MEETINGS IN THIS ISSUE

The Meetings and Conferences section of the Notices gives information on all AMS meetings and conferences approved by press time for this issue. Please refer to the page numbers cited on this page for more detailed information on each event. Invited Speakers and Special Sessions are listed as soon as they are approved by the cognizant program committee; the codes listed are needed for electronic abstract submission. For some meetings the list may be incomplete. Information in this issue may be dated.

The most up-to-date meeting and conference information can be found online at: www.ams.org/meetings/

Important Information About AMS Meetings: Potential organizers, speakers, and hosts should refer to page 88 in the January 2016 issue of the Notices for general information regarding participation in AMS meetings and conferences.

Abstracts: Speakers should submit abstracts on the easy-to-use interactive Web form. No knowledge of \LaTeX{} is necessary to submit an electronic form, although those who use \LaTeX{} may submit abstracts with such coding, and all math displays and similarly coded material (such as accent marks in text) must be typeset in \LaTeX{}. Visit www.ams.org/cgi-bin/abstracts/abstract.pl/. Questions about abstracts may be sent to abs-info@ams.org. Close attention should be paid to specified deadlines in this issue. Unfortunately, late abstracts cannot be accommodated.

MEETINGS & CONFERENCES OF THE AMS

SEPTEMBER TABLE OF CONTENTS

The most up-to-date meeting and conference information can be found online at: www.ams.org/meetings/

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ASSOCIATE SECRETARIES OF THE AMS

Central Section: Georgia Benkart, University of Wisconsin-Madison, Department of Mathematics, 480 Lincoln Drive, Madison, WI 53706-1388; e-mail: benkart@math.wisc.edu; telephone: 608-263-4283.

Eastern Section: Steven H. Weintraub, Department of Mathematics, Lehigh University, Bethlehem, PA 18015-3174; e-mail: steve.weintraub@lehigh.edu; telephone: 610-758-3717.

Southeastern Section: Brian D. Boe, Department of Mathematics, University of Georgia, 220 D W Brooks Drive, Athens, GA 30602-7403, e-mail: brian@math.uga.edu; telephone: 706-542-2547.

Western Section: Michel L. Lapidus, Department of Mathematics, University of California, Surge Bldg., Riverside, CA 92521-0135; e-mail: lapidus@math.ucr.edu; telephone: 951-827-5910.

See www.ams.org/meetings/ for the most up-to-date information on these conferences.

CONFERENCES IN COOPERATION WITH THE AMS

Indian Mathematics Consortium

December 14-17, 2016

Banaras Hindu University

Varanasi, India
Meetings & Conferences of the AMS

Brunswick, Maine
Bowdoin College

September 24–25, 2016
Saturday – Sunday

Meeting #1121
Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: June 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 3

Deadlines
For organizers: Expired
For abstracts: Expired

The scientific information listed below may be dated.
For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
Tim Austin, New York University, Szemerédi’s Theorem: combinatorics, ergodic theory and algebra.
Moon Duchin, Tufts University, Counting in groups: Fine asymptotic geometry.
Thomas Lam, University of Michigan, Combinatorics of electrical networks.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Algebraic and Enumerative Combinatorics, Thomas Lam, University of Michigan, and Thomas McConville, Massachusetts Institute of Technology.


Combinatorial Aspects of Nilpotent Orbits, Anthony Iarrobino, Northeastern University, Leila Khatami, Union College, and Julianna Tymoczko, Smith College.

Combinatorics, at the Crossroads of Algebra, Geometry, and Topology, Ivan Martin, University of Fribourg (Switzerland), and Alexander I. Suciu, Northeastern University.

Convex Cocompactness, Tarik Aougab and Sara Maloni, Brown University.

Decomposing 3-manifolds, Tao Li, Boston College, and Scott Taylor, Colby College.

Financial Mathematics, Maxim Bichuch, Johns Hopkins University, and Stephan Strum and Xuwei Yang, Worcester Polytechnic Institute.

Geometric Aspects of Harmonic Analysis, Matthew Badger and Vasileios Chousionis, University of Connecticut.

Geometric Group Theory, Charles Cunningham, Bowdoin College, Moon Duchin, Tufts University, and Jennifer Taback, Bowdoin College.

Geometry of Nilpotent Groups, Moon Duchin, Tufts University, Jennifer Taback, Bowdoin College, and Peter Wong, Bates College.

Mathematics and Statistics Applied to Biology and Related Fields, Meredith L. Greer, Bates College.

New Developments in Graphs and Hypergraphs, Deepak Bal and Jonathan Cutler, Montclair State University, and Jozef Skokan, London School of Economics.

Noncommutative Ring Theory and Noncommutative Algebra, Jason Gaddis, Wake Forest University, and Manuel Reyes, Bowdoin College.
Nonlinear Partial Differential Equations in Material Science and Mathematical Biology, Leonid Berlyand, Pennsylvania State University, Dmitry Golovaty, University of Akron, and Alex Misiats, New York University.

Nonlinear Waves and Dynamical Systems, Christopher Chong, Bowdoin College.

Plenthsym and Kronecker Products in Representation Theory, Susanna Fishel, Arizona State University, and Sheila Sundaram, Pierrepont School.

Topological Phases of Matter and Quantum Computation, Paul Brillard and Carlos Ortiz, Pacific Northwest National Laboratory, and Julia Plavnik, Texas A&M University.

Undergraduate Research, Christopher Chong and Adam Levy, Bowdoin College.

Denver, Colorado

University of Denver

October 8–9, 2016
Saturday – Sunday

Meeting #1122
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: August 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 3

Deadlines
For organizers: Expired
For abstracts: August 16, 2016

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/section1.html.

Invited Addresses
  Henry Cohn, Microsoft Research, New England, Title to be announced.
  Ronny Hadani, University of Texas, Austin, Title to be announced.
  Chelsea Walton, Temple University, Philadelphia, Quantum Symmetry.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Algebraic Combinatorics (Code: SS 23A), Anton Betten, Colorado State University, Jason Williford, University of Wyoming, and Bangteng Xu, Eastern Kentucky University.

Algebraic Logic (Code: SS 1A), Nick Galatos, University of Denver, and Peter Jipsen, Chapman University.

Analysis on Graphs and Spectral Graph Theory (Code: SS 2A), Paul Horn and Mei Yin, University of Denver.

Aspects of PDE Arising From Modeling of the Flows in Porous Media (Code: SS 19A), Akif Ibragimov, Texas Tech University, Viktoria Savatorova, University of Nevada, Las Vegas, and Aleksey Telyakovskiy, University of Nevada, Reno.

Discontinuous Galerkin methods for partial differential equations: Theory and applications (Code: SS 15A), Mouboub Baccouch, University of Nebraska at Omaha.

Floer Theoretic Invariants of 3-manifolds and Knots (Code: SS 22A), Jonathan Hanselman, University of Texas at Austin, and Kristen Hendricks, University of California, Los Angeles.

Foundations of Numerical Algebraic Geometry (Code: SS 14A), Abraham Martin del Campo, CIMAT, Guanajuato, Mexico, and Frank Sottile, Texas A&M University.

Groups and Representation Theory (Code: SS 20A), C. Ryan Vinroot, College of William and Mary, Julianne Rainbolt, Saint Louis University, and Amanda Schaeffer Fry, Metropolitan State University of Denver.

Integrable Systems and Soliton Equations (Code: SS 17A), Anton Dzhamay, University of Northern Colorado, and Patrick Shipman, Colorado State University.

