

CURRICULUM VITAE for SUSAN MONTGOMERY (June 2023)

Education

1965 B. A. (summa cum laude) University of Michigan
1966 M. S. University of Chicago
1969 Ph.D. University of Chicago

Academic Positions

1969 - 70 DePaul University (Assistant Professor)
1970 - University of Southern California (Assistant Professor 1970-75, Associate Professor 1975-82, Professor 1982-present, Chair 1996-99)
2017 - 20 Gabilan Distinguished Professor of Science and Engineering.

Visiting Positions

1973 Visiting Assistant Professor, Hebrew University, Jerusalem (February-May)
1977 Visiting Associate Professor, University of Chicago (February-August); Visiting Research Associate, University of Leeds (September 1 - October 15); Fellow, Institute for Advanced Studies, Hebrew University (Oct. 15 - Jan. 15, 1978)
1981 Visiting Research Associate, University of Leeds (April-June)
1985 Visiting Scholar, UC San Diego (February-March); Member, MSRI, Berkeley (April-June); Honorary Fellow, University of Wisconsin, Madison (September-December)
1988 Visiting Professor, University of New South Wales, Sydney (July)
1993 Member, MSRI, Berkeley (June)
1996 Gastprofessor, Mathematisches Institut, University of Munich, Germany (January-June)
1999-2000 Co-organizer and member, Non-commutative Algebra Year, MSRI, Berkeley
2004 Member, Mittag-Leffler Institute, Sweden (March-April)

Awards and Recognition

1964 Phi Beta Kappa (junior year)
1965 Woodrow Wilson Fellow
1965-69 NSF Graduate Fellow
1984 AMS Invited Address, Louisville, January
1984-85 John S. Guggenheim Memorial Foundation Fellow
1987 Albert S. Raubenheimer Distinguished Faculty Award, Division of Natural Sciences and Mathematics, University of Southern California.
1992 CBMS Principal Lecturer, De Paul University, Chicago
1995 Invited Address, joint meeting of the AMS and the Israel Math Union, Jerusalem
2005 AMS Invited Address, Bowling Green, Kentucky, March
2009 Plenary Lecture, Canadian Math Society Summer Meeting, Newfoundland
2011 Noether Lecturer, AMS Joint Math Meetings, New Orleans
2012 Selected as a Fellow of the American Math Society

2012 Elected a Fellow of the American Association for the Advancement of Science
2018 Special Session in honor of my 75th birthday, AMS Joint Math Meeting, San Diego

Research Grants

1971-2017 NSF Summer Research Grant (sole PI since 1979). Last three grants: DMS 0701291 (\$211,000), DMS 1001547 (\$160,000), DMS 1301860 (\$180,000).

1981-83 US-Israel Binational Science Foundation Research Grant; Co-investigator M. Cohen, Ben Gurion University, Beersheva, Israel

1999 NSA grant for Hopf Algebras Workshop at MSRI (awarded through MSRI)

2005 NSA travel grant for US participants in the XVI Colloquio Latinamericano de Algebra, Colonia, Uruguay. PI was Frank Sottile at Texas A&M; co-PIs were Joseph Wolf at UC Berkeley and myself.

2007-2018 NSF Grants for Intercampus Workshop Program: Lie groups, Lie algebras, and their representations. Most recent grant: 2016 (\$50,000). PI is Geoffrey Mason at UC Santa Cruz; co-PIs are Joseph Wolf at UC Berkeley and myself.

Ph D students (all at USC) (post-doc placement; last known position)

Phillip Lestmann 1977; Professor and Chair, Dept of Mathematics, Bryan College, Dayton, TN.

Danny Ta-ming Chi 1984; President, Cyclonics Inc, Fremont, CA.

Maria Angelone Lorenz 1991; Professor of Mathematics (Instruction), Temple University, Philadelphia.

Horia Pop 1995; Visiting Assistant Professor, University of Iowa, 1995-1997; Professor of Mathematics, Mt. San Antonio College, Pomona, CA.

Ioana Boca 1995; Lecturer, University of Illinois, Urbana.; Teaching Associate, University of Illinois Urbana Lab High School, 2006 - present.

Min Ouyang 1997; Senior Staff Algorithm Engineer, KLA-Tencor Corp, San Jose.

Yevgenia (Jane) Kashina 1999; MSRI Postdoctoral Fellowship 1999-00; Professor, De Paul University, Chicago.

Vitaly Linchenko 2001; computer programmer for Dobrynya Ltd, in Russia.

Andrea Jedwab 2008; Visiting Assistant Professor, Claremont McKenna College, Pomona, 2008-2009; Lecturer, St. Mary's College, CA.

Marc Keilberg 2010; Lecturer, UC San Diego, 2010-2011; Post-Doc, University of Bourgogne, Dijon, 2013; Lecturer, Hope College, Michigan 2014 - 2015

Rebecca Courter 2012; Tenured Assistant Professor, Pasadena City College.

