CURRICULUM VITAE

David Gabai

	M.A. Math B.S. Math	nematics, Princeton University, Princeton, NJ June 1980 nematics, Princeton University, Princeton, NJ June 1977 nematics, M.I.T., Cambridge, MA June 1976 am 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,			
	1005 1007	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,			
	June 1994	Warwick England 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 2004 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			
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Member, Institute for Advanced Study, Princeton NJ

Spring 2020

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

Inaugural Frontiers of Science Award, Symplectic and Differential Topology, 2023

NSF Individual Research Grants 1982 – 2026

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 (2 online lectures), Korea

2023 Frontiers of Science Lecture, ICBS 2023, Beijing, China 2024 Keynote Lecture, ISTAA 2024, North Bengal, India 2024 CGTA Distinguished Lecture, Southampton, England 2024 Plenary Lecture, ICBS 2024, Beijing, China

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, Princeton April 2023

RTG Conference and Workshop, Princeton July 2023 Georgia International Topology Conference, May 2025

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

Thurston 60th Birthday conference, Princeton

FRG Conference, Princeton

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) 1996Mathematical Research Letters (Editor) 1996Journal of Differential Geometry (Associate Editor) 2004Pure and Applied Mathematics Quarterly (Editor) 2020Other: 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 - Ph. D. UC Berkeley 2023 Shruthi Sridhar – Ph. D. Princeton 2024 Lily Li - 3'rd year student Alison Tatsuoka - 2'nd year student

VISITING (GRAD) STUDENT RESEARCH COLLABORATORS

Maria Trnkova 2008 - 2011 Andrew Yarmola AY 2015/16 Daniel Hartman April 2024

SENIOR THESIS SUPERVISION

Julia Salzsman 2002 Frank Seuffert 2009 Robert Haraway 2010 Dan Appel 2010 Paul Rapoport 2015 Maryam Abdurrahman 2022 Joye Chen 2023

MATH DEPARTMENT SERVICE (Selected)

Chair, July 1, 2012 - June 30, 2019

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 Strategic Planning Committee 2022-2024

Climate and Inclusion Committee (Chair) 2024-

UNIVERSITY SERVICE

Faculty Advisory Committee on Appointments and Advancements (C/3) 2013-2014. Princeton Journal of Undergraduate Research Advisory Board 2023-

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	2020-2024
ICBS 2024 Differential and Symplectic Topology selection committee	2023
ICBS 2024 Global Committee in Mathematics	2024

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