

CURRICULUM VITAE

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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)

Claudio 70: conference in honor of C. Procesi, Rome, Italy, June 2011.
London Mathematical Society Symposium on Combinatorial and Geometric Structures
in Representation Theory, Durham, England, July 2009 (3 lectures)
Special Session on Applications of Algebraic and Geometric Combinatorics, AMS South-
eastern Section Meeting, Raleigh, N.C., May 2009
Special Session on Algebraic Combinatorics, AMS Western Section Meeting, Claremont,
Calif., May 2008
Workshop on Topics in Combinatorial Representation Theory, MSRI, Berkeley, Calif.,
March 2008
ARCC Workshop on Arithmetic Harmonic Analysis on Character and Quiver Varieties,
Palo Alto, Calif., June 2007.
Workshop on Interactions between Algebraic Combinatorics and Algebraic Geometry,
CRM, Montréal, Québec, May 2007.
CRM/ISM Joint Colloquium, Montréal, Québec, April 2007.
International Congress of Mathematicians, Combinatorics Section, Madrid, Spain, Aug.
2006
Plenary Address, AMS Western Section Meeting, Eugene, Ore., Nov. 2005.
Summer Institute in Algebraic Geometry (3 lectures), Seattle, Wash., Aug. 2005.
ARCC Workshop on Generalized Kostka Polynomials, Palo Alto, Calif., July 2005.
Formal Power Series and Algebraic Combinatorics, Taormina, Sicily, June, 2005.
KTH Conference in honor of Dan Laksov, Stockholm, Sweden, May 2005.
Graduate summer school on Geometric Combinatorics (5 lectures), PCMI, Park City,
Utah, July 2004.
Summer school on Combinatorics of Groups and Algebras (5 lectures), Luminy, France,
July 2004.
Current Developments in Mathematics, Harvard University (2 lectures), Boston, Mass.,
November 2002.
MSRI Workshop on Commutative Algebra (3 lectures), Berkeley, Calif., September 2002.
Symmetric Functions 2001: Nato advanced study institute (3 lectures), Cambridge,
England, July 2001.
Per Claudio: conference in honor of C. Procesi, Rome, Italy, June 2001.
Whittaker Lecture, Edinburgh University, Edinburgh, Scotland, May 2001.
International Workshop on Physics and Combinatorics (3 lectures), Nagoya, Japan,
August 2000.

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

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

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

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

OTHER PROFESSIONAL ACTIVITIES

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

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

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

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

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

Editorial board, *Algebra Universalis*, 1997–2005

Reviewer for *Mathematical Reviews*

Grant support:

NSF Graduate Fellow, 1979–82

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)

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)

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, 2015)
Maryam Fahramand Asil (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.