Joseph Timmer 2014; Post-doc, Louisiana State University 2014-2015; Lecturer (long-term), University of Colorado, 2015 - .

Henry Tucker 2016; RTG Post-Doc, UC San Diego, 2016-2019; Visiting Assistant Professor UC Riverside 2019 - 2022

Kayla Orlinsky 2023; Lecturer, USC.

Recent Post-docs (with current placement)

Peter Schauenburg, Visiting Assistant Professor 1995 (Professor, Universite de Bourgogne, Dijon, France).

Mikhail Kotchetov, NSERC Postdoctoral Fellow 2006 (Professor, Memorial University, St. Johns, Newfoundland, Canada).

Zachary Mesyan, Lecturer 2006-2008 (Professor and Chair, University of Colorado at Colorado Springs).

Miodrag Iovanov, Assistant Professor (NTT) 2009 - 2012 (Associate Professor, University of Iowa).

Maria Vega, Alliance Post-doctoral Fellow, Fall 2013; Visiting Assistant Professor, West Point (Assistant Professor, St Augustine's University)

Guangbing Zhuang, Assistant Professor (NTT) 2013 - 2016 (Lecturer, California State University Dominguez Hills, 2017- 2018).

Jincheng Dong, Post-doc from the Chinese government 2014 - 2015 (Nanjing Agricultural University).

Professional Activities

I. Editorial Boards

Associate Editor, American Math Monthly, 1978-81.

Editorial Committee, AMS Notices, 1979-82.

Editorial Committee, AMS Math Surveys and Monographs, 1983-90 (Chair, 89-90).

Editorial Board, Communications in Algebra, 1986-88

Coordinating Editor for Algebra and Number Theory, Proceedings of the AMS, 1992 - January 1996.

Editorial Board, Advances in Math, 1995 - 2002

Editorial Board, Algebra Colloquium, 1996 - 2002

Editorial Board, Journal of Algebra, 1988 - 2007

Editorial Board, Algebras and Representation Theory, 1998 - 2017

Editorial Board, Algebra and Number Theory, 2007- 2020

II. Meeting Organization

Co-organizer, Special Session on Ring Theory, AMS Annual Meeting, Louisville, 1984.

Chair, Organizing Committee, AMS-IMS-SIAM Joint Summer Research Conference on Group Actions on Rings, Brunswick, Maine, July 8-14, 1984.

Organizing Committee, MSRI Microprogram on Non-commutative rings, Berkeley, 1989

Co-organizer, Special Session on Hopf algebras, AMS Annual Meeting, San Francisco, 1991.

Organizing Committee, International Conference in Algebra in honor of A. I. Shirshov, Barnaul, USSR, 1991.

Overall Program Committee Member and Coorganizer of the Special Session on Algebra, Joint AMS-Benelux Math Societies meeting, Antwerp, Belgium, May 22-25, 1996.

Co-organizer, Special Session on Hopf Algebras, AMS meeting in Pasadena, November, 1996.

Organizing Committee, Non-Commutative Algebra Year, MSRI, Berkeley, 1999-2000.

Chair, Organizing Committee, Hopf Algebras Workshop, MSRI, Berkeley, 1999.

Organizing Committee, MSRI-UNAM meeting on Quantum Groups, Morelia, Mexico, 2000

Co-organizer of the AMS Special Session on Hopf Algebras, Courant Institute, New York City, 2003.

Co-organizer of the Canadian Math Society Special Session on Hopf Algebras and Related Topics, Halifax, Nova Scotia, June 2004.

Co-organizer of the AMS Special Session on Hopf Algebras and Quantum Groups, Joint Meeting of the AMS with the Deutsche Mathematiker-Vereinigung (DMV) and the Österreichische Mathematische Gesellschaft (ÖMG) in Mainz, Germany, June 2005.

Program Committee Member for the Joint Meeting of the AMS and the Sociedad Mexicana Mathematica (SMM), Zacatecas, Mexico, May 2007

Co-organizer of the AMS Special Session on Hopf Algebras and Quantum Groups, DePaul University, Chicago, October 2007.

Co-organizer of the Special Session on Hopf Algebras and Quantum Groups, joint meeting of the AMS and the New Zealand Math Society, Wellington, NZ, December, 2007.

Co-organizer of the AMS Special Session on Hopf Algebras and Quantum Groups, Claremont McKenna College, Pomona, CA, May 2008

Organizer of the NSF Workshop on Lie algebras, Lie groups, and their representations, USC, May 2009

Organizer of the NSF Workshop on Lie algebras, Lie groups, and their representations, USC, May 2010

Co-organizer of the AMS Special Session on Hopf Algebras and Quantum Groups, AMS Annual Meeting, New Orleans, January 2011.

