# Meetings \& Conferences of the AMS 

IMPORTANT INFORMATION REGARDING MEETINGS PROGRAMS: AMS Sectional Meeting programs do not appear in the print version of the Notices. However, comprehensive and continually updated meeting and programinformation with links to the abstract for each talk can be found on the AMS website. Seehttp://www.ams.org/meetings/. Final programs for Sectional Meetings will be archived on the AMS website accessible from the stated URL and in an electronic issue of the Notices as noted below for each meeting.

## Lexington, Kentucky

## University of Kentucky

March 27-28, 2010
Saturday - Sunday

## Meeting \#1057

Southeastern Section
Associate secretary: Matthew Miller
Announcement issue of Notices: January 2010
Program first available on AMS website: February 11, 2010
Program issue of electronic Notices: March 2010
Issue of Abstracts: Volume 31, Issue 2

## Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: Expired
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.htm1.

## Invited Addresses

Percy A. Deift, Courant Institute-New York University, Open problems in integrable systems and random matrix theory.

Irina Mitrea, Worcester Polytechnic Institute, Recent progress in the area of elliptic boundary value problems on rough domains.

Bruce Reznick, University of Illinois at Urbana Champaign, The secret lives of polynomial identities.

Bernd Ulrich, Purdue University, Title to be announced.
Doron Zeilberger, Rutgers University, 3x+1 (Erdős Memorial Lecture).

## Special Sessions

Advances in Algebraic Coding Theory, Heide GluesingLuerssen, University of Kentucky, and Jon-Lark Kim, University of Louisville.

Advances in Algebraic Statistics, Sonja Petrović, University of Illinois, Chicago, and Ruriko Yoshida, University of Kentucky.

Advances in Algebraic and Geometric Combinatorics, Richard Ehrenborg and Margaret A. Readdy, University of Kentucky.

Analysis and Control of Dispersive Partial Differential Equations, Michael J. Goldberg and Bingyu Zhang, University of Cincinnati.

Combinatorial Algebra, Juan C. Migliore, University of Notre Dame, and Uwe Nagel, University of Kentucky.

Commutative Algebra, Alberto Corso, University of Kentucky, Claudia Polini, University of Notre Dame, and Bernd Ulrich, Purdue University.

Complex Analysis and Potential Theory, James E. Brennan and Vladimir Eiderman, University of Kentucky.

Financial Mathematics and Statistics, Kiseop Lee, University of Louisville, and Jose Figueroa-Lopez, Department of Statistics, Purdue University.

Function Theory, Harmonic Analysis, and Partial Differential Equations, Joel Kilty, Centre College, Irina Mitrea, Worcester Polytechnic Institute, and Katharine Ott, University of Kentucky.

Geometric Function Theory and Analysis on Metric Spaces, John L. Lewis, University of Kentucky, and Nageswari Shanmugalingam, University of Cincinnati.

Homotopy Theory and Geometric Aspects of Algebraic Topology, Serge Ochanine, University of Kentucky, and Marian F. Anton, Centre College.

Interactions between Logic, Topology, and Complex Analysis, Matt Insall, Missouri University of Science and Technology, and Malgorzata Marciniak, University of Toledo.

Inverse Problems, Riemann-Hilbert Problems, and Nonlinear Dispersive Equations, Peter A. Perry, University of Kentucky, and Peter Topalov, Northeastern University.

Large Scale Matrix Computation, Qiang Ye, University of Kentucky, and Lothar Reichel, Kent State University.

Mathematical Economics, Adib Bagh and Robert E. Molzon, University of Kentucky.

Mathematical Problems in Mechanics and Materials Science, Michel E. Jabbour and Chi-Sing Man, University of Kentucky, and Kazumi Tanuma, Gunma University.

Mathematical String Theory, Al Shapere, Department of Physics and Astronomy, University of Kentucky, Eric Sharpe, Physics Department, Virginia Polytechnic Institute and State University, and Mark A. Stern, Duke University.

Mathematics Outreach, Carl W. Lee and David C. Royster, University of Kentucky.

Matroid Theory, Jakayla Robbins, University of Kentucky, and Xiangqian Zhou, Wright State University.

Multivariate and Banach Space Polynomials, Richard A. Aron, Kent State University, and Lawrence A. Harris, University of Kentucky.

Noncommutative Algebraic Geometry, Dennis S. Keeler and Kimberly Retert, Miami University.

Partial Differential Equations in Geometry and Variational Problems, Luca Capogna, University of Arkansas, and Changyou Wang, University of Kentucky.

Recent Progress in Numerical Methods for Partial Differential Equations, Alan Demlow, University of Kentucky, and Xiaobing H. Feng, University of Tennessee at Knoxville.

Relative Homological Algebra, Edgar E. Enochs, University of Kentucky, and Alina C. Iacob, Georgia Southern University.

Sharp Spectral Estimates in Analysis, Geometry, and Probability, Richard S. Laugesen and Bartlomiej Siudeja, University of Illinois.

Spectral and Transport Properties of Schrödinger Operators, Peter D. Hislop, University of Kentucky, and Jeffrey H. Schenker, Michigan State University.

