Meetings & Conferences of the AMS

Rochester, New York
Rochester Institute of Technology
September 22–23, 2012
Saturday – Sunday

Meeting #1082
Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: June/July 2012
Program first available on AMS website: July 19, 2012
Program issue of electronic Notices: September 2012
Issue of Abstracts: Volume 33, Issue 3

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.html.

Invited Addresses

Dusa McDuff, Barnard College, Columbia University, Embedding questions in symplectic geometry.

Peter Winkler, Dartmouth College, New directions for random walk on a graph.

Special Sessions

Analytic Number Theory, Steve Gonek, University of Rochester, and Angel Kumchev, Towson University.

Applied and Computational Mathematics, Ludwig Kohaupt, Beuth University of Technology, and Yan Wu, Georgia Southern University.

Continuum Theory, Likin C. Simon Romero, Rochester Institute of Technology.

Difference Equations and Applications, Michael Radin, Rochester Institute of Technology.


Geometric Evolution Equations, Mihai Bailesteanu, University of Rochester, and Mao-Pei Tsui, University of Toledo.

Geometric, Categorical and Combinatorial Methods in Representation Theory, David Hemmer and Yiqiang Li, State University of New York at Buffalo.

Inverse Problems and Nonsmooth Optimization: Celebrating Zuhair Nashed’s 75th Birthday, Patricia Clark, Baasansuren Jadama, and Akhtar A. Khan, Rochester Institute of Technology, and Hulin Wu, University of Rochester.

James Keener, University of Utah, The mathematics of life—decisions, decisions.
Mathematical Image Processing, Nathan Cahill, Rochester Institute of Technology, and Lixin Shen and Yuesheng Xu, Syracuse University.

Microlocal Analysis and Nonlinear Evolution Equations, Raluca Felea, Rochester Institute of Technology, and Dan-Andrei Geba, University of Rochester.

Modern Relativity, Manuela Campanelli and Yosef Zlochower, Rochester Institute of Technology.

New Advances in Graph Theory, Jobby Jacob, Rochester Institute of Technology, and Paul Wenger, University of Colorado Denver.

Nonlinear Dynamics of Excitable Media, Elizabeth Cherry, Rochester Institute of Technology.

Nonlinear Partial Differential Equations in the Physical and Biological Sciences, Tony Harkin, Rochester Institute of Technology, and Doug Wright, Drexel University.

Operator Theory and Function Spaces, Gabriel T. Prajitura and Ruhan Zhao, State University of New York at Brockport.

Permutations Patterns, Algorithms, and Enumerative Combinatorics, Howard Skogman and Rebecca Smith, State University of New York at Brockport.

Probability and Statistical Physics, Wenbo Li, University of Delaware, and Carl Mueller and Shannon Starr, University of Rochester.

Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, Bernard Brooks, Darren Narayan, and Tamas Wiandt, Rochester Institute of Technology.

Symplectic and Contact Topology, Dusa McDuff, Barnard College, and Vera Vertesi, Massachusetts Institute of Technology.

Wavelet and Frame Theoretic Methods in Harmonic Analysis and Partial Differential Equations in Memory of Daryl Geller, Alex Iosevich, University of Rochester, and Azita Mayeli, City University of New York.

For abstracts: August 28, 2012

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

Invited Addresses


Lenhard Ng, Duke University, From holomorphic curves to knot invariants via the cotangent bundle.

Henry K. Schenck, University of Illinois at Urbana-Champaign, From approximation theory to algebraic geometry: The ubiquity of splines.

Milen Yakimov, Louisiana State University, Theandraskiewitsch-Dumas Conjecture.

Special Sessions

Algebraic Combinatorics: Rook Theory and Applications (Code: SS 4A), Mahir Bilen Can and Michael Joyce, Tulane University, and Jeff Remmel, University of California at San Diego.

Algebraic Structures over Commutative Rings (Code: SS 9A), Lee Klingler, Florida Atlantic University, Aihua Li, Montclair State University, and Ralph Tucci, Loyola University New Orleans.

Algebraic and Topological Combinatorics (Code: SS 10A), Alexander Engstrom and Matthew Stamps, Aalto University.

Analysis of Pattern Formation in Partial Differential Equations (Code: SS 8A), Xuefeng Wang, Tulane University.

Application of Functional Analytic Techniques to Nonlinear Boundary Value Problems (Code: SS 11A), John R. Graef and Lingju Kong, University of Tennessee at Chattanooga, and Bo Yang, Kennesaw State University.

Approximation Theory, Geometric Modelling, and Algebraic Geometry (Code: SS 7A), Henry Schenck, University of Illinois at Urbana-Champaign.


Combinatorial Commutative Algebra (Code: SS 1A), Chris Francisco, Oklahoma State University, Tai Huy Ha, Tulane University, and Adam Van Tuyl, Lakehead University.

