

MITCHELL LUSKIN

School of Mathematics Born: November 13, 1951
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EDUCATION

Yale University Mathematics B.S. 1973
University of Chicago Mathematics M.S. 1976
University of Chicago Mathematics Ph.D. 1977
Ph. D. Advisors: Jim Douglas, Jr., and Todd Dupont

ACADEMIC POSITIONS

1985– Professor of Mathematics, University of Minnesota
1989–90 Professor of Applied Mathematics, California Institute of Technology
1982–85 Associate Professor of Mathematics, University of Minnesota
1981–82 Assistant Professor of Mathematics, University of Minnesota
1979–80 Assistant Professor of Mathematics, University of Michigan
1977–79 Hildebrandt Research Assistant Professor of Mathematics, University of Michigan

VISITING POSITIONS

1980 Visiting Professor, Ecole Polytechnique Federale, Lausanne, Switzerland
1980-81 Visiting Member, Courant Institute of Mathematical Sciences
2002 Visiting Associate in Mechanical Engineer, California Institute of Technology
2003 Senior Visiting Fellow, Newton Institute, University of Cambridge
2012 Distinguished Romberg Guest Professor, University of Heidelberg
2014 Visiting Scholar, Pembroke College, University of Cambridge
2015-16 Radcliffe Fellow, Harvard University
2016 Simons Fellow in Mathematics

OTHER ACADEMIC AND FELLOW POSITIONS

1985– Fellow, Minnesota Supercomputer Institute, University of Minnesota
2008– Graduate Faculty, Biomedical Informatics & Computational Biology, University of Minnesota
2014– Fellow, Society of Industrial and Applied Mathematics (SIAM)
2015– Fellow, American Mathematical Society (AMS)

SELECTED INVITED LECTURES

Invited Lecture, International Congress of Mathematicians (ICM), Beijing, ICM 2002
Plenary Address, German Mathematical Society (DMV), September 1999
Plenary Speaker, SIAM Meeting on Math. Aspects of Materials Science, Philadelphia, May 23-26, 2010
Keynote Lecture, East Asia SIAM meeting, Tokyo, June 27, 2011
Plenary Lecture, European Conference on Numerical Mathematics (ENUMATH), September 1997
Plen. Lect., Wksp on Multiscale Problems from Phys., Bio. and Mat. Sci., Shanghai JITU, May 27, 2014
Plenary Lecture, Adv. Inst. for Mat. Research Symposium 2014, Tohoku University, February 17, 2014
Distinguished Lecture, Pacific Institute for the Mathematical Sciences, September 1998
Distinguished Lecture in Applied Mathematics, University of Massachusetts, Amherst, December 8, 2014
Barrett Memorial Lectures, University of Tennessee, Knoxville, April 28-29-30, 2007
Distinguished Visitor Lecturer, Department of Mathematics, University of Iowa, 2003
Invited Lecture, Spitalfield Days, London Mathematical Society, May, 2003

SELECTED NATIONAL AND INTERNATIONAL COMMITTEES

International Congress of Mathematicians (ICM), Co-Chair, Invited Speaker Panel for Mathematics in
Science and Technology Section (Section 17), ICM 2014
AMS–MAA Committee on Mathematicians with Disabilities, 2011–3
DOE Report on A Multifaceted Mathematical Approach for Complex Systems, Panelist, 2011–12
Scientific Adv. Comm., Centre de Recherches Mathématiques (CRM), University of Montreal, 2002–5
AMS Von Neumann Symposium Committee, 2001–2004
SIAM Task Force on Computing, 1997
NSF Advisory Committee, Division of Mathematical Sciences, 1991–93
NSF Panel on Future Directions in Comp. Math., Algorithms, and Software (Rheinbolt Committee), 1984

SELECTED EDITORIAL POSITIONS

SIAM Journal on Numerical Analysis, Editor-in-Chief, 1990–95
SIAM Journal on Numerical Analysis, Editor, 1982–1990, 1996–1998
SIAM Multiscale Modeling and Simulation, Editor, 2005–
Dynamics and Differential Equations, Editor, 1988–2003
Advanced Numerical Math., book series published by Teubner and John Wiley & Sons, Editor, 1995–
Journal of Computational Physics, Editor, 1998–1999
Interfaces and Free Boundaries, Editor, 2003–2009
Communications in Mathematical Sciences, Editor, 2005–2009
Mathematical Modeling and Numerical Analysis, Editor, 2002–2012