## St. Paul, Minnesota

## Macalester College

April 10-11, 2010
Saturday - Sunday

## Meeting \#1 058

Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: February 2010
Program first available on AMS website: February 25, 2010
Program issue of electronic Notices: April 2010
Issue of Abstracts: Volume 31, Issue 2

## Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired

For abstracts: February 16, 2010
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.htm7.

## Invited Addresses

Charles Doering, University of Michigan, Title to be announced.

Matthew James Emerton, Northwestern University, Title to be announced.

Vladimir Touraev, Indiana University, Title to be announced.

Peter Webb, University of Minnesota, Title to be announced.

## Special Sessions

Applications of a Geometric Approach to Chaotic Dynamics (Code: SS 16A), Evelyn Sander, George Mason University, Judy Kennedy, Lamar University, and James Yorke, University of Maryland.

Cohomology and Representation Theory of Algebraic Groups and Related Structures (Code: SS 7A), Christopher Bendel, University of Wisconsin-Stout, Bobbe Cooper, University of Minnesota, and Terrell Hodge, Western Michigan University.

Combinatorial Representation Theory (Code: SS 3A), Tom Halverson, Macalester College, and Victor Reiner, University of Minnesota.

Commutative Ring Theory (Code: SS 5A), Michael Axtell, University of St. Thomas, and Joe Stickles, Millikin University.

Differential Equations and Applications (Code: SS 15A), Nicolai Tarfulea, Purdue University Calumet, and Catalin Turc, Case Western Reserve University.

Fractals, Convolution Measures, and Frames (Code: SS 13A), Keri Kornelson, University of Oklahoma, and Karen Shuman, Grinnell College.

Geometric Flows, Moving Frames and Integrable Systems (Code: SS 8A), Gloria Mari-Beffa, University of WisconsinMadison, and Peter Olver, University of Minnesota.

Hecke Algebras and Deformations in Geometry and Topology (Code: SS 11A), Matthew Douglass and Anne Shepler, University of North Texas.

Mathematical Developments in Cell and Systems Biology (Code: SS 14A), Anastasios Matzavinos, Iowa State University, and Nicoleta Eugenia Tarfulea, Purdue University Calumet.

Matrices and Graphs (Code: SS 9A), Luz M. DeAlba, Drake University, Adam Berliner, St. Olaf College, Leslie Hogben, Iowa State University, and In-Jae Kim, Minnesota State University.

Partition Theory and the Combinatorics of Symmetric Functions (Code: SS 6A), Eric S. Egge, Carleton College, and Kristina Garrett, St. Olaf College.

Pattern Formation in Biological Systems (Code: SS 12A), Magdalena Skolarska, University of St. Thomas, and Chad Topaz, Macalester College.

Physical Knotting and Linking and its Applications (Code: SS 10A), Eric Rawden, University of St. Thomas,

Yuanan Diao, University of North Carolina at Charlotte, and Claus Ernst, Western Kentucky University.

Probabilistic and Extremal Combinatorics (Code: SS 2A), Ryan Martin and Maria Axenovich, Iowa State University.

Quantum Invariants of 3-manifolds and Modular Categories (Code: SS 1A), Thang Le, Georgia Institute of Technology, Eric Rowell, Texas A\&M University, and Vladimir Touraev, Indiana University.

Universal Algebra and Order (Code: SS 4A), Jeffrey Olson, Norwich University, Jeremy Alm, Illinois College, Kristi Meyer, Wisconsin Lutheran College, and Japheth Wood, Bard College.

## Albuquerque, New Mexico

University of New Mexico

April 17-18, 2010
Saturday - Sunday

## Meeting \#1059

Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: February 2010
Program first available on AMS website: March 4, 2010
Program issue of electronic Notices: April 2010
Issue of Abstracts: Volume 31, Issue 3

## Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: February 23, 2010
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.htm1.

## Invited Addresses

Kenneth Bromberg, University of Utah, Title to be announced.

Danny Calegari, California Institute of Technology, Title to be announced.

Ioana Dumitriu, University of Washington, Title to be announced.

Steffen Rohde, University of Washington, Title to be announced.

## Special Sessions

Dyadic and Non-Dyadic Harmonic Analysis (Code: SS 2A), M. Cristina Pereyra, University of New Mexico, and Stephanie A. Salomone, University of Portland.

Financial Mathematics: The Mathematics of Financial Markets and Structures (Code: SS 4A), Maria Cristina Mariani, University of Texas at El Paso, Ionut Florescu,

Stevens Institute of Technology, and Maria P. BeccarVarela, University of Texas at El Paso.

Function Spaces, PDEs and Nonlinear Analysis (Code: SS 10A), Osvaldo Mendez, Behzad Rouhani, and Mohamed Amine Khamsi, University of Texas at El Paso.

Geometric Combinatorics (Code: SS 6A), Art M. Duval, University of Texas at El Paso, and Jeremy Martin, University of Kansas.

Geometric Function Theory (Code: SS 14A), Lukas Geyer, Montana State University, and Donald Marshall and Steffen Rohde, University of Washington.

Geometric Structures and PDEs (Code: SS 8A), Charles Boyer and Dimiter Vassilev, University of New Mexico.

Harmonic Analysis and Partial Differential Equations (Code: SS 5A), Matthew Blair, University of New Mexico, and Hart Smith, University of Washington.

Kleinian Groups and Teichmüller Theory (Code: SS 15A), Kasra Rafi, University of Oklahoma, Hossein Namaze, University of Texas, and Kenneth Bromberg, University of Utah.