Combinatorial Methods in Knot Theory (Code: SS 13A), Heather Russell, University of Southern California, and Oliver Dasbach, Louisiana State University.

Diffusion Processes in Biology (Code: SS 2A), Gustavo Didier, Tulane University, and Greg Forest, University of North Carolina, Charlotte.

Geometric and Algebraic Aspects of Representation Theory (Code: SS 12A), Pramod N. Achar, Louisiana State University, and Dijana Jakelić, University of North Carolina at Wilmington.

Interactions of Geometry and Topology in Low Dimensions (Code: SS 3A), John Etnyre, Georgia Tech, Rafal Komendarczyk, Tulane University, and Lenhard Ng, Duke University.
Quantum Groups and Noncommutative Algebraic Geometry (Code: SS 6A), Kailash C. Misra, North Carolina State University, and Milen Yakimov, Louisiana State University.

Stochastic Analysis: Current Directions and Applications (Code: SS 14A), Hui-Hsiung Kuo, Ambar Sengupta, and P. Sundar, Louisiana State University.

Akon, Ohio

University of Akron

October 20–21, 2012
Saturday – Sunday

Meeting #1084
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: August 2012
Program first available on AMS website: September 27, 2012
Program issue of electronic Notices: October 2012
Issue of Abstracts: Volume 33, Issue 4

Deadlines
For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: September 4, 2012

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

Invited Addresses
Tanya Christiansen, University of Missouri, Title to be announced.
Tim Cochran, Rice University, Title to be announced.
Ronald Solomon, Ohio State University, Title to be announced.
Ben Weinkove, University of California San Diego, Title to be announced.

Special Sessions
A Survey of Lattice-Valued Mathematics and its Applications (Code: SS 18A), Austin Melton, Kent State University, and Stephen E. Rodabaugh, Youngstown State University.
Additive and Combinatorial Number Theory (Code: SS 14A), Tszi Ho Chan, University of Memphis, Kevin O'Bryant, City University of New York, and Gang Yu, Kent State University.
Applied Topology (Code: SS 9A), Peter Bubenik, Cleveland State University, and Matthew Kahle, Ohio State University.
Cayley Graph Computations and Challenges for Permutation Puzzle Groups (Code: SS 20A), Morley Davidson, Kent State University, and Tomas Rokicki, Radical Eye Software.

Commutative Algebra (Code: SS 8A), Livia Hummel, University of Indianapolis, and Sean Sather-Wagstaff, North Dakota State University.
Complex Analysis and its Broader Impacts (Code: SS 5A), Mehmet Celik, University of North Texas at Dallas, Alexander Izzo, Bowling Green State University, and Sonmez Sahutoglu, University of Toledo.
Complex Geometry and Partial Differential Equations (Code: SS 4A), Gabor Szekelyhidi, University of Notre Dame, Valentino Tosatti, Columbia University, and Ben Weinkove, University of California San Diego.
Extremal Graph Theory (Code: SS 2A), Arthur Busch, University of Dayton, and Michael Ferrara, University of Colorado Denver.
Geometry of Algebraic Varieties (Code: SS 12A), Ana-Marie Castravet, Emanuele Macri, and Hsian-Hua Tseng, The Ohio State University.
Groups, Representations, and Characters (Code: SS 1A), Mark Lewis, Kent State University, Adrian Canciu, Otterbein University, and Ronald Solomon, Ohio State University.
Harmonic Analysis and Convexity (Code: SS 7A), Benjamin Jayne, Dmitry Ryabogin, and Artem Zvavitch, Kent State University.
Interactions Between Geometry and Topology (Code: SS 22A), Dan Farley, Miami University, Jean-Francois Lafont, Ohio State University, and Ivonne J. Ortiz, Miami University.
Knot Theory and 4-Manifolds (Code: SS 15A), Tim Cochran and Christopher Davis, Rice University, and Kent Orr, Indiana University.
Noncommutative Ring Theory (Code: SS 6A), S. K. Jain, Ohio University, and Greg Marks and Ashish Srivastava, St. Louis University.
Nonlinear Partial Differential Equations and Harmonic Analysis (Code: SS 19A), Diego Maldonado, Kansas State University, Truyen Nguyen, University of Akron, and Nguyen Cong Phuc, Louisiana State University.
Nonlinear Waves and Patterns (Code: SS 11A), Anna Ghazaryan and Vahagn Manukian, Miami University.
Separate versus Joint Continuity—a Tribute to Professor I. Namioka (Code: SS 23A), Zbigniew Piotrowski and Eric J. Wingler, Youngstown State University.
Spectral, Scattering, and Inverse Scattering Theory (Code: SS 3A), Tanya Christiansen, University of Missouri, and Peter Hislop and Peter Perry, University of Kentucky.
Statistical Genetics and Applications (Code: SS 17A), Omar De La Cruz, Case Western Reserve University.
Stochastic Processes and Applications (Code: SS 16A), Oana Mocioalca, Kent State University.
Toric Algebraic Geometry and Beyond (Code: SS 13A), Kiumars Kaveh, University of Pittsburgh, Benjamin Nill, Case Western Reserve University, and Ivan Soprunov, Cleveland State 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 the state and local taxes (15%). Participants must state that they are with the American Mathematical Society (AMS) Meeting at University of Akron 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.

