

## MITCHELL LUSKIN

School of Mathematics                      Born: November 13, 1951  
University of Minnesota                      Email: luskinmath.umn.edu  
Minneapolis, Minnesota 55455              <http://www.math.umn.edu/~luskin/>  
Phone: 612-625-6565                      FAX: 612-626-2017

### EDUCATION

Yale University                      Mathematics      B.S. 1973  
University of Chicago                  Mathematics      M.S. 1976  
University of Chicago                  Mathematics      Ph.D. 1977

### 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      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  
Plenary Lecture, Workshop on Multiscale Problems from Physics, Biology and Materials Science, Shanghai Jiao Tong University, May 27, 2014  
Plenary Lecture, Advanced Institute for Materials 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 Advisory Committee, 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. 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. Tenure-track Assistant Professor, University of North Carolina, Charlotte.  
Derek Olson, Ph.D. 2015. Postdoc, Rensselaer Polytechnic Institute, 2016–2019, Third Wave Systems, 2020–  
Andrew Binder, Ph.D. 2017. Researcher, Aerospace Corporation.  
Daniel Massatt, Ph.D. 2018. Kruskal Postdoc, University of Chicago, 2018–.  
Gabriel Jung Heon Song, Ph.D. 2020, research mathematician at KLA Corporation.

## **POSTDOCTORAL RESEARCHERS ADVISED**

Jonathan Luke, 1987–89, Professor, New Jersey Institute of Technology.  
Yalchin Efendiev, 1999–2001, Mobil Chair in Computational 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, Department Head, Inst. of Inform. Theory and Automation, 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, associate professor at Skolkovo Institute of Science and Technology, Moscow.  
Michael White, 2013–15, Synaptics.  
Paul Cazeaux, 2014–2017. Tenure Track Assistant Professor, University of Kansas.  
Matthias Maier, 2015–2018. Tenure Track Assistant Professor, Texas A & M University.  
Brittan Farmer, 2015–2018. Researcher, Boeing Aerospace Corporation.  
Vera Andreeva, 2017–2020. Researcher, KLA Corporation.  
Alexander Watson, 2020–.