Positivity in Noncommutative Settings (Code: SS 12A), Roger Roybal, California State University Channel Islands, and Terry Loring, University of New Mexico.

Random Matrix Theory and Applications (Code: SS 13A), Ioana Dumitriu, University of Washington, and Raj Rao, University of Michigan.

Selected Topics in Analysis and Numerics for PDEs (Code: SS 11A), Thomas Hagstrom, Southern Methodist University, and Stephen Lau and Jens Lorenz, University of New Mexico.

Strongly-nonlinear Phenomena: Theory and Applications to Nonlinear Optics, Hydrodynamics, Bose-Einstein Condensation and Biology (Code: SS 9A), Alejandro Aceves, Southern Methodist University, and Alexander Korotkevich and Pavel Lushnikov, University of New Mexico.

Subjects in between Pure and Applied Mathematics (Code: SS 7A), Hanna Makaruk and Robert Owczarek, Los Alamos National Laboratory.

Topics in Geometric Group Theory (Code: SS 1A), Matthew Day, California Institute of Technology, Daniel Peter Groves, University of Illinois at Chicago, Jason Manning, SUNY at Buffalo, and Henry Wilton, California Institute of Technology.

Trends in Commutative Algebra (Code: SS 3A), Louiza Fouli, New Mexico State University, and Janet Vassilev, University New Mexico.

## Newark, New Jersey

## New Jersey Institute of Technology

May 22-23, 2010
Saturday - Sunday
Meeting \#1060
Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: March 2010
Program first available on AMS website: April 8, 2010

Program issue of electronic Notices: May 2020
Issue of Abstracts: Volume 31, Issue 3

## Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: March 30, 2010
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.htm7.

## Invited Addresses

Simon Brendle, Stanford University, Hamilton's Ricci flow and the sphere theorem in geometry.

Konstantin M. Mischaikow, Rutgers University, Computational topology applied to the global dynamics of nonlinear systems.

Ricardo H. Nochetto, University of Maryland, Curvature driven flows in deformable domains.

Richard E. Schwartz, Brown University, Polygonal outer billiards.

## Special Sessions

Automorphic Forms, L-functions, and Applications (Code: SS 6A), Ameya Pitale, American Institute of Mathematics, and Anantharam Raghuram, Oklahoma State University.

Biomembranes: Modeling, Analysis, and Computation (Code: SS 16A), Ricardo H. Nochetto and Dionisios Margetis, University of Maryland.

Elliptic and Parabolic Problems in Geometry (Code: SS 12A), Simon Brendle, Stanford University, and Mu-Tao Wang, Columbia University.

Expandable Computations, Algorithms, Methodologies and Experiments for Engineering Interpretation (Code: SS 1A), Mustapha S. Fofana, Worcester Polytechnic Institute, Marie D. Dahleh, Harvard School of Engineering and Applied Sciences, Harvard University, and Kenji Kawashima, Precision and Intelligence Laboratory, Tokyo Institute of Technology.

Financial Mathematics (Code: SS 9A), Tim S.T. Leung, Johns Hopkins University.

Graph Theory (Code: SS 10A), Nathan W. Kahl, Seton Hall University, Michael J. Ferrara, University of Colorado at Denver, and Arthur H. Busch, University of Dayton.

Groups, Computations, and Applications (Code: SS 2A), Delaram Kahrobaei, City University of New York.

Homology Theories for Knots and Skein Modules (Code: SS 3A), Mikhail Khovanov, Columbia University, and Jozef H. Przytycki and Radmila Sazdanovic, George Washington University.

Invariants of Knots, Links, and 3-Manifolds (Code: SS 4A), Abhijit Champanerkar and Ilya S. Kofman, College of Staten Island, CUNY, and Philip J. P. Ording, Medgar Evers College, CUNY.

Lie Algebras and Representation Theory (Code: SS 8A), Gautam Chinta, City College, City University of New York, Andrew Douglas, New York City College of Technology,

City University of New York, and Bart Van Steirteghem, Medgar Evers College, City University of New York.

Logic and Groups (Code: SS 17A), Peggy Dean, Claire Wladis, and Marcos Zyman, Borough of Manhattan Community College, City University of New York.

Mathematical Neuroscience: Modeling, Analysis, and Simulations (Code: SS 14A), Horacio G. Rotstein, New Jersey Institute of Technology.

Mathematics and Computations of Fluid Dynamics (Code: SS 15A), Yuan N. Young, New Jersey Institute of Technology.

Mathematics of Optics and Matter Waves (Code: SS 13A), Roy Goodman, New Jersey Institute of Technology.

Nonlinear Waves (Code: SS 19A), A. David Trubatch, Montclair State University.

Recent Trends in Cayley Graphs to Model Interconnection Networks (Code: SS 18A), Daniela Ferrero, Texas State University, and Beth Novick, Clemson University.

Teichmüller Theory, Hyperbolic Geometry, and Complex Dynamics (Code: SS 5A), Zheng Huang, College of Staten Island, CUNY, and Ren Guo, University of Minnesota.

Topological and Computational Dynamics (Code: SS 7A), Jean-Philippe Lessard, Institute for Advanced Study and Rutgers University, and Konstantin M. Mischaikow, Rutgers University.