Quaker Square Inn, 135 South Broadway, Akron, Ohio 44325; 330-253-5970; www.quakersquare.com. Rates are US$94 per night for single/double occupancy and US$109 for an executive room. Amenities include complimentary daily hot breakfast buffet, free parking, and free wireless Internet in guest rooms. This property is located approximately one mile from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. The deadline for reservations at this rate is September 20, 2012.

Ramada Plaza/Akron City Centre Hotel*, 20 West Mill Street, Akron, Ohio 44308; 330-384-1500; http://www.akroncitycentrehotel.com. Rates are US$79 per night for single/double occupancy. Amenities include complimentary wireless in rooms; complimentary health facility; glass-enclosed, roof-top pool. This property is located approximately one mile from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. *Please note: this property has recently changed to a Ramada and was previously known as The Akron City Centre Hotel. The deadline for reservations at this rate is September 19, 2012.

Sheraton Suites in Cuyahoga Falls, 1989 Front Street, Cuyahoga Falls, Ohio; 330-929-3000; http://www.sheratonakron.com. Rates are US$119 per night for single/double occupancy. Amenities include fitness center, complimentary parking; and high speed Internet in guest rooms; as well as complimentary access to the city Natatorium where you'll find a jogging track, racquetball, steam room, group fitness classes, and a water slide. This property is located approximately 5.5 miles from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. The deadline for reservations at this rate is September 26, 2012.

DoubleTree by Hilton, 3150 W. Market Street, Akron, Ohio 44333; 330-869-9000 or 1-800-Hiltons (toll free); http://www.doubletreeakron.com. Rates are US$105 per night for single/double occupancy. Amenities include complimentary parking and Internet access in guest rooms. This property is located approximately 23 miles from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. The deadline for reservations at this rate is September 28, 2012.

Food Services
On Campus: Campus facilities will be available during the weekend of the meeting. There are a number of options in the Student Union, Robertson Hall, and the Exchange Street Residence Hall.

Student Union:
Ohio Burger, Saturday, 11:00 a.m.–7:00 p.m.; Sunday, 12:00 p.m.–7:00 p.m.
Subway, Saturday, 7:00 a.m.–6:00 p.m.; Sunday, 12:00 p.m.–8:00 p.m.
Union Market, Saturday, 11:00 a.m.–2:00 p.m.
Starbucks, Saturday, 8:00 a.m.–7:00 p.m.; Sunday, 12:00 p.m.–4:00 p.m.
Robertson Hall:
Rob's Cafe, Saturday, 10:00 a.m.–6:00 p.m.; Sunday, 10:00 a.m.–7:00 p.m.
Exchange Street Residence Hall:
Zee's Grill, Saturday, 11:00 a.m.–9:00 p.m.; Sunday 11:00 a.m.–9:00 p.m.

Off Campus:
Cilantro's, 326 South Main Street, offering Thai and sushi. Friday, 5:00 p.m.–9:30 p.m.; Saturday, 4:30 p.m.–11:00 p.m.; Sunday, 5:00 p.m.–9:30 p.m.
Barley House, 227 South Main Street, offering Irish/pub fare. Friday - Sunday, 11:00 a.m.–12:00 a.m.
House of Hunan, 12 E. Exchange Street, offering sushi, Thai, and Chinese cuisine. Friday, 11:00 a.m.–11:00 p.m.; Saturday, 12:00 p.m.–10:30 p.m.; closed Sunday.
Bricco, 1 W. Exchange Street, offering pizzas and pastas. Friday - Saturday, 11:00 a.m.–1:00 a.m.; Sunday, 3:00 p.m.–10:00 p.m.
Spaghetti Warehouse, 510 South Main Street, offering traditional Italian fare. Friday-Saturday, 11:00 a.m.–11:00 p.m.; Sunday, 11:00 a.m.–10:00 p.m.
Crave, 57 East Market Street, moderately priced global cuisine served in an imaginative yet comfortable setting. Friday, 11:00 a.m.–10:00 p.m.; Saturday, 5:00 p.m.–11:00 p.m.; closed Sunday.

Please visit http://www.downtownakron.com/enjoy/dining, for more dining options.

Registration and Meeting Information
Registration and the AMS book exhibit will be located in the lobby of the College of Arts and Sciences (CAS) building, at the corner of College and Buchtel. Special Sessions will be held in Olin Hall and Leigh Hall. Please refer to the campus map at http://www.uakron.edu/resources/campusMapNew/ for specific locations. The registration desk will be open on Saturday, October 20th, 7:30 a.m.–4:00 p.m. and Sunday, October 21st, 7:30 a.m.–12:00 p.m. Fees are US$53 for AMS members, US$74 for nonmembers; and US$5 for students, unemployed mathematicians, and emeritus members. Fees are payable on-site via cash, check, or credit card; advance registration is not available.