Nonassociative Algebra (Code: SS 3A), Izabella Stuhl, University of Debrecen and University of Denver, and Petr Vojtěchovský, University of Denver.

Noncommutative Geometry and Fundamental Applications (Code: SS 4A), Frederic Latremoliere, University of Denver.

Nonlinear Wave Equations and Applications (Code: SS 18A), Mark J. Ablowitz, University of Colorado Boulder, and Barbara Prinari, University of Colorado Colorado Springs.

Nonlinear and Stochastic Partial Differential Equations (Code: SS 13A), Michele Coti Zelati, University of Maryland, Nathan Glatt-Holtz, Virginia Polytechnic Institute and State University, and Geordie Richards, University of Rochester.

Operator Algebras and Applications (Code: SS 5A), Alvaro Arias, University of Denver.

Quantum Algebra (Code: SS 11A), Chelsea Walton, Temple University, Ellen Kirkman, Wake Forest University, and James Zhang, University of Washington, Seattle.

Random Matrices, Integrable Systems, and Applications (Code: SS 16A), Sean D. O’Rourke, University of Colorado Boulder, and David Renfrew, University of California, Los Angeles.

Recent Advances in Structural and Extremal Graph Theory (Code: SS 21A), Michael Ferrara, Stephen Hartke, Michael Jacobson, and Florian Pfender, University of Colorado Denver.

Recent Trends in Semigroup Theory (Code: SS 6A), Michael Kinyon, University of Denver, and Ben Steinberg, City College of New York.
Minneapolis, Minnesota

University of St. Thomas (Minneapolis campus)

October 28–30, 2016
Friday – Sunday

Meeting #1123
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: August 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 4

Deadlines
For organizers: Expired
For abstracts: August 30, 2016

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses

Thomas Nevins, University of Illinois Urbana-Champaign, Algebraic Symplectic Varieties, Classical and Quantum.

Charles Rezk, University of Illinois Urbana-Champaign, On Some Approximations to Homotopy Theory.

Christof Sparber, Department of Mathematics, Statistics & Computer Science, University of Illinois at Chicago, Semiclassical quantum dynamics via Bohmian trajectories.

Samuel Stechmann, University of Wisconsin-Madison, Stochastic PDEs for Tropical Weather and Climate.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Advances in Algebraic Coding Theory (Code: SS 11A), Sarah E. Anderson, University of St. Thomas, and Katie Haymaker, Villanova University.

Chip-Firing and Divisors on Graphs and Complexes (Code: SS 3A), Caroline Klivans, Brown University, and Gregg Musiker and Victor Reiner, University of Minnesota.

Unimodularity in Randomly Generated Graphs (Code: SS 8A), Florian Sobieczky, University of Denver.

Vertex Algebras and Geometry (Code: SS 9A), Andrew Linshaw, University of Denver, and Thomas Creutzig and Nicolas Guay, University of Alberta.

Zero Dimensional Dynamics (Code: SS 10A), Nic Ormes and Ronnie Pavlov, University of Denver.

Combinatorial Matrix Theory (Code: SS 18A), Adam Berliner, St. Olaf College, Brenda Kroschel, University of St. Thomas, and Nathan Warnberg, University Wisconsin-LaCrosse.

Combinatorial Representation Theory (Code: SS 5A), Michael Chmutov, University of Minnesota, Tom Halverson, Macalester College, and Travis Scrimshaw, University of Minnesota.

Discrete Structures: Analysis and Applications (IMA Reunion) (Code: SS 15A), Leslie Hogben and Ryan Martin, Iowa State University, and Elisabeth Werner, Case Western Reserve University.

Effective Mathematics in Discrete and Continuous Worlds (Code: SS 16A), Wesley Calvert, Southern Illinois University, and Timothy McNicholl, Iowa State University.

Enumerative Combinatorics (Code: SS 4A), Eric Egge, Carleton College, and Joel Brewster Lewis, University of Minnesota.

Extremal and Probabilistic Combinatorics (Code: SS 13A), Andrew Beveridge, University of Nebraska - Lincoln, Jamie Radcliffe, University of Minnesota, Twin Cities, and Michael Young, Iowa State University.

Geometric Flows, Integrable Systems and Moving Frames (Code: SS 2A), Joseph Benson, St. Olaf College, Gloria Mari-Belha, University of Wisconsin-Madison, Peter Olver, University of Minnesota, and Rob Thompson, Carleton College.

Integrable Systems and Related Areas (Code: SS 8A), Sam Evens, University of Notre Dame, Luen-Chau Li, Pennsylvania State University, and Zhaohu Nie, Utah State University.

Knotting in Physical Systems, in celebration of Kenneth C. Millett’s 75th birthday (Code: SS 14A), Jorge Alberto Calvo, Ave Maria University, and Eric Rawdon, University of St. Thomas.


Modeling and Predicting the Atmosphere, Oceans, and Climate (Code: SS 1A), Sam Stechmann, University of Wisconsin-Madison.

Multiple-scale Phenomena in Linear and Nonlinear Partial Differential Equations (Code: SS 23A), Zaher Hani, Georgia Tech, and Christof Sparber, University of Illinois at Chicago.

New Developments in the Analysis of Nonlocal Operators (Code: SS 6A), Donatella Danielli and Arshak Petrosyan, Purdue University, and Camelia Pop, University of Minnesota.

Noncommutative Algebras and Their Representations (Code: SS 20A), Miodrag Iovanov and Ryan Kinser, University of Iowa, and Peter Webb, University of Minnesota.

Quantum Field Theories and Geometric Representation Theory (Code: SS 22A), Emily Cliff, University of Oxford, and Thomas Nevins, University of St. Thomas.

Representation Theory, Automorphic Forms and Related Topics (Code: SS 7A), Kwangho Choly, Southern Illinois
University, Dihua Jiang, University of Minnesota, and Shuichiro Takeda, University of Missouri.

Symplectic Geometry and Contact Geometry (Code: SS 9A), Tian-Jun Li and Cheuk Yu Mak, University of Minnesota, and Ke Zhu, Minnesota State University.

The Topology of 3- and 4-Manifolds (Code: SS 17A), Maggy Tomova, University of Iowa, and Alexander Zupan, University of Nebraska-Lincoln.

Topology and Arithmetic (Code: SS 10A), Tyler Lawson and Craig Westerland, University of Minnesota, Twin Cities.

Topology and Physics (Code: SS 12A), Ralph Kaufmann, Purdue University, and Alexander Voronov, University of Minnesota, Twin Cities.

Women in Analysis and Partial Differential Equations (Code: SS 24A), Svitlana Mayboroda, University of Minnesota.

p-Adic Analysis in Number Theory (Code: SS 19A), C. Douglas Haessig, University of Rochester, and Steven Sperber, University of Minnesota.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Advances in Numerical Methods for Partial Differential Equations (Code: SS 7A), Andreas Aristotelous, West Chester University, and Thomas Lewis, The University of North Carolina at Greensboro.


Applied Algebraic Geometry (Code: SS 15A), Seth Sullivant and Agnes Szanto, North Carolina State University.

Commutative Ring Theory (in honor of Jay Shapiro's retirement) (Code: SS 21A), Neil Epstein, George Mason University, and Alan Loper, Ohio State University.


Control, Optimization, and Differential Games (Code: SS 12A), Lorena Bociu, North Carolina State University, and Tien Khai Nguyen, Penn State University.

Difference Equations and Applications (Code: SS 2A), Michael A. Radin, Rochester Institute of Technology, and Yousuf Raffoul, University of Dayton.