Vortex Dynamics: Theory and Applications (Code: SS 11A), Denis Blackmore, New Jersey Institute of Technology, Morten Brøns, Technical University of Denmark, and Chjan Lim, Rochester Polytechnic Institute.

## Accommodations

Participants should make their own arrangements directly with the hotel. When making a reservation identify yourself as attending the AMS Meeting at the New Jersey Institute of Technology. The AMS is not responsible for rate changes or for the quality of the accommodations. Hotels have varying cancellation or early checkout penalties; be sure to ask for details when making your reservation.

Hampton Inn, 100 Passaic Avenue, Harrison, NJ 07102, phone 973-483-1900. Rates start at US\$129 per night, plus occupancy tax for single/double rooms. Refer to the group code: AMS. Deadline for reservations is April 21, 2010. Be sure to check the cancellation policy. Amenities include: Shuttle to/ from airport and NJIT from 7:00 a.m. to 11:00 p.m., complimentary continental breakfast, complimentary high speed wireless Internet access in public areas and guest rooms, fitness center, and restaurant. The hotel is approximately one mile to campus. For more information please visit http://www. hamptoninnandsuitesnewark. com/.

Hilton Newark Gateway, 1 Gateway Center, Newark, NJ 07102, phone: 973-622-5000. Rates start at US\$139 per night, plus occupancy tax single/double rooms. Deadline for reservations is April 21, 2010. Be sure to check the cancellation policy. There is a complimentary shuttle to and from the airport. At the airport, follow signs to the Monorail station P4 and look for the Hilton Newark Gateway shuttle. Overnight parking is US\$21 per day. Wireless Internet is US\$5.95 per day. The hotel is approximately 1.5 miles to campus. For more informa-
tion please visit http://www1.hilton.com/en_US/hi/ hote1/EWRHGHF-Hilton-Newark-Penn-Station-NewJersey/services.do.

Daily Dormitory Rates at New Jersey Institute of Technology:

All rooms share a bathroom. All rooms are lockable, include desks and have beds with linens (that will need to be made by the guest). Linens and towels are provided once at the beginning of the stay.

Private Room (Single) US\$54
Shared Room (Double) US\$43
Linen will be an additional US\$10 per person for any stay less than one week.

For reservations contact: Sandy Worley, Assistant Director of Residence Life, 180 Bleeker Street, Newark, NJ 07103; Phone: 973-596-3039; Fax: 973-596-8197; email: res7ife@njit.edu; Web: http://www.njit.edu/ reslife.

## Special Information

The AMS sectional meeting will be held in conjunction with the 2010 Frontiers in Applied and Computational Mathematics (FACM) meeting. The FACM meetings are held annually at NJIT, with the 2010 meeting to run May 21-23, 2010, with a focus on mathematical fluid dynamics. For further information see the FACM website: http://m. njit.edu/Events/FACM10/.

## Food Service

Food and beverages within easy walking distance during the meeting can be found in the following places: NJIT Campus Center, Rutgers-Newark Campus Center-right across the street (MLK Blvd.) from NJIT; Essex County College Campus Center-two blocks west along MLK Blvd. of NJIT; Two Subway restaurants within two blocks of campus on Central Ave.; Kilkenny Alehouse, 27 Central Ave.; McGovern's Tavern, 58 New St. Please see Campus Map for exact locations. Also, a list of these and other local restaurants will be available at the registration desk.

## Local Information and Campus Map

To view a campus map please visit: http://www. njit.edu/about/visit/njit-buildings.php. Also, the link to the NJIT neighborhood (University Heights) map is: http://www.njit.edu/about/visit/ universityheights.php.

## Other Activities

AMS Book Sale: Stop by the on-site AMS Bookstore-review the newest titles from the AMS, enter the FREE book drawing, enjoy up to $25 \%$ off all titles or even take home the new AMS T-shirt! 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.

## Parking

Parking for all AMS meeting attendees is to be provided in the Parking Deck (\#19 on the campus map).

## Registration and Meeting Information

Registration will take place in the Lobby area on the first floor of Kupfrian Hall, from 7:30 a.m. to 4:00 p.m. on Saturday, May 22, and 8:00 a.m. to noon on Sunday, May 23. Special Sessions will take place in Kupfrian Hall and Cullimore Hall.

Registration fees: (payable on-site only) US\$40/AMS members; US\$60/nonmembers; US\$5/emeritus members, students, or unemployed mathematicians. Fees are payable by cash, check, VISA, Mastercard, Discover, or American Express.

## Travel

Driving Directions-(Note: for destination information for NJIT please use the following address: 154 Summit Street, Newark, NJ 07102.)

Garden State Parkway (GSP): Take exit 145 to Route 280 East, then follow Route 280 East directions.

New Jersey Turnpike: Take exit 15W to Route 280 West, then follow Route 280 West directions.

Route 280 West: After drawbridge, take Exit 14B (Broad Street/MLK Blvd.). At bottom of exit ramp, make a left. Go one block to stop sign. Make a left on MLK Blvd. Go five lights to Warren Street. Make a right on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to NJIT Parking Deck.

Route 280 East: Take Exit 13 (First Street/Newark). At light, make a right on First Street. Go three lights to W. Market Street. Make the soft left on W. Market Street. Go four lights to MLK Blvd. Make a left on MLK Blvd. Go one light to Warren Street. Make a left on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to NJIT Parking Deck.