Other Activities
Reception and Poster Session: A reception and poster session, hosted by the University, will take place on Saturday, October 20th, 6:15 p.m.–7:30 p.m. in Ballroom C of the Quaker Square Inn (135 South Broadway.) The AMS thanks our hosts for their gracious hospitality.
Meetings & Conferences

Book Sales: Stop by the on-site AMS bookstore and review the newest titles from the AMS, enjoy up to 25% off all AMS publications, or take home an 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.

Local Information and Maps
This meeting will take place on the campus of the University of Akron. A campus map can be found at http://www.uakron.edu/resources/campusMapNew/. Information about the math department at the University of Akron may be found at http://www.uakron.edu/math/. Please watch the website available at http://www.ams.org/meetings/sectional/sectional.html for additional information on this meeting. Visit the University of Akron website at http://www.uakron.edu for additional information on the campus. You can find information about Akron at the Greater Akron area Chamber of Commerce site: http://www.greaterakronchamber.org/.

Parking
The North Parking Deck (on Buchtel Avenue) is the closest to the buildings hosting the conference and offers free parking for meeting participants. In order to park for free at the North Parking Deck, a permit is required; attendees need only to print a copy of the permit and place it in their car. You can download and print the parking permit here: http://www.ams.org/meetings/sectional/parking_permit_template.pdf. Permits will also be made available at the registration desk.

Travel
The University of Akron is 15 miles from Akron/Canton Regional Airport (CAK), and approximately 44 miles from Cleveland Hopkins International Airport (CLE).

By Air: Akron/Canton Regional Airport is about a twenty-minute drive from the university. There is an airport shuttle, car rental offices, and taxis available upon your arrival.

Cleveland Hopkins International Airport is about a fifty-minute drive from the university. Continental Airlines has a hub in this airport, and most major airlines fly to Cleveland.

The best way to get around the greater Akron area is by car, so renting a car is usually the best way to get from the airport to the university and back. Both airports servicing greater Akron and Cleveland have car rental facilities on site.

Akron/Canton Regional Airport is the closest and most convenient airport to the university. Taxicab stands are located near the Arrivals (Baggage Claim) exits of each terminal and no advanced reservations are required. Taxi fares are approximately US$40 to the university and Quaker Square Inn/Ramada Plaza. Taxi fares to the Sheraton/DoubleTree are around US$60. Taxis between Cleveland-Hopkins International Airport and the university or any hotel in Akron/Fairlawn/Cuyahoga Falls is approximately US$106.

By Car: From the east or west, take I76 to Ohio 8 north. The first exit off of 8 is Carrol/Buchtel, and the off ramp merges onto Fountain Street. Once on Fountain Street, continue north one block to Buchtel Avenue, and turn left. Follow Buchtel for about a quarter mile, and the College of Arts and Sciences building is on the southeast corner of Buchtel and College. The North Parking Deck is just past CAS on Buchtel, on the right.

From the south, take I77 north, and merge onto OH 8 (on the left). The first exit after the merge is Carrol/Buchtel, and continue as above.

From the north, take I77 south, or OH 8, and continue as above.

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, click on the box “I have a discount”, and type in our convention number (CV): 04N30002. You can also call Hertz directly at 800-654-2240 (U.S. 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.

Weather
The average high temperature for October is approximately 61 degrees Fahrenheit and the average low is approximately 43 degrees Fahrenheit. Rain is common for this time of year. Visitors should be prepared for inclement weather and check weather forecasts in advance of their arrival.

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://sites.nationalacademies.org/pga/biso/visas/ and http://travel.state.gov/visa/visa_1750.html. If you need a preliminary conference invitation in order to secure a visa, please send your request to mlk@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.

### Tucson, Arizona

**University of Arizona, Tucson**

**October 27–28, 2012**

*Saturday – Sunday*

**Meeting #1085**

Western Section

Associate secretary: Michel L. Lapidus

* Announcement issue of Notices: August 2012
* Program first available on AMS website: October 4, 2012
* Program issue of electronic Notices: October 2012
* Issue of Abstracts: Volume 33, Issue 4

**Deadlines**

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: September 11, 2012

* The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtg/sectional.html](http://www.ams.org/amsmtg/sectional.html).

**Invited Addresses**

- **Michael Hutchings**, University of California Berkeley, *Quantitative invariants in four-dimensional symplectic geometry.*
- **Jacob Sterbenz**, University of California San Diego, *Regularity of hyperbolic gauge field equations.*
- **Goufang Wei**, University of California, Santa Barbara, *Comparison results for Ricci curvature.*

**Special Sessions**

- **Analytical and Numerical Approaches in Nonlinear Systems: Collapses, Turbulence, Nonlinear Waves in Mathematics, Physics, and Biology** (Code: SS 9A), **Alexander Korotkevich** and **Pavel Lushnikov**, University of New Mexico.

