Mark David Haiman

Department of Mathematics
970 Evans Hall
University of California
Berkeley, California 94720-3840

Phone: (510) XXX-XXXX (home)
(510) XXX-XXXX (mobile)
(510) 642-8204 (fax)
mhaiman@math.berkeley.edu
www.math.berkeley.edu/~mhaiman

EDUCATION

B.S., Computer Science, Massachusetts Institute of Technology, 1979
B.S., Electrical Engineering, Massachusetts Institute of Technology, 1979
Ph.D., Mathematics, Massachusetts Institute of Technology, 1984

EMPLOYMENT

Massachusetts Institute of Technology
  1984–86   Applied Mathematics Instructor
  1986–91   Assistant Professor of Applied Mathematics
University of California, San Diego
  1991–93   Assistant Professor of Mathematics
  1993–97   Associate Professor of Mathematics
  1997–2001 Professor of Mathematics
University of California, Berkeley
  2001–   Professor of Mathematics

RESEARCH INTERESTS

Algebraic combinatorics, algebraic geometry, representation theory, lattice theory.

AWARDS

First recipient of the *E. H. Moore Prize*, January 2004, for best research article in an
AMS journal during the preceding six years.

Fellow of the American Mathematical Society

VISITING POSITIONS AND RESEARCH INSTITUTES

Mittag-Leffler Institute, Stockholm, Sweden, Spring 1992
Mathematical Sciences Research Institute, Berkeley, California, Spring 1997
Mathematical Sciences Research Institute, Berkeley, California, Spring 2000
Visiting Miller Professor, University of California, Berkeley, Fall 2000
Isaac Newton Institute, Cambridge, England, Spring 2001

LACIM, University of Québec at Montréal, Spring 2005

Mittag-Leffler Institute, Stockholm, Sweden, Spring 2005

Mathematics Dept., University of Québec at Montréal, Spring 2005 and Spring 2007

CRM, University of Montréal, Spring 2007

Miller Professor, University of California, Berkeley, 2007-08 academic year

Invited lectures (selected)

Algebraic Combinatorics Conference in Honour of Adriano Garsia, Taormina, Sicily, July 1994.

Rotafest: conference in honor of G.-C. Rota, M.I.T., Boston, Mass., April 1996.

Commutative Algebra, Representation Theory, and Combinatorics: conference in honor of David Buchsbaum, Boston, Mass., October 1997.

Plenary address, 49th Colloquium of the Québec Mathematical Society, Montréal, Québec, April 1998.

International Workshop on Physics and Combinatorics (3 lectures), Nagoya, Japan, August 2000.

Whittaker Lecture, Edinburgh University, Edinburgh, Scotland, May 2001.

Per Claudio: conference in honor of C. Procesi, Rome, Italy, June 2001.

Symmetric Functions 2001: Nato advanced study institute (3 lectures), Cambridge, England, July 2001.

MSRI Workshop on Commutative Algebra (3 lectures), Berkeley, Calif., September 2002.

Current Developments in Mathematics, Harvard University (2 lectures), Boston, Mass., November 2002.

Summer school on Combinatorics of Groups and Algebras (5 lectures), Luminy, France, July 2004.

Graduate summer school on Geometric Combinatorics (5 lectures), PCMI, Park City, Utah, July 2004.

CRM/ISM Joint Colloquium, Montréal, Québec, April 2005.

KTH Conference in honor of Dan Laksov, Stockholm, Sweden, May 2005.

Formal Power Series and Algebraic Combinatorics, Taormina, Sicily, June, 2005.

Summer Institute in Algebraic Geometry (3 lectures), Seattle, Wash., Aug. 2005.

Plenary Address, AMS Western Section Meeting, Eugene, Ore., Nov. 2005.

International Congress of Mathematicians, Combinatorics Section, Madrid, Spain, Aug. 2006

CRM/ISM Joint Colloquium, Montréal, Québec, April 2007.

Workshop on Interactions between Algebraic Combinatorics and Algebraic Geometry, CRM, Montréal, Québec, May 2007.

ARCC Workshop on Arithmetic Harmonic Analysis on Character and Quiver Varieties, Palo Alto, Calif., June 2007.