Route 1 \& 9 North \& South: Take exit marked Newark, Route 21 (McCarter Highway). Get in the right lane on the bridge and take the Broad Street exit. Go about 1 mile. Make a left on Court Street. Make a right at third light on MLK Blvd. Make a left at fifth light on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to NJIT Parking Deck.

Route 78: Take Route 78 to the Garden State Parkway. Follow GSP directions.

Route 22: Take Route 22 to Route 21 North. Follow directions for Route 21 North.

Route 21 North: Get in the right lane on the bridge and take the Broad Street exit. Go about 1 mile. Make a left on Court Street. Make a right at third light on MLK Blvd. Make a left at fifth light on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to the NJIT Parking Deck.

Route 21 South: From 21 South, turn right on Bridge Street shortly after passing beneath Route 280 overpass. Turn left on Broad Street. Go one block and turn right on Washington Place. Go one block and turn left on Halsey Street. Go one block and turn right on Central Avenue.

Make the third left on MLK Blvd. At first light, turn right on Warren Street. Go two blocks to Colden Street. Make a left on Colden Street. Follow signs to NJIT Parking Deck.

New York Thruway: Thruway to Exit 14A, Garden State Parkway. Follow GSP directions above.

George Washington Bridge: NJ Turnpike South to Exit 15W. Follow Route 280 West directions above.

Lincoln Tunnel: West on Route 3 to NJ Turnpike South to Exit 15W. Follow Route 280 West directions above.

From Brooklyn, Queens and Long Island: Take Verraz-ano-Narrows Bridge (Interstate 278) and follow 278 across Staten Island. Cross Goethels Bridge. Follow signs to New Jersey Turnpike North then follow New Jersey Turnpike directions above.

Public Transportation: In addition to the information below please visit http://www.njtransit. com/var/var_servlet.srv?hdnPageAction=NLRTo/ Newark_Broad_St_Station.htm1.

## Newark Liberty International Airport

Five miles from NJIT campus. A minibus (Newark Airlink) or taxi service connects the airport with Penn Station in Newark. Bus, city subway, and taxi connections may be obtained at the station. (Note: Train service is available directly from Newark Liberty International Airport to Newark Penn Station.)

## Newark Penn Station

Connections to the NJIT campus may be made by bus, city subway, or taxi.

## Morris \& Essex Line Broad Street Station

A five-block walk to the NJIT campus via MLK Blvd. or University Ave. to Central Avenue. Taxi service is also available for a minimal price. NJ Transit Light Rail is also available. (Note: the Light Rail route requires a switch at Newark's Penn Station; this mode of transport will take you some time).

## Car Rental

Avis is the official car rental company for the sectional meeting in New Jersey. All rates include unlimited free mileage. Weekend daily rates are available from noon Thursday to Monday at 11:59 p.m. Rates do not include any state or local surcharges, tax, optional overages, or gas refueling charges. Renters must meet Avis's age, driver, and credit requirements. For the best available rate and to make a reservation please call Avis at 800-331-1600 or go online at http://www.avis.com. Please use the AMS meeting Avis Discount Number J098887.

## Weather

May weather is generally pleasant with average high temperatures of 72 degrees and average low temperatures of 49 degrees. The median temperature is 60 degrees. Average precipitation is 4.42 inches. For-up-to-theminute weather please visit http://www.weather.com/ outlook/driving/loca1/USNM0004.

## 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 U.S. found at http://www7. nationalacademies.org/visas/Traveling_to_ US.htm1 and http://trave1.state.gov/visa/index. htm7. If you need a preliminary conference invitation in order to secure a visa, please send your request to d1s@ 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 U.S. 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 to be considered complete. Please visit the websites above for the most up-to-date information.

## Berkeley, California

## University of California Berkeley

June 2-5, 2010
Wednesday - Saturday

## Meeting \#1061

Eighth Joint International Meeting of the AMS and the Sociedad Matemática Mexicana.
Associate secretary: Susan J. Friedlander
Announcement issue of Notices: April 2010
Program first available on AMS website: April 22, 2010

Program issue of electronic Notices: June 2010
Issue of Abstracts: Volume 31, Issue 3

## Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: February 16, 2010
For abstracts: April 13, 2010
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ internmtgs.htm7.

## Invited Addresses

Alejandro Adem, University of British Columbia and PIMS, Homotopy theory and spaces of representations.

Peter W-K Li, University of California Irvine, What do we know about open manifolds?

Ernesto Lupercio, CINVESTAV, Title to be announced.
Victor Perez Abreu, CIMAT, On convolutions and infinite divisibility of probability measures.

Alberto Verjovsky, IM-UNAM, Title to be announced.
Maciej Zworski, University of California Berkeley, Random perturbations in discrete quantization.

## Special Sessions

Algebraic Topology and Related Topics (Code: SS 3A), Alejandro Adem, University of British Columbia, Gunnar E. Carlsson and Ralph L. Cohen, Stanford University, and Ernesto Lupercio, CINVESTAV.

Analytic Aspects of Differential Geometry (Code: SS 2A), Nelia Charalambous, ITAM, Lizhen Ji, University of Michigan, and Jiaping Wang, University of Minnesota.