Member of the Scientific Committee, Conference on Hopf Algebras and Tensor Categories, Almeria, Spain, July 2011.

Co-organizer of the NSF Lie theory Workshop, with a focus on Hopf algebras and their representations, USC, May 2012.

Co-organizer, Special Session on Hopf algebras, Coalgebras, and their Categories of Representations, Joint Meeting of the American Math Society and the Romanian Math Society, Alba Iulia, Romania, May 2013 (unable to attend).

Co-organizer of Special Session on Non-commutative Algebras, Mathematical Congress of the Americas, Guanajuato, Mexico, August 2013 (unable to attend).

Co-organizer of the NSF Lie theory Workshop, with a focus on Hopf algebras, University of Washington, Seattle, November 2014

Co-organizer of AMS Special Session on Hopf algebras and tensor categories, JMM, San Antonio, January 2015.

Organizer, Mini-meeting on Hopf algebras and tensor categories, USC, May, 2015.

Member of organizing committee, Meeting on Women in Representation Theory, Banff, March 2016.

Co-organizer, Workshop on Hopf algebras and Actions, University of Washington, Seattle, April 2016 (part of NSF Lie theory workshops).

Member of organizing committee, Meeting on Hopf algebras, Chern Institute, Nankai University, Tianjin, China, September 2016.

Co-organizer of AMS Special Session on Hopf algebras and their actions, JMM, Atlanta, January 2017.

Co-organizer, Workshop on Hopf algebras and Tensor Categories, UC San Diego, May 2017 (part of NSF Lie theory workshops).

Co-organizer of AMS Special Session on Ring Theory and Related Topics (Celebrating the 75th birthday of Lance Small), Riverside, CA, November 2017.

Co-organizer of the International Conference on Hopf Algebras and Tensor Categories, Nanjing University, September 2019.

Co-organizer of AMS Special Session on Quantum Groups, Hopf Algebras and Applications: in honor of Earl J. Taft, Salt Lake City, October 2022.

III. Professional Societies

(a) American Mathematical Society (AMS):

Member of Subcommittee to write rules for CAFTES (Committee on Academic Freedom, Tenure, and Employment Security) 1978-79

Member-at-Large of the Council, 1981-84.

Selection Committee for Research Fellow, 1982-84 (Chair, 83-84).

Board of Trustees, 1986-January 1996 (Chair, 1989 and 1994).

Policy Committee on Publications, 1994-95 (Chair of the Subcommittee on Books), and 1996-99 (Chair of the Committee, 1996-98).

Nominating Committee, 2006-09.

Vice-President, 2014-2017 (elected 2013).

(b) Association for Women in Mathematics (AWM):

Executive Committee 1975-76

Chair, Nominating Committee, 1982

Committee to select the Noether Lecturer, 1990-92, Chair 1992

Nominating Committee, 2009

Scientific Advisory Committee, 2015 - 2017

(c) Mathematical Association of America (MAA):

Visiting Lecturer, 1976-78.

Program Chairman, Southern California Section, 1978-79.

Committee to select the Ford Awards, 1991-1993 (Chair, 1992-93)

Committee to select AMS-MAA hour speakers for the annual meetings, 1995-97.

IV. Other Boards and Committees

NSF Division of Mathematical Sciences Advisory Committee, 1986-89

Board on Mathematical Sciences (BMS) of the National Research Council, 1995-1998; Executive Committee 97-98.

Review Committee for the Math Dept at the University of Pennsylvania, 1997

Review Committee for the Math Dept at the University of Minnesota-Duluth, 1998

Review Committee for the Math Dept at the University of Nebraska, Lincoln, 2001

Review Committee for Mathematics Research in Norway, Oslo, Norway 2002 (included four universities and two institutes)

Review Committee for the Math Dept at Pennsylvania State University, 2003.

Review Committee for the Math Dept at Loyola University of Chicago, 2006.

Review Committee for the Math Dept at UC Santa Cruz, 2008.
Representative to Math Sciences Research Institute (MSRI), Berkeley, from USC, 1999-06
NSA Panel to Award Research Grants in Mathematics, 2004-2006.
NSF-DMS Panel to Award Grants for Infrastructure in the Profession, 2006.
NSF-DMS Panel to Award Grants in Algebra, 2009.
NSA Panel to Award Research Grants in Mathematics, 2013-2014.
An international prize committee, 2018 and 2019 (members are asked to remain anonymous)

University Service

(a) Mathematics Department

Math Dept Language Exam Committee 1971-73
Math Dept Library Representative, and member of the Seaver Science Library Committee 1971-74
Putnam Exam coach/supervisor 1972-74
Math Dept Personnel Committee 1975
Math Dept Search Committee 1976, 1984, 2009-2011; Chair, 1986-87, 1989-90.
Math Dept Colloquium Chair, 1987-88
Math Dept Merit Committee, 1991-93 (Chair, 92-93)
Chair, Math Dept, 1996-99.
Math Dept Search Committee, 2007-2009.
Math Dept Merit Committee, 2012-2014.
Director of Graduate Studies, Jan 2015 - June 2023.