- **Asymptotic Analysis of Random Matrices, Integrable Systems, and Applications** (Code: SS 13A), **Ken McLaughlin** and **Nick Ercolani**, University of Arizona.


- **Differential Equations and Biological Systems** (Code: SS 16A), **Patrick Shipman**, Colorado State University, and **Zoi Rapti**, University of Illinois at Urbana-Champaign.

- **Dispersion in Heterogeneous and/or Random Environments** (Code: SS 2A), **Rabi Bhattacharya**, Oregon State University, Corvallis, and **Edward Waymire**, University of Arizona.

- **Geometric Analysis and Riemannian Geometry** (Code: SS 4A), **David Glickenstein**, University of Arizona, **Goufang Wei**, University of California Santa Barbara, and **Andrea Young**, Ripon College.

- **Geometrical Methods in Mechanical and Dynamical Systems** (Code: SS 3A), **Akif Ibragimov**, Texas Tech University, **Vakhtang Putkadarze**, Colorado State University, and **Magdalena Toda**, Texas Tech University.

- **Harmonic Maass Forms and q-Series** (Code: SS 1A), **Ken Ono**, Emory University, **Amanda Folsom**, Yale University, and **Zachary Kent**, Emory University.

- **Hyperbolic Geometry** (Code: SS 18A), **Julien Paupert**, Arizona State University, and **Domingo Toledo**, University of Utah.

- **Inverse Problems and Wave Propagation** (Code: SS 7A), **Leonid Kunyansky**, University of Arizona.


- **Representations of Groups and Algebras** (Code: SS 5A), **Klaus Lux** and **Pham Huu Tiep**, University of Arizona.

- **Special Functions, Combinatorics, and Analysis** (Code: SS 15A), **Diego Dominici**, SUNY New Paltz, **Tim Huber**, University of Texas - Pan American, and **Robert Maier**, University of Arizona.

- **Spectral Theory and Global Analysis** (Code: SS 12A), **Lennie Friedlander**, University of Arizona, and **Klaus Kirsten**, Baylor University.

- **The B.S. Degree in Mathematics in Industry** (Code: SS 19A), **William Velez**, University of Arizona.
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 the state and local taxes (13.05%). Participants must state that they are with the American Mathematical Society (AMS) Meeting at University of Arizona 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.

DoubleTree by Hilton Tucson Reid Park, 445 South Alvernon Way, Tucson, Arizona, 85711; 1-520-881-4200; www.radissontucson.com. Rates are US$109 per night for single/double occupancy. Located just four miles from downtown Tucson, hotel amenities include Fitness Center, three tennis courts, massage therapy provided by Peaceful Spirit, and complimentary shuttle service within a 3-mile radius. This property is located approximately four miles from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. The deadline for reservations at this rate is September 26, 2012.

Radisson Suites Tucson, 6555 East Speedway Blvd., Tucson, AZ 85710; 520-721-7100; www.radisson.com/tucson-hotel-az-85710/aztucson. Rates are US$89 per night for single/double occupancy. This is an all-suites property. Amenities include an oversized, temperature controlled pool and hydro-spa; Fitness Center; and newly renovated Business Center. Guests at the Radisson Suites Tucson also enjoy the convenience of complimentary shuttle service to destinations within a three-mile radius of the property. This property is located approximately seven miles from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. The deadline for reservations at this rate is September 26, 2012.

Westward Look Wyndham Grand Resort & Spa, 245 E. Ina Road, Tucson, AZ 85704; 1-800-481-0636 or 520-297-1151; www.westwardlook.com. Rates are US$129 per night for single/double occupancy. Situated on an 80-acre property, amenities include the Sonoran Spa, open seven days a week; three sparkling pools, including a lap pool; 24-hour Fitness Center; eight tennis courts; basketball and volleyball courts; horseback riding; nature trails; and specialty gardens on property. This property is located approximately eight miles from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. The deadline for reservations at this rate is September 25, 2012.

Food Services

On Campus: There are a number of dining options in the Student Union, below is a list of a few. Please check the link for hours of operation during the month of October: www.union.arizona.edu/infodesk/hours/index.php?cat=dining.

3 Cheeses & a Noodle, Bagel Talk, Burger King, Cactus Grill, Canyon Cafe, Cellar Bistro, Chick-Fil-A, Iq Fresh, La Petite Patisserie, Mesa Room, On Deck Deli, Papa John’s Pizza, Pinkberry, USA Cafe.