Commutative Algebra and Representation Theory
(Code: SS 7A), David Eisenbud and Daniel M. Erman, University of California, Berkeley, Jose Antonio de la Pena, UNAM, and Rafael Villareal, Cinvestav-IPN. Complex Analysis and Operator Theory (Code: SS 10A), Maribel Loaiza, Enrique Ramirez de Arellano, and Nikolai Vasilevski, CINVESTAV, Ilya M. Spitkovsky, College of William \& Mary, and Kehe Zhu, State University of New York at Albany.

Dynamical Systems (Code: SS 4A), Alberto Verjovsky, IM-UNAM, and Rodrigo Perez, Indiana University-Purdue University, Indianapolis.

Graph Theory and Combinatorics with Emphasis on Geometric and Topological Aspects (Code: SS 9A), Gelasio Salazar, Instituto de Fisica, Universidad Autonoma de San Luis Potosi, and Dan S. Archdeacon, University of Vermont.

Harmonic Analysis, Microlocal Analysis, and Partial Differential Equations (Code: SS 1A), Gunther Uhlmann, University of Washington, and Salvador Perez Esteva, UNAM. Low-Dimensional Topology (Code: SS 8A), Kenneth L. Baker, University of Miami, and Enrique Ramirez Losada, CIMAT.

Singularity Theory and Algebraic Geometry (Code: SS 6A), David Eisenbud, University of California, Berkeley, Anatoly S. Libgober, University of Illinois at Chicago, Jose Seade, UNAM, and Xavier Gomez-Mont, CIMAT.

Toeplitz Operators and Discrete Quantum Models (Code: SS 5A), Alejandro Uribe, University of Michigan, and Maciej Zworski, University of California, Berkeley.

## Syracuse, New York <br> Syracuse University

## October 2-3, 2010

Saturday - Sunday

## Meeting \#1062

## Eastern Section

Associate secretary: Steven H. Weintraub
Announcement issue of Notices: June/July 2010
Program first available on AMS website: August 19, 2010
Program issue of electronic Notices: October
Issue of Abstracts: Volume 31, Issue 4

## Deadlines

For organizers: March 2, 2010
For consideration of contributed papers in Special Sessions: June 15, 2010
For abstracts: August 10, 2010
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.htm1.

## Invited Addresses

Alan Frieze, Carnegie-Mellon University, Title to be announced.

Yan Guo, Brown University, Title to be announced.
William Minicozzi, Johns Hopkins University, Title to be announced.

Andrei Zelevinsky, Northeastern University, Title to be announced.

## Special Sessions

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

Graphs Embedded in Surfaces, and Their Symmetries (Code: SS 4A), Jack E. Graver and Mark E. Watkins, Syracuse University.

Mathematical Image Processing (Code: SS 5A), Lixin Shen and Yuesheng Xu, Syracuse University.

Nonlinear Analysis and Geometry (Code: SS 1A), Tadeusz Iwaniec, Leonid V. Kovalev, and Jani Onninen, Syracuse University.

Several Complex Variables (Code: SS 3A), Dan F. Coman and Evgeny A. Poletsky, Syracuse University.

## Los Angeles, California

## University of California Los Angeles

October 9-10,2010
Saturday - Sunday

## Meeting \#1063

Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: August 2010
Program first available on AMS website: August 26, 2010
Program issue of electronic Notices: October 2010
Issue of Abstracts: Volume 31, Issue 4

## Deadlines

For organizers: March 10, 2010
For consideration of contributed papers in Special Sessions: June 22, 2010
For abstracts: August 17, 2010
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.htm1.

## Invited Addresses

Greg Kuperberg, University of California Davis, Title to be announced.

Cris Moore, University of New Mexico, Title to be announced.

Stanley Osher, University of California Los Angeles, Title to be announced.

Terence Tao, University of California Los Angeles, Title to be announced (Einstein Public Lecture in Mathematics).

Melanie Wood, Princeton University, Title to be announced.

## Special Sessions

Applications of Nonlinear PDE (Code: SS 5A), Susan J. Friedlander and Igor Kukavica, University of Southern California.

Combinatorics and Probability on Groups (Code: SS 3A), Jason Fulman and Robert Guralnick, University of Southern California, and Igor Pak, University of California Los Angeles.

Extremal and Probabilistic Combinatorics (Code: SS 4A), Benny Sudakov, University of California Los Angeles, and Jacques Verstraete, University of California San Diego.

Large Cardinals and the Continuum (Code: SS 2A), Matthew Foreman, University of California Irvine, Alekos Kechris, California Institute for Technology, Itay Neeman, University of California Los Angeles, and Martin Zeman, University of California Irvine.

Mathematical Models of Random Phenomena (Code: SS 7A), Mark Burgin, University of California Los Angeles, and Alan C. Krinik, California State Polytechnic University Pomona.

Recent Trends in Probability and Related Fields (Code: SS 6A), Marek Biskup, University of California Los Angeles, Yuval Peres, Microsoft Research, and Sebastien Roch, University of California Los Angeles.

Topology and Symplectic Geometry (Code: SS 1A), Robert Brown and Ciprian Manolescu, University of California Los Angeles, and Stefano Vidussi, University of California Riverside.