Geometry and Topology in Image and Shape Analysis (Code: SS 13A), Irina Kogan, North Carolina State University, and Facundo Mémoli, The Ohio State University.


Harmonic Analysis and Dispersive PDE (Code: SS 18A), Robert Booth, Jason Metcalfe, and Katrina Morgan, University of North Carolina.

Homological Methods in Commutative Algebra (Code: SS 1A), Alina Iacob and Saeed Nasseh, Georgia Southern University.

Low-dimensional Topology (Code: SS 9A), Caitlin Levenson, Georgia Tech, Tye Lidman, North Carolina State University, and Leonard Ng, Duke University.

Mathematical Modeling of Infectious Disease and Immunity (Code: SS 11A), Lauren Childs, Virginia Tech and Harvard Chan School of Public Health, and Stanca Ciupu, Virginia Tech.

Mathematical String Theory (Code: SS 3A), Paul Aspinwall, Duke University, Ilarion Melnikov, James Madison University, and Eric Sharpe, Virginia Tech.

Metric and Topological Oriented Fixed Point Theorems (Code: SS 5A), Clement Boateng Ampadu, Boston, MA, Sartaj Ali, National College of Business Administration and Economics, Lahore, Pakistan, Xiaorong Liu, University of Colorado at Boulder, and Xavier Alexis Udo-Utun, University of Uyo, Uyo, Nigeria.

Recent Advances in Stochastic Processes and Stochastic Computation (Code: SS 20A), Jianfeng Lu and James Nolen, Duke University, and Kostas Spiliopoulos, Boston University.

Representations of Lie Algebras, Quantum Groups and Related Topics (Code: SS 8A), Naihuan Jing and Kailash C. Misra, North Carolina State University.

Set Theoretic Topology (Code: SS 14A), Alan Dow, UNC-Charlotte, and Jerry Vaughan, UNC-Greensboro.

Structural and Computational Graph Theory (Code: SS 19A), Stephen Harte, University of Colorado Denver, and Bernard Lidicky, Iowa State University.

The Analysis of Inverse Problems and their Applications (Code: SS 17A), Shitao Liu, Clemson University, and Loc Nguyen, University of North Carolina.

Varieties, Their Fibrations and Automorphisms in Mathematical Physics and Arithmetic Geometry (Code: SS 4A), Jimmy Dillies and Enka Lakuriqi, Georgia Southern University, and Tony Shaska, Oakland University.

Accommodations

Participants should make their own arrangements directly with the hotel of their choice. Special discounted rates were negotiated with the hotels listed below. Rates quoted do not include a room tax of 12.75 percent. Participants must state that they are with the American Mathematical Society (AMS) Meeting at North Carolina State University to receive the discounted rate. The AMS is not responsible for rate changes or for the quality of the accommodations. Hotels have varying cancellation and early checkout penalties; be sure to ask for details.

Aloft Raleigh (.3 mi from SAS Hall on North Campus), 2100 Hillsborough Street, Raleigh, NC 27607; online: www.aloftraleigh.com or by phone: 919-828-9900. Rates are US$149 for a standard room and US$199.99 for a suite. Aloft is located across the street from North Carolina State University’s Bell Tower and minutes to downtown. All rooms include free wireless internet.

Please cite the American Mathematical Society code: AMS when making your reservation. All rooms offer complimentary wireless internet, complimentary breakfast and complimentary parking. Deadline for reservations is October 21, 2016.

Holiday Inn Express Hotel & Suites (3.4 mi from SAS Hall on North Campus) 3741 Thistledown Drive, Raleigh, NC 27606, online: www.hiexpress.com/raleighnc or by phone: 919-854-0001. Rates are US$104.99 for a standard room and US$129.99 for a suite. Please cite the American Mathematical Society code: AMS when making your reservation. All rooms and suites offer complimentary wireless internet, complimentary breakfast and complimentary parking. The Holiday Inn Express & Suites’s amenities include a business center, a fitness center, and an outdoor pool. Deadline for reservations is October 21, 2016.

Ramada Inn Blue Ridge (3.6 mi from SAS Hall on North Campus) 1520 Blue Ridge Road, Raleigh, NC 27607, online: www.ramadaraleigh.com or by phone: 919-832-4100. Rates are US$79 for a standard room offering either 2 queen beds or 1 king bed. Please cite the American Mathematical Society code: AMS when making your reservation. All rooms offer complimentary wireless internet, complimentary breakfast and complimentary parking. The Ramada Inn’s amenities include a business center, a fitness center, and an outdoor pool. Deadline for reservations is October 28, 2016.

Comfort Suites Arena (4.8 mi from SAS Hall on North Campus) 1200 Hurricane Alley Way, Raleigh, NC 27607, online: www.choicehotels.com/north-carolina/raleigh/comfort-suites-hotels/nc385 or by phone: 919-854-0502. Rates are US$107.96 for a standard suite offering either 2 queen beds or 1 king bed. Please cite the American Mathematical Society code: AMS when making your reservation. Rooms include complimentary wireless internet, complimentary breakfast and complimentary parking. Amenities at the Comfort Suites Arena include a business center, a fitness center, and an outdoor pool. Deadline for reservations is October 3, 2016.

Food Services and Dining

On Campus: The Talley Student Union offers dining options including Jason’s Deli, Los Lobos, Red Sky, Starbucks and Tuffy’s Diner. The Talley Student Union is located half a mile away from SAS Hall at 2610 Cates Avenue. Please visit dining.ncsu.edu/locations/restaurants-cafes/talley-student-union/ for details.

Off Campus: There are many dining choices for casual dining and “grab and go” options in downtown Raleigh convenient to campus. Some of these options include: Poole’s, 1426 S MacDowell Street, ac-restaurants.com/poole

Bida Manda, 222 S Blount Street, bidamanda.com

Centro, 3106 S Wilmington Street, centroraleigh.com/

The Pit, 328 W Davie Street, thepit-raleigh.com

Teddy’s Pizza and Pasta, 5563-9a Western Blvd, teddyspizzaraleigh.com

Greek Fiesta at NC State 3904 Western Blvd, greekfiesta.com/greek-restaurant-raleigh-nc-state/

Golden Dragon Chinese, 2402 Hillsborough Street,
Meetings & Conferences

Goldendragonraleigh.com/location.aspx

Please visit visitraleigh.com for more casual and fine dining options near the University of Georgia.

Registration and Meeting Information

Advance Registration

Advance registration for this meeting will open on August 1, 2017. Advance registration fees will be US$59 for AMS members, US$85 for nonmembers, and US$10 for students, unemployed mathematicians, and emeritus members.

Onsite Information and Registration

The Registration Desk and the AMS Book Exhibit will be located on the second floor of SAS Hall on North Campus.

The Registration Desk will be open on Saturday, November 12, 7:30 am–4:00 pm and Sunday, November 13, 8:00 am– noon. The same fees apply for on-site registration, as for advance registration. Fees are payable on-site via cash, check, or credit card. Invited Addresses, Special Sessions, and Sessions for Contributed Papers will also be held in SAS Hall on North Campus. Some Special Sessions will take place in Riddick Hall and Park Shops. An NCSU campus map can be viewed at https://maps.ncsu.edu/#/ and a map of North Campus can be viewed at https://www.math.ncsu.edu/Visitors/map.pdf.

The Maclaurin Lecture

The Maclaurin Lecture will be given by Gaven Martin, Massey University, Institute for Advanced Study, Albany Auckland, New Zealand. The title of his talk is Siegel’s problem on small volume lattices. The lecture will be given on Saturday, November 12, at 5:00 pm in SAS Hall.