Registration and Meeting Information

Registration and the AMS exhibit locations are to be determined. Check the AMS website for further information www.ams.org/meetings/sectional/sectional.html. Please refer to the campus map at http://ahsc.arizona.edu/maps for specific on campus locations. The registration desk will be open on Saturday, October 27th, 7:30 a.m. – 4:00 p.m. and Sunday, October 28th, 7:30 a.m. – 12:00 p.m. Fees are US$53 for AMS members, US$74 for nonmembers; and US$5 for students, unemployed mathematicians, and emeritus members. Fees are payable on-site via cash, check, or credit card; advance registration is not available.

Other Activities

Book Sales: Stop by the on-site AMS bookstore and review the newest titles from the AMS, enjoy up to 25% off all AMS publications, or take home an 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 booth exhibit.

Local Information and Maps

This meeting will take place on the campus of the University of Arizona. A campus map can be found at http://ahsc.arizona.edu/maps. Information about the math department at the University of Arizona may be found...

Parking
Once the exact location of the meeting has been determined and posted on the AMS website, please check the following site for the most convenient parking: parking.arizona.edu/parking. The daily parking rate is $8.00.

Travel
The University of Tucson is nine miles from Tucson International Airport (TUS), and approximately 113 miles from Phoenix Sky Harbor International Airport (PHX).

By Air: Tucson International Airport is about a twenty-five-minute drive from the university. There is an airport shuttle, car rental offices, and taxis available upon your arrival.

Phoenix Sky Harbor International Airport is about a two-hour drive from the university. There is an airport shuttle and car rental offices upon your arrival.

Tucson International Airport is the closest and most convenient airport to the university. Taxi stands are located near the Arrivals (Baggage Claim) exits of each terminal and no advanced reservations are required. Shuttle service between the University of Arizona and the Tucson International Airport is provided by Arizona Stagecoach. Please go to their website www.azstagecoach.com or you can call 520-889-1000 to find fares and make a reservation.

Arizona Shuttle Service provides a shuttle service between the University of Arizona and Sky Harbor Airport in Phoenix. Please go to their website www.arizonashuttle.com or you can call 800-888-2749 for fares and reservations.

By Car: From north or southbound Interstate 10, take Exit I-10 at exit 257, the University of Arizona/Speedway Boulevard exit. Take Speedway Boulevard east (a right for northbound travelers and a left for southbound travelers). Continue east on Speedway Boulevard to Mountain Avenue. The 2nd Street Garage is located at Mountain Avenue and 2nd Street, a little less than two miles from I-10. Turn right (south) onto Mountain Avenue.

From the Tucson International Airport, you exit the airport northbound on Tucson Boulevard and take a left (heading west) at Valencia Road, the first traffic signal. Drive west on Valencia Road one block to a light at Campbell Avenue. Turn right (north) onto Campbell Avenue and continue driving north, following the street through a midway name change to Kino Parkway. At 6th Street, Kino Parkway will become Campbell Avenue again. Follow Campbell to Speedway. Turn left (west) at Campbell onto Speedway. The Second Street Garage is located on the corner of Mountain and 2nd Street (south of Speedway Boulevard.)

From Sky Harbor Airport in Phoenix, exit Sky Harbor Boulevard east to SR 153. Turn left onto University. Take right entrance to I-10 east. Take I-10 east to Tucson. Take right exit to Speedway Boulevard and turn left. The University of Arizona campus begins at Park Avenue. The 120-mile trip takes about two hours.

By Train/Bus: Amtrak passenger service and major bus lines, such as Greyhound give you non-flying options for traveling to Tucson.

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, click on the box “I have a discount”, and type in our convention number (CV): 04N30002. You can also call Hertz directly at 800-654-2240 (U.S. 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.

Local Transportation: SunTran is the local the public bus system in Tucson. Please call 520-792-9222 for route maps and schedules or you can visit their website: www.suntran.com.

Weather
The average high temperature for October is approximately 86 degrees Fahrenheit and the average low is approximately 55 degrees Fahrenheit.

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://sites.nationalacademies.org/pga/visas/ and http://travel.state.gov/visa/visa_1750.html. If you need a preliminary conference invitation in order to secure a visa, please send your request to mlk@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.

San Diego, California
San Diego Marriott Convention Center and San Diego Marriott Hotel and Marina

January 9–12, 2013
Wednesday – Saturday

Meeting #1086
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: Expired
For consideration of contributed papers in Special Sessions: August 7, 2012
For abstracts: September 25, 2012

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

Joint Invited Addresses
Robin Pemantle, David Rittenhouse Laboratories, Zeros of polynomials and their importance in combinatorics and probability (AMS-MAA Invited Address).
Emily Shuckburgh, Cambridge University, Title to be announced (AMS-MAA Invited Address).

