

Curriculum Vitae
J. Peter May

Personal data

- Born: September 16, 1939
- Family: Widower, two children, two grandchildren, two great grandchildren

Education

- Swarthmore College 1957-60, BA 1960
- Princeton University 1960-64, PhD 1964

Academic Positions

- Yale University
 - 1964–65 Instructor
 - 1965–67 Assistant Professor
- University of Chicago
 - Spring, 1967 Visiting Assistant Professor
 - 1967–70 Associate Professor
 - 1970– Professor

Visiting Positions

- Fall, 1966 Institute for Advanced Study
- 1971–72 Cambridge University
- Spring, 1976 Cambridge University

University of Chicago service

- 1985–91 Chairman, Department of Mathematics
- 1988–96 Director, Mathematical Disciplines Center
- 1991–96 Chairman, University of Chicago Council on Teaching
- 1991–95 Policy Committee of the Division of Physical Sciences
- 1993–96 Council of the Senate (93-95 Committee of the Council)
- 2000–11 Director, University of Chicago VIGRE program
- 2000– Organizer and Director, University of Chicago Mathematics REU
- 2001–2009 Cochair, Graduate Studies Committee
- 2002–2017 Cochair, Graduate Admissions Committee
- 2013–2019 PI, Geometry/Topology Research Training Grant

Honors

- 1996 Univ. of Chicago Faculty Award for Excellence in Graduate Teaching
- 1997 Hardy Lecturer of the London Mathematical Society
- 2012 Inaugural Fellow of the American Mathematical Society
- 2025 IWoAT Conference in Honor of Prof. Peter May

Other service

- 1991–94 Joint Committee on Women in the Mathematical Sciences
- 1997 Organizer of the IMA summer program in algebraic topology at the University of Chicago
- 2004 Co-organizer of the IMA 2004 summer program: “ n -Categories: Foundations and Applications”, June 7-18, 2004
- 2006 Organizer of “Category Theory and its Applications” a conference in honor of Saunders Mac Lane at the University of Chicago, April 7-11, 2006
- 2007 Co-organizer of “Higher categories and their applications” at the Fields Institute, Toronto, January - February, 2007
- 2023 Committee Chair IWoAT Summer School 2023: Operads, spectra, and multiplicative structures.

Advisor to 66 PhD's (3 current students)

Mentor to 40 postdocs and junior faculty

Bibliography: 20 books or monographs and over 100 papers
 BOOKS and MONOGRAPHS only (2 others in progress not listed)

