

DANIEL POLLACK
CURRICULUM VITAE

EDUCATION

B. Sc.	1986	University of Pennsylvania
M. Sc.	1986	University of Pennsylvania
Ph.D.	1991	Stanford University

PROFESSIONAL EXPERIENCE

2006–	Professor, University of Washington
2017–	Associate Chair, Department of Mathematics
2016–	Arts & Sciences College Council
2014–2017	Chair, Appointments Committee
2010–2014	Director of Graduate Admissions, University of Washington
2007–2010	Graduate Program Coordinator, University of Washington
2000–2006	Associate Professor, University of Washington
2005, Autumn	Member, Issac Newton Institute for Mathematical Sciences, Cambridge, U.K.
2002, Spring	Visiting Scholar, Massachusetts Institute of Technology
2001, Autumn	Visiting Associate Professor, Brown University
1996–00	Assistant Professor, University of Washington
1997, Autumn	Member, Institute for Advanced Study, Princeton, NJ
1994–96	Assistant Professor, University of Chicago
1993–94	Postdoctoral Fellow, Mathematical Sciences Research Institute
1991–93	R. H. Bing Fellow in Mathematics, The University of Texas at Austin

AWARDS AND RESEARCH SUPPORT

2013–2018	Simons Foundation, Collaboration Grants for Mathematicians, “ <i>Geometry and Analysis in Mathematical General Relativity.</i> ” (\$35,000)
2005	Principal Investigator, Supplement to NSF Research Grant DMS-O305048 “ <i>Nonlinear Partial Differential Equations in Geometry and General Relativity.</i> ” (\$12,799)
2003–2007	Principal Investigator, NSF Individual Research Grant DMS-O305048 “ <i>Nonlinear Partial Differential Equations in Geometry and General Relativity.</i> ” (\$107,713)
2003–2004	University of Washington Royalty Research Fund Scholar “ <i>Evolution of wormholes and connected sums of initial data in general relativity</i> ” (\$32,191)
1997–2000	Principal Investigator, NSF Individual Research Grant DMS-9704515 “ <i>Existence and geometry of complete Riemannian structures</i> ” (\$75,914)
1994–1998	National Science Foundation Mathematical Sciences Postdoctoral Fellowship

CONFERENCES ORGANIZED

The Pacific Northwest Geometry Seminar, Seattle, WA, May 14-15, 2005
Research In Teams Program on “Recent Advances in Mathematical Relativity”
 The Banff International Research Station (BIRS), August 5–12, 2007
The Pacific Northwest Geometry Seminar, Seattle, WA, May 10-11, 2008

BIRS Workshop on “Geometric Analysis and General Relativity”, June 20 - June 25, 2010.

The Pacific Northwest Geometry Seminar, Seattle, WA, October 17-18, 2015

BIRS Workshop on “Geometric Analysis and General Relativity”, July 17 - July 22, 2016.

SELECTED RECENT AND UPCOMING INVITED LECTURES

Workshop on Geometric Analysis

Tohoku University, Sendai, Japan. January 8 – 12, 2007

Conceptions of Space as part of *Demonstrations: collaborations with mathematicians*, New work by Artist Lun-Yi Tsai. Shift Collaborative Studio, Seattle, WA. May 12, 2007

BIRS Workshop “Special Structures in Riemannian Geometry”, Banff, Canada, February 17 – 22, 2008

Geometry, Analysis, and General Relativity,

Institut Mittag-Leffler, Djursholm, Sweden. October 12 – 25 and November 12 – 22, 2008

Complex Analysis & Dynamical Systems IV,

Nahariya, Israel. May 18 – 22, 2009

“1st PRIMA Congress”

The University of New South Wales, Sydney, Australia, July 6 – 10, 2009

“Mathematical Aspects of General Relativity”

Oberwolfach Workshop, Oberwolfach, Germany, July 29 – August 4, 2012.

“Geometry and Physics Conference”, October 8 – 12, 2012.

Institut Henri Poincaré, Paris, France.

Trimester in Conformal and Kähler Geometry, September 10 – December 14, 2012.

“Workshop on Geometric Analysis”

African Institute of Mathematical Sciences, Cape Town, South Africa December 3 – 7, 2012

“Tsignhua Sanya International Mathematics Forum”

Master Lectures on Mathematics, Sanya City, China January 4 – 8, 2013

IAS/Park City Mathematics Institute (PCMI) Research program in “Geometric Analysis”, June 30 July 20, 2013.

MSRI Introductory Workshop: Mathematical Relativity, September 9 – 13, 2013 . Introductory lectures: “Spacetime Geometry: A Setting for General Relativity” and “The Einstein Field Equations: A PDE Perspective”.

Mini-course on “Initial Data for the Cauchy Problem in General Relativity” General Relativity Spring School, Junior Scientist Andrejewski Days celebrating 100 years of General Relativity, March 22nd to April 4th, 2015, Begegnungsstätte Schloss Gollwitz, Brandenburg an der Havel, Germany.

“Mathematical Aspects of General Relativity”

Oberwolfach Workshop, July 12 – 18, 2015.

GRADUATE STUDENTS SUPERVISION

Ph.D. Degrees Supervised

Madeleine J. Burkhart – (Current UW PhD student)

Catherine Williams – (UW PhD 2008)

Thesis “Asymptotic Behavior of Marginally Trapped Tubes in Spherically Symmetric Black Hole Spacetimes”

Initial employment: Inst. Mittag-Leffler and Samuelson/RTG Postdoc at Stanford University.

Current employment: Chief Data Scientist AppNexus

David Maxwell – (UW PhD 2004)

Thesis “Initial data for black holes and rough spacetimes”

Initial employment: Assistant Professor, University of Alaska Fairbanks.

Current employment: Associate Professor, University of Alaska Fairbanks.

Jesse Ratzkin – (UW PhD 2001)

Thesis: “An end-to-end gluing construction for surfaces of constant mean curvature”

Initial employment: VIGRE Instructorship, University of Utah

Current employment: Lecturer, University of Cape Town, South Africa.

SELECTED PROFESSIONAL SERVICE

AMS Committee Service

AMS Committee on Professional Ethics (COPE) (Feb 2011 – Jan 2014)

Banff International Research Station (BIRS) Service

BIRS Scientific Advisory Board (2013 –)

BIRS Program Committee (2013)

Department Committee Service

Associate Chair (2017 –)

Chair, Appointments Committee (2014 – 2017)

Director of Graduate Admissions (2010 – 2014)

Graduate Program Coordinator (2007 – 2010)

Graduate Program Committee (1996 – 1998, 2007 –)

Computing Committee (1996 – 2006, 2014 –)

Appointments Committee (2000 – 2001, 2003 – 2007, 2014 –)

String Theory search Committee (2002 – 2003)

Calculus Oversight Committee (2000 – 2001)