## Notre Dame, Indiana

## Notre Dame University

November 5-7, 2010
Friday - Sunday

## Meeting \#1064

Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: September 2010
Program first available on AMS website: September 23, 2010
Program issue of electronic Notices: November 2010
Issue of Abstracts: Volume 31, Issue 4

## Deadlines

For organizers: March 8, 2010
For consideration of contributed papers in Special Sessions: July 27, 2010
For abstracts: September 14, 2010
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.htm1.

## Invited Addresses

Laura DeMarco, University of Illinois at Chicago, Title to be announced.

Jordan Ellenberg, University of Wisconsin, Title to be announced.

David Fisher, Indiana University, Title to be announced.
Jared Wunsch, Northwestern University, Title to be announced.

## Special Sessions

Algebraic and Topological Combinatorics (Code: SS 9A), John Shareshian, Washington University, and Bridget Tenner, DePaul University.

Commutative Algebra and Its Interactions with Algebraic Geometry (Code: SS 2A), Claudia Polini, University of Notre Dame, Alberto Corso, University of Kentucky, and Bernd Ulrich, Purdue University.

Groups, Representations, and Characters (Code: SS 4A), James P. Cossey, University of Akron, and Mark Lewis, Kent State University.

Hilbert Functions in Commutative Algebra and Algebraic Combinatorics (Code: SS 3A), Fabrizio Zanello, Michigan Technological University, Juan Migliore, University of Notre Dame, and Uwe Nagel, University of Kentucky.

Interdisciplinary Session on Deterministic and Stochastic Partial Differential Equations (Code: SS 5A), Nathan GlattHoltz, Indiana University, and Vlad Vicol, University of Southern California.

Nonlinear Evolution Equations (Code: SS 7A), Alex Himonas and Gerard Misiolek, University of Notre Dame.

Number Theory and Physics (Code: SS 8A), Adrian Clingher, University of Missouri St. Louis, Charles Doran, University of Alberta, Shabnam N. Kadir, Wilhelm Leibniz Universitat, and Rolf Schimmrigk, Indiana University.

Quasigroups, Loops, and Nonassociative Division Algebras (Code: SS 6A), Clifton E. Ealy, Western Michigan University, Stephen Gagola, University of Arizona, Julia Knight, University of Notre Dame, J. D. Phillips, Northern Michigan University, and Petr Vojtechovsky, University of Denver.

Singularities in Algebraic Geometry (Code: SS 1A), Nero Budur, University of Notre Dame, and Lawrence Ein, University of Illinois at Chicago.

## Richmond, Virginia

## University of Richmond

November 6-7, 2010
Saturday - Sunday

## Meeting \#1 065

Southeastern Section
Associate secretary: Matthew Miller
Announcement issue of Notices: September 2010
Program first available on AMS website: September 23, 2010
Program issue of electronic Notices: November
Issue of Abstracts: Volume 31, Issue 4

## Deadlines

For organizers: March 8, 2010
For consideration of contributed papers in Special Sessions: July 27, 2010
For abstracts: September 14, 2010
The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.htm7.

## Invited Addresses

Matthew H. Baker, Georgia Institute of Technology, Title to be announced.

Michael J. Field, University of Houston, Title to be announced.

Sharon R. Lubkin, North Carolina State University, Title to be announced.

Stefan Richter, University of Tennessee, Knoxville, Title to be announced.

## Special Sessions

Operator Theory (Code: SS 2A), Stefan Richter, University of Tennessee, and William T. Ross, University of Richmond.

## Pucon, Chile

## December 15-18, 2010

Wednesday - Saturday

## Meeting \#1 066

First Joint International Meeting between the AMS and the Sociedad de Matematica de Chile.
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: June 2010
Program first available on AMS website: To be announced Program issue of electronic Notices: To be announced Issue of Abstracts: To be announced

## Deadlines

For organizers: April 15, 2010
For consideration of contributed papers in Special Sessions: 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/ internmtgs.htm1.

## AMS Invited Addresses

Ricardo Baeza, Universidad de Talca, Chile, Title to be announced.

Igor Dolgachev, University of Michigan, Title to be announced.

Andres Navas, Universidad de Santiago de Chile, Title to be announced.

Rodolfo Rodriguez, Universidad de Concepcion, Title to be announced.

Gunther Uhlmann, University of Washington, Title to be announced.
S. R. Srinivasa Varadhan, New York University, Title to be announced.

## AMS Special Sessions

Arithmetic of Quadratic Forms and Integral Lattices Maria Ines Icaza, Universidad de Talca, Chile, Wai Kiu Chan, Wesleyan University, and Ricardo Baeza, Universidad de Talca, Chile.

Automorphic Forms and Dirichlet Series, Yves Martin, Universidad de Chile, Chile, and Solomon Friedberg, Boston College.

Complex Algebraic Geometry, Giancarlo Urzua and Eduardo Cattani, University of Massachusetts.

Foliations and Dynamics, Andrés Navas, Universidad de Santiago de Chile, and Rostislav Grigorchuk, University of Texas.

Group Actions: Probability and Dynamics, Andres Navas, Universidad de Santiago de Chile, and Rostislav Grigorchuk, University of Texas.

Non-Associative Algebras, Alicia Labra, Universidad de Chile, and Kevin McCrimmon, University of Virginia.

