distinguished Lecture Series, Northwestern, Ramanujan Colloquium Lecture, University of Florida, Gainesville, Howard Rowlee Lecture, University of Nebraska, Lincoln

2007   Pacific Institute of Mathematics, 10th Anniversary lecture, (Vancouver in September).

2006   Pekeris Lecture: Weizmann Institute, Wolff Lectures: Caltech, Distinguished Lecturer: UCLA, Rademacher Lectures: UPenn.

2005   Simons Lectures SUNY Stonybrook, ARF Lecture, Ankara Turkey

2005   Mordell Lecture Cambridge UK, Gustafsson Lectures, KTH Stockholm, Everett Pitcher Lectures Lehigh University, Coble Lectures, University of Illinois, Champaign

2004   Zassenhauss Lectures, Ohio State University, Niven Lectures, University of Oregon, Distinguished Israel Pollak Lecturer, Technion Haifa, The Earle Raymond Hedrick Lectures, MAA

2003   Andrejewski Lectures, Göttingen, AMS Colloquium Lectures, Baltimore, Fields Institute Distinguished Lectures Series

2002   Turan Memorial Lectures, Hungarian Academy, Budapest, R. Brauer Lectures, University of North Carolina

2001   Milliman Lectures, University of Washington, Marker Lectures, Penn State University

2000   Kiwet Lectures, University of Michigan, Ann Arbor, Sackler Lectures, Tel-Aviv University, Wolfgang Pauli Lectures, ETH, Zurich

1999   Dressler Lecture, Kansas State University

1998   Landau Lectures, Hebrew University, Jerusalem, Yamabe Lecture, University of Minnesota, Minnapolis

1996   Kemeny Lectures, Darmouth, Bowen Lectures, University of California, Berkeley, Grosswald Lectures, Temple University, Gergen Memorial Lectures, Duke University

1995   Clifford Lectures, Tulane University, Courant Lectures, New York University

1993   Blyth Lectures, University of Toronto

1992   Schur Lectures, Tel Aviv University

1990   Porter Lectures, Rice University

1989   Whittemore Lectures, Yale University

SOME SPECIAL CONFERENCE LECTURES

1990	ICM 45-minute Lecture, Kyoto
1997	Int. Congr. of Math. Physics, Plenary Talk (Brisbane)
1998	ICM Plenary Lecture, Berlin
2000	African Congress of Mathematicians, Plenary Lecture, Cape Town, Africa
2007	Garden State Undergraduate Mathematics Conference, Keynote Address, Glassboro, New Jersey
2009	MAA Annual Meeting Plenary Lecture, Young Mathematicians Conference, Ohio-State University Plenary Lecture.
2010	Plenary Lectures at the Annual Meetings of the Canadian and Israel Math. Societies.
2011	Joint South African Mathematical Society, American Mathematical Society, Port Elizabeth, Plenary Lecture.
2016	British Mathematical Colloquium, Bristol; Graduate Student Invited Colloquium, Purdue; The 27th Nordic Congress of Mathematicians, Stockholm.
2022	Plenary Lecture, Joint Meeting AMS-EMS-SMF; Plenary Lecture Indian Math Society Annual Meeting.
2023	Mittag-Leffler Summer School Lectures.
2024	ICMAM Latin America Plenary Lecture; Shaw Prize Public Lecture, HKU.

SUPERVISED PH.D.'S OF THE FOLLOWING PERSONS:

1.	I. Efrat	2.	G. Davidoff
3.	W. Duke	4.	V. Donnay
5.	J. McLaughlin	6.	S. Arno
7.	J. Huntley	8.	J. Pila
9.	J. Jorgenson	10.	H. Khuri
11.	Y. Katznelson	12.	Y. Pedritis
13.	R. Lundelius	14.	P. Chui
15.	A. Eskin	16.	D. Jakobson
17.	A. Zaharescu	18.	A. Karnaukh
19.	S.D. Miller	20.	M. Rubinstein
21.	J. Vanderkam	22.	K. Soundarajan
23.	A. Gamburd	24.	S. Paul
25.	J. Vinson	26.	E. Duenez
27.	Z. Peng	28.	T. Watson
29.	A. Booker	30.	H. Helfgott
31.	G. Harcos	32.	M. McKee

33.	S.J. Miller	34.	A. Venkatesh
35.	F. Spinu	36.	F. Brumley
37.	L. Silberman	38.	Y. Kerzhner
39.	D. Milicevic	40.	A. Kontorovich
41.	A. Yang	42.	S. Marshall
43.	E. Fuchs	44.	J. Tsimerman
45.	A. Altug	46.	J. Jung
47.	Y. Park	48.	R. Peckner
49.	N. Sardari	50.	P. Humphries
51.	R. Zhang	52.	J.H. Whang
53.	M. De Courcy-Ireland	54.	V. Wang
55.	N. Zubrilini		