(b) Other USC service

Natural Sciences Division Personnel Committee 1978-80, 1990-92.
Humanities Division Personnel Committee 1981-83
Ad-hoc committee to review changes in the Computer Science Ph D program 1983
Member of Science and Engineering panel of the President's Advisory Committee on Promotions and Tenure (PACPT) 1984 (fall), 1986 - 88 (Chair 86-87)
USC Curriculum Committee 1974-76
USC Faculty Senate 1974-76, 78-80, and 1983-85; Subcommittee on Classes with large enrollments 75-76, Committee on Promotion and Tenure Policy 1983-84
USC Committee on the Buckley amendment 1975 Search Committee for Dean of the Natural Sciences and Mathematics Division, 1988-89.
University Committee on Appointments, Promotions, and Tenure (UCAPT); Chair, Fall 1993 through Fall 1995.
Academic Senate Committee on Reviews of Tenure-Track Faculty, 1998-99
Academic Senate Committee on the Status of Part-Time Faculty, 1999.
Provost's Committee on Academic Leadership Development 2000-01 (served on a panel discussion for Department Chairs sponsored by this committee).
Academic Senate Ad-hoc Committee on Non-Tenure-Track Faculty, 2002.

Chair, Science and Engineering Panel, University Committee on Appointments, Promotions, and Tenure (UCAPT), 2001-03.

Member of College Faculty Council, 2002-05; Vice-president, 03-04, President 04-05

Member of USC Academic Senate, representing the College, 2002-06

Member of University Research Committee, 2002-04.

Member of UCAR Review Committee for the USC Physics department, 2005.

Math Dept Merit Committee, 2004-2006; Chair, 2005-06.

USC Academic Senate Executive Board, 2006-07

Faculty representative to the University Crisis Team (disaster preparedness), 2005-12.

Member of USC Phi Beta Kappa committee, 2007-18

Provost's Committee on Women in Science and Engineering (WiSE), 2000-23.

Invited Lectures

1970

Algebra Seminar, UCLA (April)

1971

Colloquium, Rice University, Houston (April)

Colloquium, UC San Diego (May)

Colloquium, Rutgers University, New Brunswick (November)

Algebra Seminar, Carleton University, Ottawa, Canada (November)

1972

Southern California Algebra Conference, Harvey Mudd College, Pomona (May)

Colloquium, UC Riverside (May)

Algebra Seminar, Carleton University, Ottawa, Canada (June)

1973

AMS Special Session on Ring Theory, Dallas (January)

Ring Theory Seminar, University of Leeds, England (February) (part of the Leeds Ring Theory Year)

Ring Theory Meeting, Mathematics Research Institute, Oberwolfach, Germany (May)

Lecture series on Rings with Involution, Hebrew University of Jerusalem, Israel (April-May)

Algebra Seminar, Weizmann Institute of Science, Rehovot, Israel (May)

Ring Theory Conference, University of Chicago (July)

1974

Colloquium, Claremont Graduate School, Pomona (April)

1975

Ring Theory Seminar, University of Chicago (January)

1976

Southern California Number theory Seminar, UC Irvine (March)

Number Theory Seminar, Courant Institute, NYU (April)

Canadian Math Congress Summer Research Institute in Associative Rings and Algebras, Halifax, Nova Scotia (June)

Algebra Seminar, University of Texas, Austin (July)

1977

Midwest Ring Theory Seminar, Northern Illinois University, Dekalb (March)

Colloquium, DePaul University, Chicago (April)
Colloquium, University of Cincinnati (April)
Colloquium, University of Illinois at Chicago (May)
Ring Theory Seminars, University of Chicago (April–May, August)
Algebra Colloquium, Cambridge University, England (October)
Algebra Seminar, University of Leeds, England (October)
Algebra Seminar, Bedford College, University of London, England (October)
Two seminar lectures in the Ring Theory Year, Institute for Advanced Studies, Hebrew University of Jerusalem (October and December)
Colloquium, Ben Gurion University of the Negev, Israel (December)
Colloquium, University of Haifa, Israel (December)

1978

Colloquium, Weizmann Institute of Science, Rehovot, Israel (January)
Colloquium, Bar Ilan University, Ramat Gan, Israel (January)
AMS Special Session on Ring Theory, Columbus, Ohio (March)
Group Rings Seminar. Caltech (May)
Group Rings Conference, University of Edmonton, Alberta, Canada (June)
NATO Advanced Study Institute in Ring Theory, University of Antwerp, Belgium (August)