## New Orleans, Louisiana

## New Orleans Marriott and Sheraton New Orleans Hotel

January 5-8, 2011
Wednesday - Saturday
Joint Mathematics Meetings, including the 117th Annual Meeting of the AMS, 94th 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 for 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 2010
Program first available on AMS website: November 1, 2010
Program issue of electronic Notices: January 2011
Issue of Abstracts: Volume 32, Issue 1

## Deadlines

For organizers: April 1, 2010
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

## Statesboro, Georgia

## Georgia Southern University

March 12-13,2011
Saturday - Sunday
Southeastern Section
Associate secretary: Matthew Miller
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced Program issue of electronic Notices: To be announced Issue of Abstracts: To be announced

## Deadlines

For organizers: August 12, 2010
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

## Iowa City, Iowa

## University of Iowa

March 18-20, 2011
Friday - Sunday
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: To be announced Program first available on AMS website: To be announced Program issue of electronic Notices: To be announced Issue of Abstracts: To be announced

## Deadlines

For organizers: July 16, 2010
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

## Worcester, Massachusetts

College of the Holy Cross

April 9-10, 2011
Saturday - Sunday
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 Program issue of electronic Notices: To be announced Issue of Abstracts: To be announced

## Deadlines

For organizers: September 9, 2010
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

## Las Vegas, Nevada

## University of Nevada

## April 30-May 1, 2011

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 Program issue of electronic Notices: To be announced Issue of Abstracts: To be announced

## Deadlines

For organizers: To be announced
For consideration of contributed papers in Special Sessions: 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.htm7.

## Special Sessions

Advances in Modeling, Numerical Analysis and Computations of Fluid Flow Problems (Code: SS 2A), Monika Neda, University of Nevada Las Vegas.

Geometric PDEs (Code: SS 1A), Matthew Gursky, Notre Dame University, and Emmanuel Hebey, Universite de Cergy-Pontoise.

## Lincoln, Nebraska

## University of Nebraska-Lincoln

October 14-16, 2011
Friday - Sunday
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: August 2011
Program first available on AMS website: To be announced Program issue of electronic Notices: October 2011
Issue of Abstracts: To be announced

## Deadlines

For organizers: To be announced
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

## Salt Lake City, Utah

## University of Utah

October 22-23, 2011
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 Program issue of electronic Notices: To be announced Issue of Abstracts: To be announced

## Deadlines

For organizers: To be announced
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

# Boston, Massachusetts 

John B. Hynes Veterans Memorial Convention Center, Boston Marriott Hotel, and Boston Sheraton Hotel

## January 4-7, 2012

Wednesday - Saturday
Joint Mathematics Meetings, including the 118th Annual Meeting of the AMS, 95th 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 for Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: October 2011
Program first available on AMS website: November 1, 2011
Program issue of electronic Notices: January 2012
Issue of Abstracts: Volume 33, Issue 1

## Deadlines

For organizers: April 1, 2011
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

## San Diego, California

## San Diego Convention Center and San Diego Marriott Hotel and Marina

## January 9-12, 2013

Wednesday - Saturday
Joint Mathematics Meetings, including the 119th Annual Meeting of the AMS, 96th 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 for Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Georgia Benkart
Announcement issue of Notices: October 2012
Program first available on AMS website: November 1, 2012
Program issue of electronic Notices: January 2012
Issue of Abstracts: Volume 34, Issue 1

## Deadlines

For organizers: April 1, 2012
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

# Baltimore, Maryland 

Baltimore Convention Center, Baltimore Hilton, and Marriott Inner Harbor

January 15-18, 2014
Wednesday - Saturday
Joint Mathematics Meetings, including the 120th Annual Meeting of the AMS, 97th 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 for Symbolic Logic, with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Matthew Miller
Announcement issue of Notices: October 2013
Program first available on AMS website: November 1, 2013
Program issue of electronic Notices: January 2013
Issue of Abstracts: Volume 35, Issue 1

## Deadlines

For organizers: April 1, 2013
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

## San Antonio, Texas

## Henry B. Gonzalez Convention Center and Grand Hyatt San Antonio

## January 10-13, 2015

Saturday - Tuesday
Joint Mathematics Meetings, including the 121st Annual Meeting of the AMS, 98th 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: Steven H. Weintraub
Announcement issue of Notices: October 2014
Program first available on AMS website: To be announced Program issue of electronic Notices: January 2015
Issue of Abstracts: Volume 36, Issue 1

## Deadlines

For organizers: April 1, 2014
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

# Seattle, Washington 

Washington State Convention \& Trade Center and the Sheraton Seattle Hotel

## January 6-9, 2016 <br> Wednesday - Saturday

Joint Mathematics Meetings, including the 122nd Annual Meeting of the AMS, 99th 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: Michel L. Lapidus
Announcement issue of Notices: October 2015
Program first available on AMS website: To be announced Program issue of electronic Notices: January 2016
Issue of Abstracts: Volume 37, Issue 1

## Deadlines

For organizers: April 1, 2015
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

## Atlanta, Georgia

## Hyatt Regency Atlanta and Marriott Atlanta Marquis

## January 4-7, 2017

Wednesday - Saturday
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: Georgia Benkart
Announcement issue of Notices: October 2016
Program first available on AMS website: To be announced Program issue of electronic Notices: January 2017
Issue of Abstracts: Volume 38, Issue 1

## Deadlines

For organizers: April 1, 2016
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

