

CURRICULUM VITAE

David Gabai

EDUCATION

Ph.D.	Mathematics, Princeton University, Princeton, NJ	June 1980
M.A.	Mathematics, Princeton University, Princeton, NJ	June 1977
B.S.	Mathematics, M.I.T., Cambridge, MA	June 1976
<u>Ph.D. Advisor</u>	William P. Thurston	

POSITIONS

1980-1981	NSF Postdoctoral Fellow, Harvard University
1981-1983	Benjamin Pierce Assistant Professor, Harvard University
1983-1986	Assistant Professor, University of Pennsylvania
1986-1988	Associate Professor, California Institute of Technology
1988-2001	Professor of Mathematics, California Institute of Technology
2001-	Professor of Mathematics, Princeton University
2012-2019	Chair, Department of Mathematics, Princeton University
2009-	Hughes-Rogers Professor of Mathematics, Princeton University

VISITING POSITIONS

1982-1983	Member, Institute for Advanced Study, Princeton, NJ
1984-1985	Postdoctoral Fellow, Mathematical Sciences Research Institute, Berkeley, CA
1985-1986	Member, IHES, France
Fall 1989	Member, Institute for Advanced Study, Princeton, NJ
Spring 1993	Visiting Fellow, Mathematics Institute University of Warwick, Warwick England
June 1994	Professor Invité, Université Paul Sabatier, Toulouse France
1996-1997	Research Professor, MSRI, Berkeley, CA
August 1998	Member, Morningside Research Center, Beijing China
Spring 2004	Visitor, Institute for Advanced Study, Princeton, NJ
Spring 2007	Member, Institute for Advanced Study, Princeton, NJ
2015-2016	Member, Institute for Advanced Study, Princeton, NJ
Fall 2019	Visitor, Mathematical Institute, University of Oxford
Spring 2020	Member, Institute for Advanced Study, Princeton NJ

HONORS and AWARDS

NSF Graduate Fellowship 1976
NSF Postdoctoral Fellowship 1980
Sloan Foundation Fellowship 1986
AMS Centennial Fellowship 1988
NSF FRG Grant 2006-2009
NSF FRG Grant 2009-2013
Fine Professor of Mathematics, Spring 2004, Fall 2011, Fall 2023
Oswald Veblen Prize in Geometry 2004
Clay Research Award 2009
Hughes-Rogers Professor 2009-
National Academy of Sciences 2011
Fellow of the American Mathematical Society 2012
American Academy of Arts and Sciences 2014
NSF Individual Research Grants 1982 – 2023

SELECTED LECTURES

1990 45-Minute Speaker-International Congress of Mathematicians, Japan
1995 Hour Speaker - Joint AMS/SMM meeting, Guanajuato Mexico
1996 Porter Lectures, Rice University
2001 Marston Morse Memorial Lectures, Institute for Advanced Study, Princeton NJ
2002 Unni Namboodiri Memorial Lectures, University of Chicago, Chicago IL
2006 Park City Math Institute Lecture series, Park City, UT
2008 Joseph Fels Ritt Lectures, Columbia
2008 Zabrodsky Memorial Lectures, Hebrew University
2009 Hans Rademacher Lectures, University of Pennsylvania
2010 45-Minute Speaker-International Congress of Mathematicians, India
2012 Panorama Lectures – Bangalore, India
2013 Aisenstadt Chair Lectures – CRM Montreal
2013 Cantrell Lectures – U. Georgia
2015 DePrima Lecture – Caltech
2016 BP Centennial Lecture – Harvard
2017 75 Years of Math in Mexico, Plenary Lecture, Mexico City
2019 Rohklin 100, Plenary lecture, Saint Petersburg Russia
2022 KAIX Distinguished Lecture series

CONFERENCE SCIENTIFIC ADVISORY COMMITTEES

Georgia International Topology Conference, Aug 1993
International Conference on Knots and 3-manifolds, CIRM, Marseille France Jul 1994
Conference on the Poincare Conjecture, CIRM, Levico Terme Italy Jul 1995
Low Dimensional Topology Conference, CIRM, Levico Terme Italy Jul 1996
Low Dimensional Topology Conference, Madeira Portugal Jul 1998
Foundations of Comp. Math. (Comp. Geometry and Topology Section), Oxford Aug 1999
Georgia International Topology Conference, May 2001
ICM Satellite Geometric Topology Conference, Xi'an China, Aug 2002
AIM & MSRI workshops on Perelman's work, Dec 2003
Oxford Topology Conference, Aug 2004
Georgia Topology Conference, June 2005
John Morgan 60th Birthday, May 2006
Holomorphic Dynamics, Fields Institute, Spring 2006
Low Dimensional Topology and Geometry, Warwick University, UK, 2006-2007
Conference on Geometric Topology, Beijing China, June 2007
Thurston 60th Birthday, Princeton NJ, June 2007
Georgia International Topology Conference, May 2009
William Jaco 70th Birthday, Oklahoma, June 2010
ICM Satellite Conference: Geometric Topology and R. Geometry, Bangalore India, August 2010
Workshop on Low Dimensional Topology and Geometry, Princeton February 2011
Panorama of Topology, Princeton, May 2012
ICERM workshop on Topology, Geometry and Group Theory informed by experiment, Sep. 2013
Mathematical Legacy of Bill Thurston, Cornell U, June 2014
Classical and quantum hyperbolic geometry and topology, Orsay France, July 2015
Flows, foliations and contact Structures, IAS, December 2015
Georgia International Topology Conference, May 2017
Low Dimensional Topology and Related Topics, CIRM, Winter 2018
CMI Workshop on Low Dimensional Topology, Oxford January 2020
Geometry Festival, April 2023
RTG Conference and Workshop, July 2023