A Reception hosted by the North Carolina State University Department of Mathematics and the AMS will follow the Maclaurin Lecture. The Maclaurin Lectureship is a reciprocal exchange between the New Zealand Mathematical Society and American Mathematical Society. A New Zealand and a United States-based mathematician will tour each other’s countries on alternate years, with the lecturers to be chosen by both societies.

Other Activities

Book Sales: Stop by the on-site AMS bookstore to review the newest publications and take advantage of exhibit discounts and free shipping on all on-site orders! AMS members receive 40 percent off list price. Nonmembers receive a 25 percent discount. Not a member? Ask a representative about the benefits of AMS membership. Complimentary coffee will be served courtesy of AMS Membership Services.

AMS Editorial Activity: An acquisitions editor from the AMS book program will be present to speak with prospective authors. If you have a book project that you would like to discuss with the AMS, please stop by the book exhibit.

Special Needs

It is the goal of the AMS to ensure that its conferences are accessible to all, regardless of disability. The AMS will strive, unless it is not practicable, to choose venues that are fully accessible to the physically handicapped.

If special needs accommodations are necessary in order for you to participate in an AMS Sectional Meeting, please communicate your needs in advance to the AMS Meetings Department by:

- Registering early for the meeting
- Checking the appropriate box on the registration form, and
- Sending an e-mail request to the AMS Meetings Department at mmsb@ams.org or meet@ams.org.

AMS Policy on a Welcoming Environment

The AMS strives to ensure that participants in its activities enjoy a welcoming environment. In all its activities, the AMS seeks to foster an atmosphere that encourages the free expression and exchange of ideas. The AMS supports equality of opportunity and treatment for all participants, regardless of gender, gender identity or expression, race, color, national or ethnic origin, religion or religious belief, age, marital status, sexual orientation, disabilities, or veteran status.

More details about this policy and how to address questions and/or make reports is posted at www.ams.org/about-us/governance/policy-statements/welcoming-environment-policy.

Local Information and Maps

This meeting will take place on the north campus of North Carolina State University at SAS Hall. A campus map can be viewed at https://maps.ncsu.edu/#/ and a North Campus map can be viewed at https://www.math.ncsu.edu/Visitors/map.pdf as well as https://www.ncsu.edu/ncsu/campus_map/north.htm. Information about the North Carolina State University Department of Mathematics can be found on their website at https://www.math.ncsu.edu/. Please watch the AMS website at www.ams.org/meetings/sectional/sectional.html for additional information about this meeting. Please visit the North Carolina State University website at ncsu.edu for additional information about the campus.

Parking

Parking is available immediately adjacent to SAS Hall and also nearby at the Reynolds Coliseum deck which is located across the street from SAS Hall on Dunne Avenue. There is a footpath via tunnel that allows access to SAS Hall from the Coliseum deck. Parking on the weekend is free, however there are some reserved spots that have 24 hour enforcement.

A North Carolina State University campus parking map can be viewed at www2.acs.ncsu.edu/trans/maps/map-parking.pdf and for more information on parking at North Carolina State University please see www2.acs.ncsu.edu/trans/parking/visitors.html.

Travel

The meeting will be held on the North Campus of North Carolina State University. SAS Hall is located at 2311 Katharine Stinson Drive, Raleigh, NC 27695.

By Air: Raleigh Durham International Airport (www.rdu.com) is located 12.5 miles from the North Carolina State University campus in Raleigh. Average travel time between
the airport and campus is about 25 minutes, though travel time may be affected by traffic.

**Taxis:** Taxi service is available from Raleigh Durham International Airport to the hotels listed above and the University. It is estimated that one way taxi fare will cost approximately US$32.

**Car Rental:** Hertz is the official car rental company for the meeting. To make a reservation accessing our special meeting rates online at [www.hertz.com](http://www.hertz.com), click on the box “I have a discount,” and type in our convention number (CV):04N30007. You can call Hertz directly at 800-654-2240 (US and Canada) or 1-405-749-4434 (other countries). At the time of reservation, the meeting rates will be automatically compared to other Hertz rates and you will be quoted the best comparable rate available.

**By Train:** GoRaleigh is pleased to serve the Raleigh Amtrak Station [www.raleighnc.gov/services/content/PWsksTransit/Articles/AmtrakService.html](http://www.raleighnc.gov/services/content/PWsksTransit/Articles/AmtrakService.html). The Raleigh, NC (RGH) Station at 320 West Cabarrus Street is located two miles from the SAS Hall via Western Blvd or Hillsborough Street. If you would like help planning your trip please call 919-485-RIDE (7433) and a Customer Service Representative will be happy to help you plan an itinerary.

**By Bus:** GoRaleigh bus routes and schedules can be found at [www.raleighnc.gov/services/content/PWsksTransit/Articles/BusRoutes.html](http://www.raleighnc.gov/services/content/PWsksTransit/Articles/BusRoutes.html). A one-way fare is $1.25 and all day pass for unlimited rides is $4.50. [transloc.com/m/route/4000100](http://transloc.com/m/route/4000100) shows a list of all stops on the Southeast Loop of the NCSU Wolfline bus system as well as a map of its routes.

**Driving Directions**

**From the Airport**

Raleigh Durham International Airport ([www.rdu.com](http://www.rdu.com)) is located 12.5 miles from SAS Hall on the North Carolina State University campus. Average travel time between the airport and the center is 25 minutes, though travel time may be affected by traffic.

**Directions from Raleigh Durham International Airport**

Upon leaving the airport, drive toward John Brantley Blvd.; keep straight on John Brantley Blvd and then take ramp left for Aviation Parkway South toward Raleigh. In 1.4 miles, take ramp right for I-40 East toward Raleigh. In 3.9 miles, keep right onto Wade Avenue and then in 3.8 miles, turn right onto Faircloth Street. Turn left onto NC-54/Hillsborough Street and then at the roundabout, take 1st exit onto Pullen Road. At the next roundabout, take 1st exit onto Katharine Stinson Drive. On the left, arrive at SAS Hall, 2311 Katharine Stinson Drive.

**From Durham via US 70**

Take US 70 to downtown Raleigh.(US 70 turns into Glenwood Avenue.) Follow Glenwood Avenue to Oberlin Road. Turn right onto Oberlin Road (approximately 3 miles). Take the first exit on the traffic circle on Oberlin Rd and then the second exit on the traffic circle on Hillsborough Street onto Pullen Road. At the next traffic circle, take the first exit onto Stinson Drive. Go through the traffic gate, and take a left on Boney Drive. SAS Hall will be on your right.

**From Chapel Hill, Durham and RDU Airport via I-40**

Take I-40 East to Raleigh. At the I-40/Wade Avenue split, stay right for the Wade Ave. exit. At the third stoplight, turn right onto Faircloth St. Stay straight on Faircloth (which turns into Gorman St) and turn left at your third light onto Western Blvd. Proceed on Western Boulevard and take a left on Pullen Road. At the traffic circle, take the third exit onto Stinson Drive. Go through the traffic gate, and take a left on Boney Drive. SAS Hall will be on your right.

**From Fayetteville via US 401**

Take US 401 to Raleigh. Then take I-40 West to Gorman Street, exit 295. Turn left at the stoplight onto Gorman Street and follow it to the second traffic light. Turn right onto Avent Ferry Road. After approximately 1.5 miles you will turn right onto Western Boulevard. Proceed on Western Boulevard and take a left on Pullen Road. At the traffic circle, take the third exit onto Stinson Drive. Go through the traffic gate, and take a left on Boney Drive. SAS Hall will be on your right.