PH.D. STUDENTS ADVISED

San-Yih Lin, Ph.D. 1987. Professor, Inst. of Aero. and Astro., National Cheng Kung Univ., Taiwan.
Robert Cohen, Ph.D. 1988. Developing models and software for Statistical Analysis Systems.
Charles Collins, Ph.D. 1990. Professor, Dept. of Math., University of Tennessee, Knoxville.
Tsong-Whay Pan, Ph.D. 1990. Professor, Department of Mathematics, University of Houston.
Li Sheng, Ph.D. 1990. Founding partner, Vice President of Business Development, Global Angels.
Ling Ma, Ph.D. 1991. Developing models and software for Salomon Brothers.
Xiao-long Shih, Ph.D. 1996. Working on statistical modeling for Blue Cross/Blue Shield.
Bo Li, Ph.D. 1996. Professor, Department of Mathematics, University of California, San Diego.
James Riordan, Ph.D. 1997. Working as research mathematician at MIT Lincoln Laboratory.
Julia Liakhova, Ph.D. 1999. Statistical Analyst, TCF Bank.
Pavel Belik, Ph.D. 2000. Professor, Augsburg College.
Tianyu Zhang, Ph.D. 2006. Associate Professor, Montana State University, Bozeman.
Matthew Dobson, Ph.D. 2009. Assoc. Professor, University of Massachusetts, Amherst.
Brian Van Koten, Ph.D. 2012. Tenure-track Assistant Professor at the University of Massachusetts, Amherst.
Xingjie Helen Li, Ph.D. 2012. Associate Professor, University of North Carolina, Charlotte.
Derek Olson, Ph.D. 2015. Postdoc, RPI, 2016–2019, Third Wave Systems, 2020–
Andrew Binder, Ph.D. 2017. Researcher, L3Harris Technologies.
Daniel Massatt, Ph.D. 2018. Kruskal Postdoc, U Chicago, 2018–, tenure-track asst. prof. LSU., 2022–
Gabriel Jung Heon Song, Ph.D. 2020, research mathematician at KLA Corporation, 2020–

POSTDOCTORAL RESEARCHERS ADVISED

Jonathan Luke, 1987–89, Professor, New Jersey Institute of Technology.
Yalchin Efendiev, 1999–2001, Mobil Chair in Comput. Science, Texas A & M, 2014 ICM Invited Lecture.
Pierre Gremaud, 1991–94, Professor, North Carolina State University.
John Lowengrub, 1992–93, Chancellor's Professor, University of California, Irvine.
Andreas Prohl, 1996–97, Professor, University of Tuebingen.
Martin Kruzik, 1996–98, Dept. Head, Inst. of Inform. Theory, Academy of Sci. of the Czech Republic.
Bruce Ayati, 1998–2000, Professor, University of Iowa.
Marcel Arndt, 2006–8, Researcher, BMW Munich.
Frederic Legoll, 2004–2005, Researcher, Ecole de Pont, ParisTech, Paris.
Xiantao Li, 2004–2005, Professor, Penn State University.
Gideon Simpson, 2011–3, Associate Professor, Drexel University.
David Aristoff, 2011–4, Associate Professor, Colorado State University.
Alexander Shapeev, 2011–4, SIAM Outstanding Paper Prize, assoc. prof., Skolkovo Inst. Science & Tech.
Michael White, 2013–15, Synaptics.
Paul Cazeaux, 2014–2017. Tenure Track Assistant Professor, Virginia Tech.
Matthias Maier, 2015–2018. Associate Professor, Texas A & M University.
Brittan Farmer, 2015–2018. Researcher, Boeing Aerospace Corporation.
Vera Andreeva, 2017–2020. Researcher, KLA Corporation.
Alexander Watson, 2020–.
Michael Hott, 2022–.