LOCAL CONFERENCE AND SEMINAR ORGANIZER

Caltech Topology Seminar	1986-2001
Very Informal Foliations Seminar (MSRI)	Spring 1997
Southern California Topology Colloquium, Caltech	1992, 1995, 1998, 1999 (2x), 2001
Wu-Chung Hsiang Topology Meeting, Princeton	December 10, 2005
Thurston 60 th Birthday conference, Princeton	June 7-11, 2007
FRG Conference, Princeton	March 14-16, 2011
Browder retirement conference, Princeton	May 8-11, 2012
Groups explored through geometry and dynamics, Princeton	September 8-10, 2017
Princeton Topology Seminar	2002-

EDITORIAL POSITIONS

Annals of Mathematics (Editor)	2005-2019
Geometry and Topology (Editor)	1996-
Mathematical Research Letters (Editor)	1996-
Journal of Differential Geometry (Associate Editor)	2004-
Pure and Applied Mathematics Quarterly (Editor)	2020-
Other: Annals of Mathematics (Comptroller)	2019-

FORMER AND CURRENT Ph.D. STUDENTS

Robert Penner – Ph. D. MIT 1981
Ramin Naimi - Ph. D. Caltech 1992
Natasa Kovacevic - Ph. D. Caltech 1996
Yanglim Choi - Ph. D. Caltech 1998
Siddhartha Gadgil - Ph. D. Caltech 1999
Douglas Zare - Ph. D. Caltech 1999
Tao Li - Ph. D. Caltech 2000
Peter Milley – Ph. D. Princeton 2003
Baris Coskunuzer – Ph. D. Princeton 2004
Yi Ni – Ph. D. Princeton 2007
Will Cavendish – Ph. D. Princeton 2012
Maria Trnkova- Ph. D. Palacky U. (Czech Republic) 2012
Hongbin Sun – Ph. D. Princeton 2014
Conan Wu – Ph. D. Princeton 2015
Mehdi Yazdi – Ph. D. Princeton 2017
Hannah Schwartz Ph.D. Bryn Mawr 2019 (co-supervised 2-torsion project)
Maggie Miller – Ph. D. Princeton 2020
Nathaniel Thurston - UC Berkeley (2023 Ph. D. expected)
Shruthi Sridhar – 5th year 2023 (expected)

SENIOR THESIS SUPERVISION

Julia Salzman 2002
Frank Seuffert 2009
Robert Haraway 2010
Dan Appel 2010
Paul Rapoport 2015
Maryam Abdurrahman 2022
Joye Chen 2023 (expected)

MATH DEPARTMENT SERVICE

Director of Graduate Studies, Fall 2008-Spring 2012
Jr. Faculty selection committee, AY 2002, 2006 (Chair), 2011
Graduate Student selection committee, AY 2003, 2005, 2008-2012, 2023
Sr. Faculty hiring committee, AY 2012
Alumni Weekend, Math Open House lecture 2014, 2019
Minerva Lectures Committee 2012-2019
Chair, July 1, 2012 - June 30, 2019
Strategic Planning Committee 2022-2023

UNIVERSITY SERVICE

Faculty Advisory Committee on Appointments and Advancements (C/3) 2013-2014.

COMMUNITY SERVICE

NSF Postdoctoral Fellowship Selection Panel	4x in 1990's
AMS Western States Program Committee	1999-2001
NSF Panel	2x in 2000's
ICERM, Scientific Board	2010-2012
Yau High School Math Award (Beijing), Scientific Committee	2014
ICM 2018 Topology Speaker Selection Panel	2017-18
Hang Lung Math Competition, (Hong Kong), Scientific Committee	2018
American Institute of Mathematics, Scientific Board	2003-2020
PU/IAS Women and Math., Princeton U. Committee Representative	2019-21
Samsung Science and Technology Foundation, Math. Evaluation Committee	2021
AMS Fellows Selection Committee	2020-2022
MSRI Committee of Academic Sponsors	2013-2019
Simons Foundation, MPS Scientific Advisory Board	2020-

OUTREACH

Featured blackboard in print edition of "Where Theory Meets Chalk, Dust Flies" NY Times Sep 23, 2019.
Notebook sketches in "Metric on a Torus" exhibition, Klaus von Nichtssagend gallery, NYC, Feb 17 - Mar 25, 2023.