**From Henderson via US 1**

Take US 1 (which turns into Capital Boulevard) through downtown Raleigh. Turn right onto Western Blvd. Follow Western Blvd and take the Pullen Road exit on your right. At the traffic circle, take the third exit onto Stinson Drive. Go through the traffic gate, and take a left on Boney Drive. SAS Hall will be on your right.

**From Rocky Mount via US 64**

Take US 64 West towards Raleigh. US 64 West will merge with East I-440 (Inner Beltline). After approximately seven miles, exit onto Gorman Street, exit 295. Turn right at the stoplight onto Gorman Street and follow it to the second traffic light. Turn right onto Avent Ferry Road. After approximately 1.5 miles you will turn right onto Western Boulevard. Proceed on Western Boulevard and take a left on Pullen Road. At the traffic circle, take the third exit onto Stinson Drive. Go through the traffic gate, and take a left on Boney Drive. SAS Hall will be on your right.

**From New York, Pennsylvania, Maryland and Virginia via I-95 South**

Take I-95 South to I-85 South. Then take US 1 (which turns into Capital Boulevard) to through downtown Raleigh. Turn right onto Western Blvd. Follow Western Blvd and take the Pullen Road exit on your right. At the traffic circle, take the third exit onto Stinson Drive. Go through the traffic gate, and take a left on Boney Drive. SAS Hall will be on your right.
From Florida via I-95 North
Take I-95 North to I-40 West. Proceed on I-40 West into Raleigh to Gorman Street, exit 295. Turn right at the stoplight onto Gorman Street and follow it to the second traffic light. Turn right onto Avent Ferry Road. After approximately 1.5 miles you will turn right onto Western Boulevard. Proceed on Western Boulevard and take a left on Pullen Road. At the traffic circle, take the third exit onto Stinson Drive. Go through the traffic gate, and take a left on Boney Drive. SAS Hall will be on your right.

Weather
Raleigh tends to be cool and mild in November. Daytime temperatures are in the mid 50s and evening temperatures are in the mid 40s. Visitors should be prepared for inclement weather and check weather forecasts in advance of their arrival.

Social Networking
Participants are encouraged to tweet about the meeting using the hashtag #AMSmtg.

Information for International Participants
Visa regulations are continually changing for travel to the United States. Visa applications may take from three to four months to process and require a personal interview, as well as specific personal information. International participants should view the important information about traveling to the US found at travel.state.gov/content/visas/en.html and https://travel.state.gov/content/visas/en/general/all-visa-categories.html. If you need a preliminary conference invitation in order to secure a visa, please send your request to epm@ams.org.

If you discover you do need a visa, the National Academies website (see above) provides these tips for successful visa applications:

* Visa applicants are expected to provide evidence that they are intending to return to their country of residence. Therefore, applicants should provide proof of “binding” or sufficient ties to their home country or permanent residence abroad. This may include documentation of the following:
  - family ties in home country or country of legal permanent residence
  - property ownership
  - bank accounts
  - employment contract or statement from employer stating that the position will continue when the employee returns;
* Visa applications are more likely to be successful if done in a visitor’s home country than in a third country;
* Applicants should present their entire trip itinerary, including travel to any countries other than the United States, at the time of their visa application;
* Include a letter of invitation from the meeting organizer or the US host, specifying the subject, location and dates of the activity, and how travel and local expenses will be covered;
* If travel plans will depend on early approval of the visa application, specify this at the time of the application;

* Provide proof of professional scientific and/or educational status (students should provide a university transcript).

This list is not considered to be complete. Please visit the websites above for the most up-to-date information.

Atlanta, Georgia
Hyatt Regency Atlanta and Marriott Atlanta Marquis
January 4–7, 2017
Wednesday – Saturday

Meeting #1125
Joint Mathematics Meetings, including the 123rd Annual Meeting of the AMS, 100th Annual Meeting of the Mathematical Association of America, annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic, with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

Associate secretary: Brian D. Boe
Announcement issue of Notices: October 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 38, Issue 1

Deadlines
For organizers: Expired
For abstracts: September 20, 2016

The scientific information listed below may be dated.
For the latest information, see www.ams.org/amsmtgs/national.html.

Joint Invited Addresses
Ingrid Daubechies, Duke University, Title to be announced (MAA-AMS-SIAM Gerald and Judith Porter Public Lecture).
Lisa Jeffrey, University of Toronto, Title to be announced (AWM-AMS Noether Lecture).
Donald Richards, Pennsylvania State University, Title to be announced (AMS-MAA Invited Address).
Alice Silverberg, University of California, Irvine, Title to be announced (AMS-MAA Invited Address).

AMS Invited Addresses
Tobias Colding, Massachusetts Institute of Technology, Title to be announced.
Carlos E. Kenig, University of Chicago, Title to be announced (AMS Colloquium Lectures: Lecture I).
Carlos E. Kenig, University of Chicago, Title to be announced (AMS Colloquium Lectures: Lecture II).
Carlos E. Kenig, University of Chicago, Title to be announced (AMS Colloquium Lectures: Lecture III).
John Preskill, California Institute of Technology, Title to be announced (AMS Josiah Willard Gibbs Lecture).
Barry Simon, California Institute of Technology, Title to be announced.
Gigliola Staffilani, Massachusetts Institute of Technology, Title to be announced.
Richard Taylor, Institute for Advanced Study, Title to be announced.
Anna Wienhard, Heidelberg University, Title to be announced.

AMS Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at jointmathematicsmeetings.org/meetings/abstracts/abstract.pl?type=jmm.

Some sessions are cosponsored with other organizations. These are noted within the parenthesis at the end of each listing, where applicable.

Advanced Mathematical Programming and Applications (Code: SS 67A), Ram N. Mohapatra, University of Central Florida, Ram U. Verma, University of North Texas, and Gayatri Pani, Indian Institute of Technology.

Advances in Mathematics of Ecology, Epidemiology and Immunology of Infectious Diseases (Code: SS 49A), Abba Gumel, Arizona State University.

Advances in Numerical Analysis for Partial Differential Equations (Code: SS 57A), Thomas Lewis, University of North Carolina at Greensboro, and Amanda Diegel, Louisiana State University.

Advances in Operator Algebras (Code: SS 50A), Michael Hartglass, University of California, Riverside, David Penney, University of California, Los Angeles, and Elizabeth Gillaspy, University of Colorado, Boulder.

Algebraic Statistics (a Mathematics Research Communities Session) (Code: SS 15A), TBA.

An Amicable Combination of Algebra and Number Theory (Dedicated to Dr. Helen G. Grundman) (Code: SS 48A), Eva Goedhart, Lebanon Valley College, Pamela E. Harris, Williams College, Daniel P. Wisniowski, DeSales University, and Alejandra Alvarado, Eastern Illinois University.

Analysis of Fractional, Stochastic, and Hybrid Dynamic Systems and their Applications (Code: SS 6A), Aghalaya S. Vatsala, University of Louisiana, Gangaram S. Ladde, University of South Florida, and John R. Graef, University of Tennessee at Chattanooga.

Analytic Number Theory and Arithmetic (Code: SS 71A), Robert Lemke Oliver, Tufts University, Paul Pollack, University of Georgia, and Frank Thorne, University of South Carolina.

Analytical and Computational Studies in Mathematical Biology (Code: SS 30A), Yanyu Xiao, University of Cincinnati, and Xiang-Sheng Wang, Southeast Missouri State University.