1979

Colloquium, Memorial University, St. John's, Newfoundland, Canada (January)
Algebra Seminar, Carleton University, Ottawa, Canada (January)
Denison Ring Theory Conference (of Ohio State University), Denison, Ohio (April)
Colloquium, University of Texas, Austin (April)
SRC Ring Theory Conference, Durham University Durham, England (July)

1980

Algebra Day, University of Essen, Germany (June)

1981

Colloquium, University of Massachusetts, Amherst
Algebraic Geometry Seminar, MIT
Colloquium and Algebra Seminar, University of Wisconsin, Madison
Algebra Seminar and Colloquium, University of Leeds, England
Scottish Algebra Colloquium, Edinburgh
Seminaire d'Algebre, Institut Henri Poincare, University of Paris VI
Algebra Workshop, Hebrew University of Jerusalem
AMS Special Session, Pittsburgh
Colloquium, Michigan State University
Claremont Graduate School/Pomona College

1982

Colloquium and Algebra Seminar, University of Texas, Austin
Colloquium and Algebra Seminar, Ben Gurion University, Beer Sheva, Israel
Algebra seminar, Weizmann Institute, Rehovot, Israel
MAA Invited Hour Address, AMS-MAA Summer Meeting, Toronto
Algebra seminar, Columbia University
Colloquium, Virginia Tech(VPI&SU)

Colloquium, UC San Diego

1983

Operator Algebras Seminar, UCLA
Noetherian Rings meeting, Oberwolfach, Germany
AMS Special Session, Norman, Oklahoma
AMS Special Session, Salt Lake City
NATO Advanced Study Institute in Ring Theory, Antwerp, Belgium
Colloquium, University of Edmonton
Colloquium, University of British Columbia
Colloquium, UCLA

1984

AMS Invited Hour Address, AMS Annual Meeting, Louisville, Kentucky
AMS-IMS-SIAM Joint Summer Research Conference on Group Action on Rings, Bowdoin, Maine.

1985

Distinguished Lecturer, Trinity University, San Antonio
Algebra Seminar, University of Texas, Austin
Colloquium and Algebra seminar, UC San Diego
Supporting Lecturer, CBMS Conference on Group Rings, Crossed Products and Galois Theory (D. S. Passman, Principal Lecturer), Mankato, Minn
Midwest Ring Theory Conference, Madison, Wisconsin.
Algebra Seminar (two lectures), University of Wisconsin, Madison
Colloquium, University of Michigan
Colloquium, Wayne State University
Colloquium, University of Chicago
Colloquium and Algebra seminar, University of Cincinnati

1986

Colloquium, University of Trondheim, Norway
Joint seminar on algebra and operator algebras, University of Trondheim, Norway
Ring theory meeting, Oberwolfach, Germany
SERC Workshop on Noncommutative Rings, Leeds, England
AMS Special Session on Invariant Theory, Denton, Texas

1987

Meeting to honor I. N. Herstein, University of Chicago
NATO workshop on Perspectives in Ring Theory, Antwerp, Belgium
AMS Special Session, Salt lake City
Algebra Seminar, UC Santa Barbara
Algebra seminar, Yale University

1988

Two lectures at the Algebra Semester, Stefan Banach Mathematical Center, Warsaw, Poland
Three lectures, Beijing Normal University, China
Nankai Institute of Mathematics, Tienjin, China

Colloquium and a 3-lecture short course, University of New South Wales, Sydney, Australia

Ring Theory Seminar, Brandeis University

1989

Hopf Algebra meeting, Sde Boker, Israel (a satellite meeting to the Amitsur retirement conference, Tel Aviv)

Algebra Seminar and Colloquium, Rutgers University

Ring theory meeting, Oberwolfach, Germany

Algebra Seminar, University of Munich, Germany

MSRI Microprogram on Non-commutative Rings, Berkeley

Algebra seminar, University of Texas, Austin

1990

Algebra Seminar, University of Michigan

Azumaya 70th Birthday Conference, Bloomington, Indiana

AMS-IMS-SIAM Joint Summer Research Conference on Deformation Theory of Algebras and Quantization, with Applications to Physics, Amherst, MA

Supporting lecturer, CBMS Conference on Polynomial Identities and the Invariants of $n \times n$ matrices (E. Formanek, Principal Lecturer), Chicago

Colloquium, UCLA

1991

AMS Special Session, San Francisco

University of Washington, Seattle

Mini-course on Hopf Algebras (10 lectures), Beijing Teacher's College

International Conference in Algebra in Honor of A. I. Shirshov, Barnaul, USSR

Mid-Atlantic Algebra Conference on Quantum Groups, Wake Forest University, Winston-Salem, NC