REFERENCES

- [1] Simplicial objects in algebraic topology. D. Van Nostrand 1967; reprinted by the University of Chicago Press 1982 and 1992. (161 pages)
- [2] The geometry of iterated loop spaces. Lecture Notes in Mathematics Vol. 271. Springer-Verlag 1972. (ix + 175 pages)
- [3] (with V. K. A. M. Gugenheim). On the theory and applications of differential torsion products. Memoirs Amer. Math. Soc. No. 142, 1974. (vi + 103 pages)
- [4] Classifying spaces and fibrations. Memoirs Amer. Math. Soc. No. 155, 1975. (xi + 98 pages)
- [5] (with F. R. Cohen and T. J. Lada). The homology of iterated loop spaces. Lecture Notes in Mathematics Vol. 533. Springer-Verlag 1976. (vii + 490 pages)
- [6] (with contributions by F. Quinn, N. Ray, and J. Tornehave). E_∞ ring spaces and E_∞ ring spectra. Lecture Notes in Mathematics Vol. 577. Springer-Verlag 1977. (268 pages)
- [7] (with R. Bruner, J. E. McClure, and M. Steinberger) H_∞ ring spectra and their applications. Lecture Notes in Mathematics Vol. 1176. Springer-Verlag 1986. (vii + 388 pages)
- [8] (with L. G. Lewis and M. Steinberger and with contributions by J. E. McClure). Equivariant stable homotopy theory. Lecture Notes in Mathematics Vol. 1213. Springer-Verlag, 1986. (ix + 538 pages)
- [9] (with J. P. C. Greenlees). Generalized Tate cohomology. Memoirs Amer. Math. Soc. No 543. 1995. (178 pages).
- [10] (with I. Kriz) Operads, algebras, modules, and motives. Astérisque. No. 233. 1995. (144 pages).
- [11] Equivariant homotopy and cohomology theory. NSF-CBMS Regional Conference Series in Mathematics No. 91. Amer. Math. Soc. 1996. (366 pages).
- [12] (with A. Elmendorf, I. Kriz, and M. A. Mandell). Rings, modules, and algebras in stable homotopy theory. Amer. Math. Soc. Mathematical Surveys and Monographs Vol 47. 1997. (249 pages).
- [13] A concise course in algebraic topology. University of Chicago Press. 1999. (243 pages).
- [14] (with M. A. Mandell) Equivariant orthogonal spectra and S -modules. Memoirs Amer. Math. Soc. Vol 159. 2002.
- [15] (with J. Sigurdsson) Parametrized homotopy theory. Amer. Math. Soc. Mathematical Surveys and Monographs Vol 132. 2006. (441 pages).
- [16] (with J. C. Baez, co-editor) Towards higher categories. IMA Volume in mathematics and its applications. Springer. 2010. (268 pages).
- [17] (with K. Ponto) More concise algebraic topology: localization, completion, and model categories. University of Chicago Press. 2012. (514 pages).
- [18] (with M. Merling and A. Osorno). Equivariant infinite loop space theory: the space level story Mem. Amer. Math. Soc. 305 (2025), no. 1540, v+136 pp.
- [19] (with H.J. Kong and F. Zou) Group completions and the homotopical monadicity theorem Submitted. (86 pages)
- [20] (with E. Pishavar) Finite spaces and larger contexts. Preliminary draft submitted to the Amer. Math. Soc. (214 pages)

Students (year of PhD and current employment, where known)

Neal Glassman	1968	Program director NAS
Albert Lawrence	1969	Research Faculty medicine, UCSD
Claude Schochet	1969	Wayne State University (retired)
Stanley Kochman	1970	York University, Canada
Ib Madsen	1970	University of Copenhagen, Denmark (retired)
Marta Herrero	1970	Deceased
Frederick Cohen	1972	Deceased
Zbigniew Fiedorowicz	1975	Ohio State University (retired)
Hans Ligaard	1976	High school, Denmark
Robert Bruner	1977	Wayne State University
Mark Steinberger	1977 NSF	Deceased
Robert Wellington	1977	Industry; physics at Normandale Community College
L. Gaunce Lewis	1978	Deceased
James E. McClure	1978	Purdue University (retired)
Stefan Waner	1978	Hofstra University (retired)
Anthony Elmendorf	1979	Purdue University at Calumet
Jeffrey Caruso	1979	Deceased
Nicholas Kuhn	1980	University of Virginia (retired)
Unni Namboodiri	1982	Deceased
Jean Pierre Haeberly	1983	Fordham University
Steven Costenoble	1985	Hofstra University
John Harris	1985	D'Youville College
John Wicks	1990	North Park College
Yimin Yang	1992	Bank in Atlanta
Michael Cole	1996	Hofstra University
Jerome Wolbert	1996	Franciscan friar, Byzantine Catholic Church
Michael Mandell	1997 NSF	Indiana University
Maria Basterra	1998	University of New Hampshire
Laura Scull	1999	Fort Lewis College, Durango
Dan Isaksen	1999 NSF	Wayne State University
Rebecca Field	2000	James Madison University
Adam Przewdziecki	2000	University of Warsaw
Christopher French	2001	Grinnell