ApREUF: Applied Research Experience for Undergraduate Faculty (Code: SS 59A), Shenglan Yuan, LaGuardia Community College, CUNY, Jason Callahan, St. Edwards University, Eva Strawbridge, James Madison University, and Ami Radunskaya, Pomona College.

Applications of Partially Ordered Sets in Algebraic, Topological, and Enumerative Combinatorics (Code: SS 74A), Rafael S. González D’León, University of Kentucky, and Joshua Hallam, Wake Forest University.

Arithmetic Properties of Sequences from Number Theory and Combinatorics (Code: SS 42A), Eric Rowland, Hofstra University, and Armin Straub, University of South Alabama.

Automorphic Forms and Arithmetic (Code: SS 81A), Frank Calegari, University of Chicago, Ana Caraiani, Princeton University, and Richard Taylor, Institute for Advanced Study.

Bases in Function Spaces: Sampling, Interpolation, Expansions and Approximations (Code: SS 35A), Shahaf Nitzan and Christopher Heil, Georgia Institute of Technology, and Alexander V. Powell, Vanderbilt University.

Character Varieties: Experiments and New Frontiers (a Mathematics Research Communities Session) (Code: SS 14A), TBA.

Coding Theory for Modern Applications (Code: SS 54A), Christine A. Kelley, University of Nebraska-Lincoln, Iwan M. Duursma, University of Illinois Urbana-Champaign, and Gretchen L. Matthews, Clemson University.

Combinatorial and Cohomological Invariants of Flag Manifolds and Related Varieties (Code: SS 18A), Martha Precup, Northwestern University, and Rebecca Goldin, George Mason University.

Commutative Algebra: Research for Undergraduate and Early Graduate Students (Code: SS 8A), Nicholas Baeth, University of Central Missouri, and Courtney Gibbons, Hamilton College.

Complex Analysis and Special Functions (Code: SS 40A), Brock Williams, Texas Tech University, Kendall Richards, Southwestern University, and Alex Solyrin, Texas Tech University.

Continued Fractions (Code: SS 38A), James McLaughlin, West Chester University, Geremias Polanco, Hampshire College, and Nancy J. Wyshinski, Trinity College.

Control and Long Time Behavior of Evolutionary PDEs (Code: SS 28A), Louis Tebou, Florida International University, and Luz de Teresa, Instituto de Matemáticas, UNAM.

Discrete Geometry and Convexity (Dedicated to András Bezdek on the occasion of his 60th birthday) (Code: SS 34A), Kryzystyna Kuperberg, Auburn University, Gergely Ambrus, Renyi Institute of Mathematics, Braxton Crippen, Southern Connecticut State University, and Ferenc Fodor, University of Szeged.

Discrete Structures in Number Theory (Code: SS 29A), Anna Haensch, Duquesne University, and Adriana Salerno, Bates College.

Dynamical Systems (Code: SS 5A), Jim Wiseman, Agnes Scott College, and Aimee Johnson, Swarthmore College.

Dynamics of Fluids and Nonlinear Waves (Code: SS 66A), Zhiwu Lin, Jiyin Jin, and Chongchun Zeng, Georgia Institute of Technology.

Ergodic Theory and Dynamical Systems (Code: SS 23A), Mrinal Kanti Roychowdhury, University of Texas Rio Grande Valley, and Tamara Kucherenko, City College of New York.
Fusion Categories and Quantum Symmetries (Code: SS 65A), Julia Plavnik, Texas A&M University, Paul Bruillard, Pacific Northwest National Laboratory, and Eric Rowell, Texas A&M University.

Gaussian Graphical Models and Combinatorial Algebraic Geometry (Code: SS 37A), Rainer Sinn, Georgia Institute of Technology, Seth Sullivant, North Carolina State University, and Josephine Yu, Georgia Institute of Technology.

Graphs and Matrices (Code: SS 53A), Sudipta Mallik, Northern Arizona University, Keivan Hassani Monfared, University of Calgary, and Bryan Shader, University of Wyoming.

Group Actions and Geometric Structures (Code: SS 80A), Anna Wienhard, Universität Heidelberg, and Jeffrey Danciger, University of Texas at Austin.

Group Representations and Cohomology (Code: SS 52A), Hung Nguyen, The University of Akron, Nham Ngo, The University of Arizona, Andrei Pavelescu, University of South Alabama, and Paul Sobaje, University of Georgia.

Harmonic Analysis (In Honor of Gestur Olafsson’s 65th Birthday) (Code: SS 55A), Jens Christensen, Colgate University, and Susanna Dann, Technische Universität Wien-Vienna, Austria.

History of Mathematics (Code: SS 25A), Adrian Rice, Randolph-Macon College, Sloan Despeaux, Western Carolina University, and Daniel Otero, Xavier University (AMS-MAA-ICM).

Hopf algebras and their actions (Code: SS 47A), Henry Tucker, University of California, San Diego, Susan Montgomery, University of Southern California - Los Angeles, and Siu-Hung Ng, Louisiana State University.

Inverse Problems and Applications (Code: SS 45A), Yu Kim Tuan and Amin Boumenir, University of West Georgia.

Inverse Problems and Multivariate Signal Analysis (Code: SS 79A), M. Zuhair Nashed, University of Central Florida, Willi Freeden, University of Kaiserslautern, and Otmar Scherzer, University of Vienna.

Lie Group Representations, Discretization, and Gelfand Pairs (a Mathematics Research Communities Session) (Code: SS 13A), TBA.

Mapping Class Groups and their Subgroups (Code: SS 22A), James W. Anderson, University of Southampton, UK, and Aaron Wootton, University of Portland.

Mathematics and Music (Code: SS 9A), Mariana Montiel, Georgia State University, and Robert Peck, Louisiana State University.

Mathematics in Physiology and Medicine (a Mathematics Research Communities Session) (Code: SS 16A), TBA.

Mathematics of Cryptography (Code: SS 11A), Nathan Kaplan and Alice Silverberg, University of California, Irvine (AMS-MAA).

Mathematics of Signal Processing and Information (Code: SS 41A), Rayna Saab, University of California, San Diego, and Mark Iwen, Michigan State University.

Measure and Measurable Dynamics (In Memory of Dorothy Maharam, 1917-2014) (Code: SS 72A), Cesar Silva, Williams College.

Minimal Integral Models of Algebraic Curves (Code: SS 33A), Tony Shaska, Oakland University.

NSFD Discretizations: Recent Advances, Applications, and Unresolved Issues (Code: SS 51A), Talitha M. Washington, Howard University, and Ronald E. Mickens, Clark Atlanta University.

New Developments in Noncommutative Algebra & Representation Theory (Code: SS 46A), Ellen Kirkman, Wake Forest University, and Chelsea Walton, Temple University.

Nonlinear Systems and Applications (Code: SS 20A), Wenrui Hao, Ohio State University.

Open & Accessible Problems for Undergraduate Research (Code: SS 4A), Allison Henrich, Seattle University, Michael Dorff, Brigham Young University, and Nicholas Scoville, Ursinus College.

Operator Theory, Function Theory, and Models (Code: SS 7A), William Ross, University of Richmond, and Alberto Condori, Florida Gulf Coast University.

Orthogonal Polynomials (Code: SS 17A), Doron Lubinsky and Jeff Geronimo, Georgia Institute of Technology.

PDE Analysis on Fluid Flows (Code: SS 39A), Xiang Xu, Old Dominion University, and Geng Chen and Ronghua Pan, Georgia Institute of Technology.