AMS Special Session, Philadelphia

AMS Special Session, Santa Barbara

Functional analysis seminar, UCLA

1992

Colloquium, Northern Illinois University

SERC Symposium on New Directions in Non-commutative Rings, Durham, England

Principal Lecturer, CBMS Conference on Hopf Algebras and their Actions on Rings, Chicago

University of California Lie Algebras Conference, UC Riverside

1993

AMS Special Session, San Antonio

AMS Special Session, Salt Lake City

Algebra Seminar, UC Berkeley

Gauss Symposium, University of Munich, Germany

Dozor Lecture, Ben Gurion University, Beer Sheva, Israel

Non-commutative rings and representation theory meeting, Oberwolfach, Germany

1994

Algebra seminar, University of Limburg, Belgium

Algebra seminar, University of Antwerp, UIA
Algebra seminar, University of Munich (two lectures)
Colloquium, Temple University, Philadelphia

1995

AMS Special Session, San Francisco
AMS Special Session, Chicago
UScience Days Algebra Meeting, Antwerp, Belgium
Mini-course (3 lectures), University of Ferrara, Italy
EEC Workshop on Quantum Groups, Enveloping Algebras, and Representation Theory,
University of Ferrara, Italy
Hour address, Joint Meeting of the AMS and the Israel Math Union, Jerusalem, Israel
Martindale Retirement Meeting, CSU Northridge
Special Session, AMS Joint Meeting with the Sociedad Matematica Mexicana (SMM)
Guanajuato, Mexico

1996

Algebra Seminar, University of Munich
Quantum groups seminar, University of Leipzig, Germany
Seminaire de Algebre, Institut Henri Poincare, University of Paris VI
University of California Lie Theory meeting, UC Santa Cruz.
Mini-course ("Vortragsreihe"), University of Munich (10 lectures)
Joint Colloquium, University of Munich and Technical University Munich

1997

Colloquium, Virginia Tech
Conference on Non-commutative Projective Geometry and Ring Theory, U. of Washing-
ton, Seattle.
AMS-IMS-SIAM Joint Summer Research Conference on Representation Theory of Finite-
dimensional Algebras, Seattle
Meeting on Noetherian Rings and Representation Theory, Oberwolfach, Germany
AMS-SMM Invited Hour Address, Annual Meeting of the Sociedad Matematica Mexi-
cana, Aguas Calientes, Mexico.

1998

Colloquium, CSU San Bernardino
AMS Special Session, Philadelphia
EU Conference on Hopf Algebras and Quantum Groups, Free University of Brussels,
Belgium.
AMS Special Session, Winston-Salem, NC
Algebra Seminar, Virginia Tech

1999

Colloquium, Yale University
Algebra Seminar, Yale University
AMS-SMM (Sociedad Matematica Mexicana) Special Session, Denton, Texas
Algebra Seminar, University of Munich
LMS Symposium on Quantum Groups, Durham, England
Three hour lectures, 1999 AMS Von Neumann Symposium on Arithmetic Fundamental
Groups and Non-commutative Algebra, MSRI, Berkeley

Colloquium, UC Berkeley
Lie groups seminar, UC Berkeley

2000

Hopf algebras seminar, MSRI, Berkeley
Two algebra seminars and one colloquium, UNAM branch in Morelia, Mexico.
Three hour lectures, NATO Workshop on Algebra and Representation Theory, Constanta, Romania
EU Conference on Rings, Modules, and Representations, Constanta, Romania
Conference on Lie algebras in honor of Marshall Osborn, U. Wisconsin, Madison

2001

Atlantic Association for Research in the Mathematical Sciences (=AARMS) Conference on Groups, Rings, Lie, and Hopf Algebras, Memorial University, St. Johns, Newfoundland, Canada; two lectures, one an ordinary lecture and the other the AARMS Lecture.
Algebra Seminar, University of Munich
Colloquio Latinoamericano de Algebra, Cordoba, Argentina

2002

Hopf Algebras Meeting, De Paul University
Algebra Seminar, Yale University
Non-commutative Algebra meeting in Oberwolfach, Germany
EU conference on Hopf Algebras and Quantum Groups, Brussels, Belgium

2003

AMS Special Session on Non-commutative Algebra, Baltimore, January
Algebra Seminar, University of Michigan, Ann Arbor.
Conference on Interactions between Representation Theories, Knot Theory, Topology, Quantum Field theory, Category theory, and Mathematical Physics, SUNY Potsdam; two lectures (one general, one more specialized).
Latin American Algebra Conference (meets every two years), Cocoyoc, Mexico.

