

CURRICULUM VITAE (October 2023)

Richard P. Stanley

BIRTHPLACE: New York City

PRESENT POSITION: Arts and Sciences Distinguished Scholar,
University of Miami
Emeritus Professor of Applied Mathematics,
Massachusetts Institute of Technology

EDUCATION:

California Institute of Technology	B.S.	1966
Harvard University	Ph.D.	1971
(G.-C. Rota, thesis advisor)		

EMPLOYMENT:

1965–1969	Research Scientist, Jet Propulsion Laboratories Pasadena, CA (summers)
1968–1970	Teaching Assistant, Harvard University
1970–1971	C.L.E. Moore Instructor of Mathematics, M.I.T.
1971–1973	Miller Research Fellow, University of California, Berkeley
1973–1975	Assistant Professor of Mathematics, M.I.T.
1975–1979	Associate Professor of Mathematics, M.I.T.
1979–2000	Professor of Applied Mathematics, M.I.T.
1993–1996	Chair, Applied Mathematics Committee, M.I.T.
1999–2000	Academic Officer, Department of Mathematics, M.I.T.
2000–2010	Norman Levinson Professor of Applied Mathematics, M.I.T.
2010–2018	Professor of Applied Mathematics, M.I.T.
2018–present	Emeritus Professor of Applied Mathematics, M.I.T.
2014–present	Arts and Sciences Distinguished Scholar, University of Miami

VISITING POSITIONS:

Sept. 1978–June 1979	Visiting Associate Professor of Mathematics, University of California, San Diego
March, 1981	Université de Strasbourg, France
April–May, 1981	University of Stockholm, Sweden
Jan.–June, 1986	Sherman Fairchild Distinguished Scholar, California Institute of Technology
May–June, 1990	University of Augsburg, West Germany
September, 1990	Tokai University, Japan
November, 1990	Royal Institute of Technology (KTH), Stockholm, Sweden
Jan.–May, 1992	Göran Gustafsson Professor, Royal Institute of Technology (KTH) and Institut Mittag-Leffler, Sweden
Sept. 1996–June 1997	Chern Visiting Professor, University of California at Berkeley
Sept. 1996–June 1997	General Member, Mathematical Sciences Research Institute, Berkeley, California
Sept. 2000–June 2001	Visiting Professor, Harvard University
one month total, 2001	Rothschild Visiting Professor, University of Cambridge, England
Jan.–June 2005	Royal Institute of Technology (KTH) and Institut Mittag-Leffler, Sweden

PROFESSIONAL ACTIVITIES:

- Consultant, Jet Propulsion Laboratory, Pasadena, CA, 1969–72
- Consultant, Bell Telephone Laboratories, Murray Hill, NJ, 1973–1996
- Consultant, AT&T Laboratories, Florham Park, NJ, 1997–2000
- Consultant, Microsoft Research, 2000.
- Consultant, Center for Communications Research, Princeton and San Diego, 2003–2008
- Editorial Board, *SIAM Journal on Algebraic and Discrete Methods*, 1979–82

Editorial Board, *Studies in Applied Mathematics*, 1973–present

Editorial Board, *European Journal of Combinatorics*, 1991–present

Editorial Board, *SIAM Journal on Discrete Mathematics*, 1991–present

Editorial Board, *Advances in Mathematics*, 1991–2000

Editorial Board, *Journal of Algebraic Combinatorics*, 1991–present

Editorial Board, *Journal of the American Mathematical Society*, 1992–present

Editorial Board, *Electronic Journal of Combinatorics*, 1994–present

Editorial Board, *PanAmerican Mathematical Journal*, 1994–present

Associate Editor, *Annals of Combinatorics*, 1996–present

Editorial Board, *Journal of Integer Sequences*, 1998–present

Editorial Board, *International Mathematics Journal*, 2000–present.

Editorial Board, *Journal of Combinatorial Theory, Series A*, 2002–present.