PDEs for Fluid flow: Analysis and Computation (Code: SS 60A), Thinh Kieu, University of North Georgia, Emine Celik, Texas Tech University, and Hashim Saber, University of North Georgia.

Partition Theory and Related Topics (Code: SS 78A), Amita Malik, University of Illinois at Urbana-Champaign, Dennis Eichhorn, University of California, Irvine, and Tim Huber, University of Texas-Rio Grande Valley.

Problems in Partial Differential Equations (Code: SS 44A), Alex Himonas, University of Notre Dame, and Dionyssios Mantzavinos, State University of New York at Buffalo.


Pure and Applied Talks by Women Math Warriors Presented by EDGE (Enhancing Diversity in Graduate Education) (Code: SS 77A), Candice Price, University of San Diego, and Amy Buchman, Tulane University.

Quantum Groups (Code: SS 76A), Shuzhou Wang and Anghuman Bhattacharya, University of Georgia.

Quaternions (Code: SS 31A), Johannes Hamilton, Borough of Manhattan Community College, Terrence Blackman, Medgar Evers College, and Chris McCarthy, Borough of Manhattan Community College.

RE(UF)search on Graphs and Matrices (Code: SS 58A), Cheryl Grood, Swarthmore College, Daniela Ferrero, Texas State University, and Mary Flagg, University of St. Thomas.

Random Matrices, Random Percolation and Random Sequence Alignments (Code: SS 19A), Ruoting Gong, Illinois Institute of Technology, and Michael Damron, Georgia Institute of Technology.

Real Discrete Dynamical Systems with Applications (Code: SS 32A), M. R. S. Kulenovic, University of Rhode Island, and Abdul-Aziz Yakubu, Howard University.
Recent Advances in Mathematical Biology (Code: SS 63A), Zhisheng Shuai, University of Central Florida, Guifeng Fan, Columbus State University, Andrew Neval, University of Central Florida, and Eric Numfor, Augusta University.

Recent Progress on Nonlinear Dispersive and Wave Equations (Code: SS 10A), Dana Mendelson, Carlos Kenig, and Hao Jia, University of Chicago, Andrew Lawrie, University of California, Berkeley, Gigliola Staffilani, Massachusetts Institute of Technology, and Magdalena Czubak, University of Colorado Boulder.

Representations and Related Geometry in Lie Theory (Code: SS 68A), Laura Rider, Massachusetts Institute of Technology, and Amber Russell, Butler University.

Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs (Code: SS 1A), Darren A. Narayan, Rochester Institute of Technology, Tamas Forgacs, California State University, Fresno, and Ugur Abdulla, Florida Institute of Technology (AMS-MAA-SIAM).

Sheaves in Topological Data Analysis (Code: SS 69A), Mikael Vejdemo-Johansson, CUNY College of Staten Island, Elizabeth Munch, University at Albany, SUNY, and Martina Scolamiero, École Polytechnique Fédérale de Lausanne.

Spectral Calculus & Quasilinear Partial Differential Equations (Code: SS 3A), Shijun Zheng, Georgia Southern University, Marius Beceanu, State University of New York - Albany, and Tuoc Van Phan, University of Tennessee, Knoxville.

Spin Glasses and Disordered Media (Code: SS 36A), Antonio Auffinger, Northwestern University, Aukosh Jagannath, New York University, and Dmitry Panchenko, University of Toronto.


Stochastic Matrices and Their Applications (Code: SS 56A), Selcuk Koyuncu, University of North Georgia, and Lei Cao, Georgian Court University.

Stochastic Processes and Modelling (Code: SS 26A), Erkan Nane, Auburn University, and Jebessa B. Mijena, Georgia College and State University.

Symmetries, Integrability, and Beyond (Code: SS 61A), Maria Clara Nucci, Università di Perugia, ITALY, and Sarah Post, University of Hawaii at Manoa.

Symplectic Geometry, Moment Maps and Morse Theory (Code: SS 64A), Lisa Jeffrey, University of Toronto, and Tara Holm, Cornell University (AMS-AWM).

Teaching Assistant Development Programs: Why and How? (Code: SS 12A), Solomon Friedberg, Boston College, Jessica Deshler, West Virginia University, Jeffrey Remmel, University of California, San Diego, and Lisa Townsley, University of Georgia.

The Mathematics of the Atlanta University Center (Code: SS 70A), Talitha M. Washington, Howard University, Monica Jackson, American University, and Colm Mulcahy, Spelman College (AMS-NAM).

The Modeling First Approach to Teaching Differential Equations (Code: SS 24A), Chris McCarthy, City University of New York, and Brian Winkel, US Military Academy, West Point.

Theory and Applications of Numerical Algebraic Geometry (Code: SS 62A), Daniel Brake, University of Notre Dame, Robert Krone, Queen’s University, and Jose Israel Rodriguez, University of Chicago.

Topics in Graph Theory (Code: SS 27A), Songling Shan, Vanderbilt University, and Xiaofeng Gu, University of West Georgia.

Topology, Representation Theory, and Operator Algebras (A Tribute to Paul Baum) (Code: SS 2A), Efton Park and Jose Carrion, Texas Christian University.

Women in Analysis (In Honor of Cora Sadosky) (Code: SS 75A), Alexander Reznikov, Vanderbilt University, Oleksandra Beznosova and Hyun-Kyoung Kwon, University of Alabama, and Katharine Ott, Bates College.

Women in Topology (Code: SS 43A), Jocelyn Bell, Hobart and William Smith Colleges, Eleanor Ollhoff, University of Tennessee, Candice Price, University of San Diego, and Arunima Ray, Brandeis University.

Charleston, South Carolina

College of Charleston

March 10–12, 2017
Friday - Sunday

Meeting #1126
Southeastern Section
Associate secretary: Brian D. Boe
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: Expired
For abstracts: January 17, 2017

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
Pramod N. Achar, Louisiana State University, Title to be announced.
Hubert Bray, Duke University, Title to be announced.
Alina Chertock, North Carolina State University, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Commutative Algebra (Code: SS 1A), Bethany Kubik, University of Minnesota Duluth, Saeed Nasrseh, Georgia
Southern University, and Sean Sather-Wagstaff, Clemson University.

Data Analytics and Applications (Code: SS 2A), Scott C. Batson, Lucas A. Overbuy, and Bryan Williams, Space and Naval Warfare Systems Center Atlantic.

Graph Theory (Code: SS 5A), Colton Magnant, Georgia Southern University, and Zixia Song, University of Central Florida.

Knot Theory and its Applications (Code: SS 3A), Elizabeth Denne, Washington & Lee University, and Jason Parsley, Wake Forest University.

Rigidity Theory and Inversive Distance Circle Packings (Code: SS 4A), John C. Bowers, James Madison University, and Philip L. Bowers, The Florida State University.

Randomness in Complex Geometry (Code: SS 1A), TurGay Bayraktar, Syracuse University, and Norman Levenberg, Indiana University.

Spectrum of the Laplacian on Domains and Manifolds (Code: SS 4A), Chris Judge and Sugata Mondal, Indiana University.

Pullman, Washington
Washington State University

April 22–23, 2017  
Saturday - Sunday

Meeting #1128
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: February 2017
Program first available on AMS website: March 9, 2017
Issue of Abstracts: Volume 38, Issue 2

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Fixed Point Methods in Differential and Integral Equations (Code: SS 1A), Theodore A. Burton, Southern Illinois University in Carbondale.