2004

Colloquium, Claremont Colleges, January.
Program on Non-commutative Geometry, Institute Mittag-Leffler, Stockholm, Sweden, March; two lectures (one general, one more specialized).
Joint Colloquium, Chalmers University and University of Gothenburg, Sweden, April.
Special Session on Hopf Algebras and Related Topics, Summer Meeting of the Canadian Math Society, Halifax, Nova Scotia, Canada, June .
Workshop on Non-Commutative Algebra and its Applications, University of Warwick, Coventry, UK, July.
Colloquium, CSU Dominguez Hills, September
Joint Algebra Seminar, DePaul University and University of Illinois at Chicago, October
Algebra Seminar, UCSD, La Jolla, November

2005

AMS Invited Hour Address, AMS Sectional Meeting, Bowling Green, Kentucky, March
University of California Lie Theory Meeting, UC Santa Cruz, April
Algebra Meeting in honor of D. S. Passman's 65th Birthday, Madison, Wisconsin, June
XVI Colloquio Latinoamericano de Algebra, Colonia, Uruguay, August
Lie Groups Seminar, University of Cordoba, Argentina, August

PIMS Meeting on Non-commutative Algebraic Geometry, Banff, Canada, September
Colloquium, UCSD, La Jolla, November

2006

Algebra Meeting in honor of L. W. Small's 65th Birthday, UC San Diego, February
Meeting on the interaction of non-commutative algebra and algebraic geometry, Oberwolfach, Germany, May
Representation Theory Seminar, Weizmann Institute, Israel, June
Algebra Meeting in Memory of S. A. Amitsur, Bar-Ilan University, Israel, June
Ring Theory Seminar, Bar-Ilan University, Israel, June

2007

Hopf Algebras Seminar (Oberseminar Schneider), University of Munich, May
International Algebra Meeting, Beijing Technical University, Beijing, China, July
Algebra Seminar, Fudan University, Shanghai, China, July
Algebra Seminar, Michigan State University, East Lansing, October
Special Session on Hopf algebras and quantum groups, Joint AMS-NZMS meeting, Wellington, New Zealand, December

2008

AMS Special Session on the interaction of non-commutative algebra and algebraic geometry, San Diego, January
UC Lie Groups and Lie Algebras meeting (in honor of Georgia Benkart), UC San Diego, February
New Topological Contexts for Galois Theory and Algebraic Geometry (lecture series), PIMS, Banff, Canada, March
Algebra Seminar, DePaul University, Chicago, May
Colloquium, DePaul University, Chicago, May
Conference on Vertex algebras and related topics (in honor of Geoffrey Mason), Illinois State University, Normal, Illinois, July
Colloquium (Women in Science Distinguished Lecturer), Iowa State University, Ames, Iowa, September
Interactions between Non-commutative Algebra and Algebraic Geometry, PIMS, Banff, Canada, October

2009

Plenary Lecture, Canadian Math Society Summer Meeting, St. Johns, Newfoundland, June
Mt. Allison University Algebra Day, Sackville, New Brunswick, Canada, June
AMS Special Session on the interaction of non-commutative algebra and algebraic geometry, Riverside, CA, November

2010

Conference on Hopf algebras and non-commutative rings (in honor of Miriam Cohen), Sde Boker, Israel, May
Conference on New Trends in Non-commutative Algebra, University of Washington, Seattle, August

2011

Noether Lecturer, Joint Math Meetings, New Orleans, January
Conference on Hopf Algebras and Tensor Categories, University of Almeria, Spain, July

AMS Special Session on Non-commutative Geometry and Algebra, Salt Lake City, October

2012

AMS Special Session on Tensor Categories and Representation Theory, Annual Meeting, Boston, January

Algebra Seminar, UCSD, May

Workshop on Non-commutative Invariant Theory, University of Washington, Seattle, May

AMS Special Session on Quantum Groups and Non-commutative Algebraic Geometry, Tulane, New Orleans, October

2013

Special Session on Hopf Algebras and Tensor Categories, Canadian Math Society summer meeting, Halifax, Nova Scotia, June.

Invited speaker at Special Sessions at the AMS-Romanian Math Society meeting and at the Math Congress of the Americas (both cancelled at the last minute due to medical problems)

Algebra Seminar, UCSD, December

2014

Meeting on Noetherian Hopf algebras, University of Washington, March.

Oberwolfach Workshop on Infinite Dimensional Hopf algebras, April.

Non-commutative Algebraic Geometry Workshop 2014, Fudan University, Shanghai, August.

Colloquium, Louisiana State University, October 2014

AMS Special Session on Representation Theory, San Francisco, October 2014

2015

Colloquium, UCLA, May 2015

AMS Special Session on Groups, Rings, Group Rings, and Hopf Algebras (in honor of Donald Passmans' 75th birthday), 45 minute talk, Chicago, October 2015.

2016

AMS Special Session on Interactions between noncommutative algebra, algebraic geometry and representation theory, JMM, Seattle 2016.

USA-Mexico Conference on Representation Theory, Categorification and Non-commutative algebra, USC, May 2016.