AMS Invited Addresses
Gerard Ben Arous, Courant Institute-NYU, Title to be announced.
Jean Bourgain, Institute for Advanced Study, Title to be announced.
Laura DeMarco, University of Illinois at Chicago, Title to be announced.
Jordan Ellenberg, University of Wisconsin, Title to be announced.
Alice Guionnet, Ecole Normale Supérieure de Lyon, Title to be announced (AMS Colloquium Lectures).
Robert Guralnick, University of Southern California, Title to be announced.
Cedric Villani, Institut Henri Poincaré, Title to be announced (AMS Josiah Willard Gibbs Lecture).

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


Algebraic Combinatorics and Representation Theory (Code: SS 38A), Julie Beier, Mercer University, and Gizem Karaali, Pomona College.

Algorithmic Problems of Group Theory and Their Complexity (Code: SS 9A), Delaram Kahrobaei, CUNY Graduate Center and New York College of Technology, City University of New York, and Vladimir Shpilrain, City College of New York and CUNY Graduate Center, City University of New York.

Arithmetic Theory of Quadratic Forms and Lattices (Code: SS 7A), Wai Kiu Chan, Wesleyan University, and Lenny Fukshansky, Claremont McKenna College.

Arithmetic and Ideal Theory of Integral Domains and Monoids (Code: SS 27A), Scott T. Chapman, Sam Houston State University, and Vadim Ponomarenko, San Diego State University.

Celestial Mechanics (Code: SS 43A), Gareth Roberts, College of the Holy Cross, and Zhifu Xie, Virginia State University.

Challenges in Data Assimilation and the Mathematics of Planet Earth and Its Climate (Code: SS 56A), Lewis Mitchell, University of Vermont, and Thomas Bellsky, Arizona State University.

Commutative Algebra and Algebraic Geometry (Code: SS 54A), Kuei-Nan Lin, University of California, Riverside, and Tai Ha, Tulane University.

Complex Dynamics (Code: SS 30A), Laura DeMarco, University of Illinois, Chicago, and Rodrigo Perez and Roland Roeder, Indiana University - Purdue University Indianapolis.

Computational Algebraic and Analytic Geometry for Low-dimensional Varieties (Code: SS 36A), Mike Seppala,
Florida State University, and Emil Volcheck, National Security Agency.

Continued Fractions (Code: SS 44A), James McLaughlin, West Chester University, and Nancy J. Wyshinski, Trinity University.


Creating a Professional Community of Math Teachers K–20 (Code: SS 61A), Patrick Callahan, University of California Los Angeles, William McCallum, University of Arizona, and Kristin Umland, University of New Mexico.

Difference Equations and Applications (Code: SS 11A), Michael Radin, Rochester Institute of Technology.

Dirac and Laplace Operators in Global Analysis and Geometry (Code: SS 8A), Ken Richardson and Igor Prokhorov, Texas Christian University.

Discrete Geometry and Algebraic Combinatorics (Code: SS 67A), Alexander Barg, University of Maryland, and Oleg Musin, University of Texas, Brownsville.

Effective Algebra and Model Theory (Code: SS 29A), Sam Buss, Mia Minnes, and Jeff Remmel, University of California, San Diego.

Environmental Mathematics: Evaluate the Past Climate Changes and Model the Future Climate Variations (Code: SS 70A), Phillip Arkin, University of Maryland, Samuel Shen, San Diego State University, Thomas Smith, University of Maryland, and Guang Zhang, Scripps Institute of Oceanography, University of California, San Diego.


Finite Element Exterior Calculus and Applications (Code: SS 50A), Douglas Arnold, University of Minnesota, and Andrew Gillette and Michael Holst, University of California, San Diego.

Fractional, Hybrid, and Stochastic Dynamic Systems with Applications (Code: SS 13A), John Graef, University of Tennessee at Chattanooga, Gangaram S. Ladde, University of South Florida, and Aghalaya Vatsala, University of Louisiana at Lafayette.

Frontiers in Geomathematics (Code: SS 69A), Willi Freedman, University of Kaiserslautern, Volker Michel, University of Siegen, and M. Zuhair Nashed, University of Central Florida.


Geometric and Analytic Methods in Teichmüller Theory and Hyperbolic Geometry (Code: SS 3A), Ren Guo, Oregon State University, and Zheng Huang and Marcello Lucia, City University of New York, Staten Island.

Graph Theory (Code: SS 57A), Andre Kundgen, California State University, San Marcos, Michael Pelsmajer, Illinois Institute of Technology, and Douglas West, University of Illinois, Urbana-Champaign.

Groups, Representations, and Applications (Code: SS 33A), Robert Guralnick, University of Southern California, and Pham Huu Tiep, University of Arizona.
le, Abba Gurel, University of Manitoba, and Talitha Washington, Howard University.

Number Theory and Geometry (Code: SS 34A), Jordan Ellenberg, University of Wisconsin, Madison, and Akshay Venkatesh, Stanford University.

Patterns in Permutations and Words (Code: SS 35A), Jeffrey Liese, California State Polytechnic University, San Luis Obispo, Brian K. Miceli, Trinity University, and Jeffrey Remmel, University of California, San Diego.