Editorial Board, *Journal of Algorithms and Computation*, 2009–present

External Peer Oversight Committee on Algebra Program of the Mathematics Section of NSF, 1980

Series Editor, Wadsworth International Mathematics Series, 1981–1992

SIAM Pólya Prize Committee, 1982–1985, 1994–1996, and 1999–2000

Chair, 1983 AMS Summer Research Conference in Algebra and Combinatorics

AMS Committee to select hour speakers for Eastern regional meetings, 1982–84 (Chair, 1984)

Presidential Young Investigators Panelist in the Mathematical Sciences, 1983

Committee on the William Lowell Putnam Competition, 1983–86 (Chair, 1985–86)

Committee to select speakers for the combinatorics section of the ICM, Berkeley, 1986

AMS Program Committee, 1986–88

AMS Committee to select a winner of the Steele Prize, 1986–89

AMS representative to the Committee on the American Mathematics Competitions, 1991–1997

Advisory Panel for the NSA Mathematical Sciences Program, 1993–1996

Committee to select speakers for the combinatorics section of the ICM, Zurich, 1994

Mathematics Panel of the International Science Foundation, 1993.

Organizing Committee, meeting on Formal Power Series and Algebraic Combinatorics, DIMACS, 1994

Chair, Program in Combinatorics (1996–97), Mathematical Sciences Research Institute, Berkeley, 1993–97.

1994 SIAM Discrete Mathematics Organizing Committee, 1993–94.

Swedish Natural Science Research Council Committee for Evaluation of Swedish Mathematics, 1994–95.

Committee to select speakers for the combinatorics section of the ICM, Berlin, 1998

Expert Committee to evaluate applicants for lektorat positions at the Royal Institute of Technology (KTH), Stockholm, 1998

Visiting Committee to evaluate the Department of Mathematics, Stanford University, 1998

Committee to award AMS Centennial Research Fellowships, 1998–2000

Panel of Reviewers, National Science Foundation, 1999

MSRI Scientific Advisory Committee, 2000–2004

Visiting Committee to evaluate the Department of Mathematics, Georgia Institute of Technology, 2000

Committee to select speakers for the combinatorics section of the ICM, Madrid, 2006

Academy Scholar (principal lecturer), Clay Mathematics Research Academy (seminar for high-school students), March 14–22, 2003, and March 19–27, 2004

Program Management Committee, Institute for Defense Analyses, 2004–2007

Organizing Committee, Program on Combinatorial Representation Theory (Jan.-May 2008), MSRI, 2005–2008

Organizing Committee, Program in Algebraic Combinatorics (Jan. 15–June 15, 2005), Institut Mittag Leffler

David P. Robbins Prize Committee in Geometry, American Mathematical Society, 2006–2009

Committee to Select the Winner of the Steele Prize, American Mathematical Society, 2007–2010

Committee to Select Colloquium Lecturer, American Mathematical Society, 2012–2015.

HONORS AND AWARDS:

SIAM Pólya Prize in Applied Combinatorics, 1975

Guggenheim Fellowship, 1983–84

Fellow, American Academy of Arts and Sciences (elected 1988)

Member, National Academy of Sciences (elected 1995)

Leroy P. Steele Prize for Mathematical Exposition, 2001

Rolf Schock Prize in Mathematics, 2003

Senior Scholar, Clay Mathematics Institute, 2004

Aisenstadt Chair, Centre de Recherches Mathématiques, Université de Montréal, 2007

Honorary Doctor of Mathematics, University of Waterloo, 2007

Honorary Professor, Nankai University, 2007

Fellow, American Mathematical Society, 2013

Leroy P. Steele Prize for Lifetime Achievement, 2022

INVITED TALKS (selected):

Jubilee Celebration of the 100th anniversary of the University of Stockholm 1978, invited hour address

American Mathematical Society annual meeting, Cincinnati, 1982, invited hour address

Conference on Combinatorics, University of Waterloo, 1982, invited series of four instructional lectures

International Congress of Mathematicians, Warsaw, 1983, invited 45 minute address in algebra

Philips Lecturer, Haverford College, 1983

Distinguished Visitor, Emory University, 1985

Japan-USA Workshop in Commutative Algebra and Combinatorics, Kyoto, Japan, 1985, invited hour address

Brauer Lecturer, University of North Carolina, 1986

First China-USA International Conference on Graph Theory and Its Applications, Jinan, China, 1986, invited plenary address

Capital City Conference on Combinatorics and Theoretical Computer Science, Washington, DC, 1989, invited series of three instructional lectures