Inverse Problems (Code: SS 2A), Hanna Makaruk, Los Alamos National Laboratory (LANL), and Robert Owczarek, University of New Mexico, Albuquerque & Los Alamos.
New York, New York

Hunter College, City University of New York

May 6–7, 2017
Saturday – Sunday

Meeting #1129
Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: March 2017
Program first available on AMS website: March 22, 2017
Issue of Abstracts: Volume 38, Issue 2

Deadlines
For organizers: October 6, 2016
For abstracts: March 14, 2017

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses

Jeremy Kahn, City University of New York, Title to be announced.
Fernando Coda Marques, Princeton University, Title to be announced.
James Maynard, Magdalen College, University of Oxford, Title to be announced (Erdoes Memorial Lecture).
Kavita Ramanan, Brown University, Title to be announced.

Special Sessions

If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.


Commutative Algebra (Code: SS 1A), Laura Ghezzi, New York City College of Technology-CUNY, and Jooyoun Hong, Southern Connecticut State University.

Computational and Algorithmic Group Theory (Code: SS 7A), Denis Serbin and Alexander Ushakov, Stevens Institute of Technology.

Cryptography (Code: SS 3A), Xiaowen Zhang, College of Staten Island and Graduate Center-CUNY.

Current Trends in Function Spaces and Nonlinear Analysis (Code: SS 2A), David Cruz-Uribe, University of Alabama, Jan Lang, The Ohio State University, and Osvaldo Mendez, University of Texas at El Paso.

Geometry and Topology of Ball Quotients and Related Topics (Code: SS 5A), Luca F. Di Cerbo, Max Planck Institute, Bonn, and Matthew Stover, Temple University.

Montréal, Quebec Canada

McGill University

July 24–28, 2017
Monday – Friday

Meeting #1130
The second Mathematical Congress of the Americas (MCA 2017) is being hosted by the Canadian Mathematical Society (CMS) in collaboration with the Pacific Institute for the Mathematical Sciences (PIMS), the Fields Institute (FIELDS), Le Centre de Recherches Mathématiques (CRM), and the Atlantic Association for Research in the Mathematical Sciences (AARMS).
Associate secretary: Brian D. Boe
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: Expired
For abstracts: To be announced

Denton, Texas

University of North Texas

September 9–10, 2017
Saturday – Sunday

Meeting #1131
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: June 2017
Program first available on AMS website: July 27, 2017
Issue of Abstracts: Volume 38, Issue 3

Deadlines
For organizers: February 2, 2017
For abstracts: July 18, 2017

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses

Mirela Çiperian, University of Texas at Austin, Title to be announced.

Infinite Permutation Groups, Totally Disconnected Locally Compact Groups, and Geometric Group Theory (Code: SS 4A), Delaram Kahrobaei, New York City College of Technology and Graduate Center-CUNY, and Simon Smith, New York City College of Technology-CUNY.
Adrianna Gillman, Rice University, Title to be announced.
Kevin Pilgrim, Indiana University, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Dynamics, Geometry and Number Theory (Code: SS 1A), Lior Fishman and Mariusz Urbanski, University of North Texas.
Real-Analytic Automorphic Forms (Code: SS 2A), Olav K Richter, University of North Texas, and Martin Westerholm-Raum, Chalmers University of Technology.

Buffalo, New York
State University of New York at Buffalo
September 16–17, 2017
Saturday – Sunday
Meeting #1132
Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: June 2017
Program first available on AMS website: August 3, 2017
Issue of Abstracts: Volume 38, Issue 3

Deadlines
For organizers: February 16, 2017
For abstracts: July 25, 2017

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
Christine Heitsch, Georgia Institute of Technology, Title to be announced.
Jonathan Kujawa, University of Oklahoma, Title to be announced.
Christopher D Sogge, Johns Hopkins University, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Commutative Algebra: Interactions with Algebraic Geometry and Algebraic Topology (Code: SS 1A), Joseph Brennan, University of Central Florida, and Alina Iacob and Saeed Nasseh, Georgia Southern University.

Orlando, Florida
University of Central Florida, Orlando
September 23–24, 2017
Saturday – Sunday
Meeting #1133
Southeastern Section
Associate secretary: Brian D. Boe
Announcement issue of Notices: June 2017
Program first available on AMS website: August 10, 2017
Issue of Abstracts: Volume 38, Issue 4

Deadlines
For organizers: April 14, 2017
For abstracts: September 12, 2017

Riverside, California
University of California, Riverside
November 4–5, 2017
Saturday – Sunday
Meeting #1134
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: September 2017
Program first available on AMS website: September 21, 2017
Issue of Abstracts: Volume 38, Issue 4

Deadlines
For organizers: April 14, 2017
For abstracts: September 12, 2017
San Diego, California

San Diego Convention Center and San Diego Marriott Hotel and Marina

January 10–13, 2018
Wednesday – Saturday

Meeting #1135
Joint Mathematics Meetings, including the 124th Annual Meeting of the AMS, 101st Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Georgia Benkart
Announcement issue of Notices: October 2017
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: April 1, 2017
For abstracts: To be announced

Columbus, Ohio

Ohio State University

March 24–25, 2018
Saturday – Sunday
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: To be announced
For abstracts: To be announced

Portland, Oregon

Portland State University

April 14–15, 2018
Saturday – Sunday
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: To be announced
For abstracts: To be announced

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Inverse Problems (Code: SS 2A), Hanna Makaruk, Los Alamos National Laboratory (LANL), and Robert Owcza-rek, University of New Mexico, Albuquerque & Los Alamos.
Pattern Formation in Crowds, Flocks, and Traffic (Code: SS 1A), J. J. P. Veerman, Portland State University, Alethea Barbaro, Case Western Reserve University, and Bassam Bamieh, UC Santa Barbara.

Nashville, Tennessee

Vanderbilt University

April 14–15, 2018
Saturday – Sunday
Southeastern Section
Associate secretary: Brian D. Boe
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: To be announced
For abstracts: To be announced

Boston, Massachusetts

Northeastern University

April 21–22, 2018
Saturday – Sunday
Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: September 21, 2017
For abstracts: March 6, 2018
People's Republic of China
Fudan University

June 11–14, 2018
Monday – Thursday
Associate secretary: Carla D. Savage
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: To be announced
For abstracts: To be announced

Baltimore, Maryland

Baltimore Convention Center, Hilton Baltimore, and Baltimore Marriott Inner Harbor Hotel

January 16–19, 2019
Wednesday – Saturday
Joint Mathematics Meetings, including the 125th Annual Meeting of the AMS, 102nd Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: October 2018
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: April 2, 2018
For abstracts: To be announced

Honolulu, Hawaii

University of Hawaii at Manoa

March 29–31, 2019
Friday – Sunday
Central Section
Associate secretaries: Georgia Benkart and Michel L. Lapidus
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: To be announced
For abstracts: To be announced

Denver, Colorado

Colorado Convention Center

January 15–18, 2020
Wednesday – Saturday
Joint Mathematics Meetings, including the 126th Annual Meeting of the AMS, 103rd Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: To be announced
Program first available on AMS website: November 1, 2019
Issue of Abstracts: To be announced

Deadlines
For organizers: April 1, 2019
For abstracts: To be announced

Washington, District of Columbia

Walter E. Washington Convention Center

January 6–9, 2021
Wednesday – Saturday
Joint Mathematics Meetings, including the 127th Annual Meeting of the AMS, 104th Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Brian D. Boe
Announcement issue of Notices: October 2020
Program first available on AMS website: November 1, 2020
Issue of Abstracts: To be announced

Deadlines
For organizers: April 1, 2020
For abstracts: To be announced