Halvard Fausk	2001	Hoyskolen i Oslo
Benjamin Blander	2003	Radix Trading, Chicago
Mark Behrens	2003 NSF	Notre Dame
Johann Sigurdsson	2004	Industry, Iceland
Andrew Blumberg	2005 NSF	Columbia
Rochelle Pereira	2005	Actuarial Work
Michael Gurski	2006 NSF	Case Western
Sanjeevi Krishnan	2006	Ohio State
Kate Ponto	2007 NSF	Kentucky
Bertrand Guillou	2008	Kentucky
Niles Johnson	2009	Ohio State at Newark
Justin Noel	2009	Industry in Netherlands
Michael Shulman	2009 NSF	University of San Diego
Megan Shulman	2010	IDA San Diego
Anna Marie Bohmann	2011	Vanderbilt
John Lind	2011	Chico State
Emily Riehl	2011 NSF	Johns Hopkins
Daniel Schoepfi	2013	Waterloo
Matthew Thibault	2013	Amazon
Rolf Hoyer	2014	Industry
Mona Merling	2014	Pennsylvania
Christopher Skalit	2015	UIC
Henry Chan	2017	Vanderbilt
Zhouli Xu	2017	UCLA
Zev Chonoles	2018	Amazon
Raluca Havameanu	2018	Industry
Jonathan Rubin	2018 NSF	Self-employed
Foling Zou	2020	Chinese Academy of Science
Hana Kong	2021	Zhejiang University
Weinan Lin	2021	Fudan University
Nikolaos Georgakopoulos	2022	Radix Trading
Colin Aitken	2023	NGO employment
Yutao Liu	2023	University of Washington

University of Chicago Junior Faculty (and current position)

<i>Vigleik Angeltveit</i>	<i>National Australian University</i>
<i>Gregory Arone</i>	<i>Stockholm University</i>
<i>Andrew Baker</i>	<i>Glasgow University</i>
<i>Agnes Beaudry</i>	<i>University of Colorado</i>
<i>Daniel Biss</i>	<i>Politics, Illinois</i>
<i>Gunnar Carlsson</i>	<i>Stanford University</i>
<i>Eugenia Cheng</i>	<i>Art Institute of Chicago</i>
<i>Joel Cohen</i>	<i>University of Maryland (retired)</i>
<i>Ralph Cohen</i>	<i>Stanford University (retired)</i>
<i>Gustavo Comezana</i>	<i>(Out of contact)</i>
<i>Alissa Crans</i>	<i>Loyola Marymount University</i>
<i>Ethan Devinatz</i>	<i>University of Washington (retired)</i>
<i>Thomas Fiore</i>	<i>University of Michigan, Dearborn</i>
<i>Paul Goerss</i>	<i>Northwestern University (retired)</i>
<i>John Greenlees</i>	<i>Warwick University</i>
<i>Ilya Grigoriev</i>	<i>Google</i>
<i>Jesper Grodal</i>	<i>University of Copenhagen</i>
<i>Jeremy Gunawardena</i>	<i>Dept of Systems Biology, Harvard</i>
<i>Sharon Hollander</i>	<i>Instituto Superior Técnico, Lisboa</i>
<i>Po Hu</i>	<i>Wayne State University</i>
<i>Rick Jardine</i>	<i>University of Western Ontario</i>
<i>Igor Kriz</i>	<i>University of Michigan</i>
<i>Paulo Lima-Filho</i>	<i>Texas A & M</i>
<i>Ib Madsen</i>	<i>University of Copenhagen</i>
<i>Michael Mandell</i>	<i>Indiana University</i>
<i>Akhil Mathew</i>	<i>University of Chicago</i>
<i>Jim McClure</i>	<i>Purdue University (retired)</i>
<i>Kent Orr</i>	<i>Indiana University</i>
<i>Angelica Osorno</i>	<i>Reed College</i>
<i>Danny (Xiaolin) Shi</i>	<i>University of Washington</i>
<i>Brooke Shipley</i>	<i>University of Illinois at Chicago</i>
<i>Michael Shulman</i>	<i>University of San Diego</i>
<i>Marc Stephan</i>	<i>Bielefeld University</i>
<i>Christover Stover</i>	<i>High Performance Technologies, Inc.</i>
<i>Robert Thomason</i>	<i>Deceased</i>
<i>Robert Thompson</i>	<i>CUNY at Hunter</i>
<i>Georgia Triantafillou</i>	<i>Deceased</i>
<i>Nathalie Wahl</i>	<i>University of Copenhagen</i>
<i>Dylan Wilson</i>	<i>Senior Data Scientist K1X</i>
<i>Inna Zakharevich</i>	<i>Cornell University</i>