Workshop on Hopf algebras, algebraic groups, and related topics, Memorial University, St. John's, Newfoundland, June 2016.

Workshop on Hopf algebras and Tensor Categories, Chern Institute, Tianjin, China, September 2016

Workshop on Hopf actions, University of Tsukuba, Japan, September 2016.

2017

Conference on Advances in Noncommutative Algebra, Bar-Ilan University, Tel Aviv, Israel, June 2017

2018

Conference in honor of 70th birthday of Geoffrey Mason, Sacramento State, June 2018

2019

Principal speaker at Maurice Auslander Memorial Algebra Conference, Woods Hole, MA, April 2019.

Conference on Hopf Algebras and Quantum Groups, Nanjing, China, August 2019.

2020

Plenary Lecture for Quantum Symmetries: Connections for Women, MSRI, January 2020

2021

AMS Special Session on Hopf algebras and tensor categories (virtual), January 2021

CMS Summer Meeting, Special Session on Hopf algebras, tensor categories, and related topics (virtual), June 2021

2022

Richard Block Distinguished Lecture, UC Riverside, April 2022

PUBLICATIONS

Books and Special Issues

1. S. Montgomery and E. W. Ralston (co-chairs of editorial committee), *Selected Papers on Algebra*, Raymond W. Brink Selected Mathematical Papers, Vol. 3, Mathematical Association of America, Washington D. C. 1977.
2. S. Montgomery, *Fixed Rings of Finite Automorphism Groups of Associative Rings*, Lecture Notes in Mathematics, Vol. 818, Springer-Verlag, New York 1980 (126 pages).
3. S. Montgomery (editor), *Group Actions on Rings*, Proceedings of Joint Summer Research Conference, Contemporary Mathematics, Vol. 43, American Math Society, Providence 1985.
4. S. Montgomery and L. W. Small (co-editors), *Non-Commutative Rings*, MSRI Publications vol. 24, Springer-Verlag, New York 1992.
5. S. Montgomery, *Hopf Algebras and Their Actions on Rings*, CBMS Lecture Notes Vol. 82, American Math Society, Providence 1993 (238 pages).
6. J. Bergen and S. Montgomery (co-editors), *Advances in Hopf Algebras*, Lecture Notes in Pure and Applied Mathematics vol. 158, Marcel Dekker, New York, 1994.
7. S. Montgomery and H.-J. Schneider, *New Directions in Hopf Algebras*, MSRI Publications vol. 43, Cambridge University Press, 2002.
8. S. Montgomery, L. Rowen and H.-J. Schneider (co-editors), Special Issue of *Communications in Algebra* in honor of Miriam Cohen, vol. 39, no. 12, Taylor and Francis 2011.
9. N. Andruskiewitsch, Gongxiang Liu, S. Montgomery, and Yinhuo Zhang (co-editors), *Hopf Algebras, Tensor Categories, and Related Topics*, *AMS Contemporary Math 771*, AMS, 2021.

Papers

1. S. Montgomery, Left and right inverses in group algebras, *AMS Bulletin* 75 (1969), 539-540.

2. S. Montgomery, Lie structure of simple rings of characteristic 2, *J. of Algebra* 15 (1970), 387-407.
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4. S. Montgomery, Polynomial identity algebras with involution, *AMS Proceedings* 27 (1971), 53-56.
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11. S. Montgomery, Rings with involution in which every trace is nilpotent or regular, *Canadian J. Math.* 26 (1974), 130-137.
12. S. Montgomery, Rings of quotients for a class of special Jordan rings, *J. of Algebra* 31 (1974), 154-165.
13. S. Montgomery, Chain conditions on symmetric elements, *AMS Proceedings* 46 (1974), 325-331.
14. S. Montgomery, Centralizers satisfying polynomial identities, *Israel J. Math.* 18 (1974), 207-219.
15. S. Montgomery and M. K. Smith, Algebras with a separable subalgebra whose centralizer satisfies a polynomial identity, *Communications in Algebra* 3 (1975), 151-168.
16. S. Montgomery, Centralizers of separable subalgebras, *Michigan Math. J.* 22 (1975), 15-24.
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18. M. Cohen and S. Montgomery, Semi-simple Artinian rings of fixed points, *Canadian Math. Bulletin* 18 (1975), 189-190.

19. S. Montgomery, The Jacobson radical and fixed rings of automorphisms, *Comm. in Algebra* 4 (1976), 459-465.
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22. S. Montgomery, Invariant subgroups of rings with involution, *Canadian J. Math.* 30 (1978), 350-357.
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24. J. W. Fisher and S. Montgomery, Semiprime skew group rings, *J. of Algebra* 52 (1978), 241-247.
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Non-mathematical publications

1. E. M. Drews and S. Montgomery, Creative and academic performance in gifted adolescents, *The High School Journal* 48 (2) (1964), 94-101.