Workshop on Topics in Combinatorial Representation Theory, MSRI, Berkeley, Calif., March 2008

Special Session on Algebraic Combinatorics, AMS Western Section Meeting, Claremont, Calif., May 2008

Special Session on Applications of Algebraic and Geometric Combinatorics, AMS Southeastern Section Meeting, Raleigh, N.C., May 2009

London Mathematical Society Symposium on Combinatorial and Geometric Structures in Representation Theory, Durham, England, July 2009 (3 lectures)

Claudio 70: conference in honor of C. Procesi, Rome, Italy, June 2011.

Workshop on Equivariant Combinatorics, CRM, Montréal, June 2017

Garsia Fest (conference in honor of Adriano Garsia's 90th birthday), UC San Diego, June 2019

ALCOVE (Algebraic Combinatorics Virtual Experience), online conference, June 2020

OTHER PROFESSIONAL ACTIVITIES

Reviewer for *Mathematical Reviews*

Organizer, Algebraic Combinatorics Conference in honour of Adriano M. Garsia, Taormina, Sicily, July 1994

Editorial board, *Algebra Universalis*, 1997–2005

Scientific advisory board, *Centre de Recherches Mathématiques*, Montréal, 2002–2005

Organizer, Special Session on Algebraic Combinatorics and Geometry, AMS Western Section Meeting, Eugene, Oregon, Nov. 2005

Co-organizer, Workshop on Combinatorial Hopf Algebras and Macdonald Polynomials, CRM Semester in Combinatorics, Montréal, Spring 2007

Organizer, Berkeley Workshop on Representation Theory, Geometry and Combinatorics, June 2008

GRANT SUPPORT

NSF Graduate Fellow, 1979–82

NSF EMSW21 Research Training Group Grants in Interactions of Representation Theory, Geometry and Combinatorics, DMS-0354321 (2004–10), DMS-0943745 (2010–16)

NSF Special Meeting Grant: Recent Advances in Combinatorics, CRM Thematic Semester 2007, DMS-0603479 (2007)

NSF Research Grants DMS-8717795 (1988–91), DMS-9119355 (1992–94), DMS-9400934 (1994–97), DMS-9701218 (1997–2000), DMS-0070772/DMS-0296203 (2000–03), DMS-0301072 (2003–08), DMS-0801262 (2008–13)

DOCTORAL STUDENTS

David Herscovici (MIT, 1992)
Joseph Alfano (UCSD, 1994)
Sara Billey (UCSD, 1994)

William Brockman (UCSD, 1997)
Carol Chang (UCSD, 1998)
Jason Ribando (UCSD, 2000)
Jeremy Martin (UCSD, 2002)
Alex Woo (UC Berkeley, 2005)
Sami Assaf (UC Berkeley, 2007)
Jonah Blasiak (UC Berkeley, 2009)
Brian Rothbach (UC Berkeley, 2009)
Arun Sharma (UC Berkeley, 2009)
Li-Chung Chen (UC Berkeley, 2010)
Sarah Iveson (UC Berkeley, 2012)
Maria Gillespie (UC Berkeley, 2016)
Maryam Fahramand Asil (UC Berkeley, 2018)
Chris Miller (UC Berkeley, 2020)
Jeremy Meza (UC Berkeley, 2021)
Foster Tom (UC Berkeley, 2022)
Max Hlavacek (UC Berkeley, 2023)
Max Wimberly (current)
Mitsuki Hanada (current)
John Lentfer (current)

POSTDOCTORAL ADVISEES

Glenn Tesler (NSF, U.C.S.D., 1995–98)
Rosa Orellana (U.C. President's Postdoctoral Fellow, U.C.S.D., 1999–2000)
Monica Vazirani (NSF, U.C. Berkeley and U.C.S.D., 1999–2002)
Sarah Mason (NSF, U.C. Berkeley, 2005–07)
Dagan Karp (NSERC and NSF EMSW21, U.C. Berkeley, 2005–08)
Beth Samuels (NSF EMSW21, U.C. Berkeley, 2005–07)
David Hill (NSF EMSW21, U.C. Berkeley, 2007–10)
Joshua Sussan (NSF EMSW21, U.C. Berkeley, 2007–10)
Michael Rose (NSF EMSW21, U.C. Berkeley, 2008–10)
Brendon Rhoades (NSF, U.C. Berkeley, 2008–09)
Luke Oeding (NSF EMSW21, U.C. Berkeley, 2011–13)

GRADUATE ADVISOR: Gian-Carlo Rota

CITIZENSHIP: U.S.