Milliman Lecturer, University of Washington, 1990

Distinguished Visitors Lecture Series, University of Iowa, 1991

Mathematical Symposium of the Tenth Anniversary of the Ottawa-Carleton Institute for Mathematics and Statistics, invited speaker, 1994

EIDMA, Eindhoven, The Netherlands, minicourse on enumerative combinatorics, 1996

Chern Symposium, University of California at Berkeley, 1997, principal speaker

Leonidas Alaoglu Memorial Lecture in Mathematics, California Institute of Technology, 1997

Michigan State University Visiting Lecture Series, 1998

Erdős Lecturer, Hebrew University, Jerusalem, 1999

Stelson Lecturer, Georgia Institute of Technology, 1999

Mathematical Challenges of the 21st Century, UCLA, 2000, invited address

Hayden-Howard Lecturer, University of Kentucky, 2001

Renaissance of Combinatorics, Nankai University, Tianjin, China, 2001, invited series of eight instructional lectures

Dean Jacqueline B. Lewis Memorial Lectures, Rutgers University, 2002

Mathematics Workshop, New Plymouth, New Zealand, 2003, two invited lectures

IAS/Park City Mathematics Institute, Graduate Summer School Lecturer, 2004

Senior Scholar Lecture, Park City, Utah, July 7, 2004

Nankai University, Tianjin, China, 2004, invited series of six instructional lectures

Distinguished Lectures in Mathematics and Computer Science, University of Haifa, 2005

Frontier Lectures, Texas A&M University, 2005

Distinguished Lecturer, Arizona State University, 2006

Plenary address, International Congress of Mathematicians, Madrid, 2006

14th Leonard C. Sulski Memorial Lecture, College of the Holy Cross, 2007

Kemeny Lecture Series, Dartmouth College, 2007

Minicourse on symmetric functions, KAIST, Daejeon, Korea, 2008

Colloquium Lectures, American Mathematical Society, San Francisco, 2010

Clifford Lectures, Tulane University, 2010

McKnight-Zame Distinguished Lecture, University of Miami, 2011

Maheshwari Colloquium, SUNY at Albany, 2013

Distinguished Lecture, Georgia Southern University, 2013

Kliakhandler Lectures, Michigan Tech, 2016

Whiteman Memorial Mathematics Lectures, University of Southern California, 2018

Ramanujan Colloquium, University of Florida, 2023

PROFESSIONAL SOCIETIES:

American Mathematical Society

Mathematical Association of America

American Academy of Arts and Sciences

National Academy of Sciences

DOCTORAL STUDENTS (and date of degree):

Ira Gessel	1977
Emden Gansner	1978
Bruce Sagan	1979
Paul Edelman	1980
Robert Proctor	1981
Jim Walker	1981
Dale Worley	1984
John Stemberbridge	1985
Lynne Butler	1986
Karen Collins	1986
Sheila Sundaram	1986
Francesco Brenti	1988
David Wagner	1990
Victor Reiner	1990
Mark Purtil	1990
Julian West	1990
Art Duval	1991
Bo-Yin Yang	1991
Tom Roby	1991
Einar Steingrímsson	1991
Clara Chan	1992
Gábor Heteyi	1994
Tao-Kai Lam	1995
Timothy Chow	1995
David Grabiner	1995 (Harvard)
Glenn Tesler	1995
Christos Athanasiadis	1996
Satomi Okazaki	1996
Miklós Bóna	1997
Lewis Wolfgang	1997
Alexander Postnikov	1997
Patricia Hersh	1999
Wungkum Fong	2000
Mark Skandera	2000
Benjamin Joseph	2001
Federico Ardila	2003

Peter Clifford	2003
Caroline (Carly) Klivans	2003
Peter McNamara	2003
Edward Early	2004
Sergi Elizalde	2004
Cilanne Boulet	2005
Thomas Lam	2005
Lauren Williams	2005
Bridget Tenner	2006
Fu Liu	2006
Jason Burns	2007
Pavlo Pylyavskyy	2007
Denis Chebikin	2008
Camelia Smith Barnes	2009 (Harvard)
Jingbin Yin	2009
Hoda Bidkhori	2010
Karola Mészáros	2010
Greta Panova	2011 (Harvard)
Steven Sam	2012
Nan Li	2013
Yan Zhang	2013
Taedong Yun	2013
Benjamin Iriarte	2015
Efrat Engel	2016