Progress in Free Probability and Free Analysis (Code: SS 20A), Ken Dykema, Texas A&M University, and Scott McCullough, University of Florida.

Quantum Walks and Related Topics (Code: SS 5A), Yusuhe Ide, Kanagawa University, Chaobin Liu and Nelson Petulante, Bowie State University, and Salvador E. Venegas-Andraca, Tecnológico de Monterrey, Campus Estado de México.

Recent Advances and New Challenges in Applied Analysis (Code: SS 55A), Marian Bocea, Loyola University, Chicago.

Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs (Code: SS 12A), Bernard Brooks and Bobby Jacob, Rochester Institute of Technology, Jacqueline Jensen, Sam Houston State University, and Darren Narayan and Tamas Wiandt, Rochester Institute of Technology (AMS-MAA-SIAM).

Set-Valued Optimization and Variational Problems with Applications (Code: SS 68A), Andreas H. Hamel, Yeshiva University, Akhtar Khan, Rochester Institute of Technology, Miguel Sama, Universidad Nacional de Educacin a Distancia, and Christiane Tammer, Martin Luther University of Halle-Wittenberg.

Several Complex Variables Techniques in Operator Theory (Code: SS 4A), Zeljko Cuckovic and Sonmez Sahutoglu, University of Toledo.

Several Complex Variables and Multivariable Operator Theory (Code: SS 14A), Joseph Ball, Virginia Tech University, and Ronald Douglas, Texas A&M University.

Singularities in Geometry and Algebra (Code: SS 49A), John Brevik, California State University, Long Beach, and Scott Nollet, Texas Christian University.


Stochastic and Functional Analysis (Code: SS 63A), Mark Burgin, University of California Los Angeles, and Alan Krinik and Randall Swift, California State Polytechnic University, Pomona.

The Brauer Group in Algebra and Geometry (Code: SS 24A), Asher Auel, Emory University, Kelly McKinnie, University of Montana, and V. Suresh, Emory University (AMS-AWM).


The Present and Future of Mathematics on the Web (Code: SS 62A), Douglas Meade, University of South Carolina, and Philip Yasskin, Texas A&M University.

Theory and Applications of Differential Equations on Graphs (Code: SS 25A), Sergej Avdonin, University of Alaska, Fairbanks, and Jonathan Bell, University of Maryland, Baltimore County.

Theory and Interdisciplinary Applications of Dynamical Systems (Code: SS 42A), Sukanya Basu, Grand Valley State University.

Topics and Issues in Electronic Publishing (Code: SS 21A), Klaus Kaiser, University of Houston, Steven Krantz, Washington University in St. Louis, and Elizabeth Loew, Springer.

Topological Combinatorics (Code: SS 58A), Thomas Engstrom, Aalto University, Steven Klee, University of California, Davis, and Matthew Stamps, Aalto University.

Tropical Geometry (Code: SS 66A), Florian Block, University of Warwick, and Melody Chan, University of California, Berkeley.

Understanding Planet Earth via Reaction Diffusion Equations (Code: SS 26A), Jerome Goddard II, Auburn University, Montgomery, Eun Kyung Lee, Pusan National University, Korea, Junping Shi, College of William and Mary, and Ratnasrima Shivaji, University of North Carolina, Greensboro.

Water Waves, Tsunamis, and Extreme Waves (Code: SS 31A), Walter Craig, McMaster University, Canada, Philippe Guyenne, University of Delaware, and David Nicholls, University of Illinois, Chicago.

Witt Vectors, Descent and Lifting (Code: SS 39A), James Borger, Australia National University, Alexandru Buium and Taylor Dupuy, University of New Mexico, and Lance Miller, University of Utah.

q-series in Mathematical Physics and Combinatorics (Code: SS 2A), Mourad Ismail, University of Central Florida.

The Influence of Ramanujan on his 125th Birthday (Code: SS 1A), George Andrews, Pennsylvania State University, Bruce Berndt, University of Illinois Urbana-Champaign, and Ae Ja Yee, Pennsylvania State University.

The Mathematics Teacher Education Partnership and the Common Core Standards (Code: SS 17A), W. Gary Martin, Auburn University, and Michael Mays, West Virginia University.

Oxford, Mississippi

University of Mississippi

March 1–3, 2013
Friday - Sunday

Meeting #1087
Southeastern Section
Associate secretary: Robert J. Daverman
Announcement issue of Notices: December 2012
Program first available on AMS website: December 13, 2012
Program issue of electronic Notices: March 2013
Meetings & Conferences

Issue of Abstracts: Volume 34, Issue 2

Deadlines
For organizers: July 27, 2012
For consideration of contributed papers in Special Sessions: October 16, 2012
For abstracts: December 4, 2012

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

Invited Addresses
Patricia Hersh, North Carolina State University, Title to be announced.
Daniel Krashen, University of Georgia, Title to be announced.
Washington Mio, Florida State University, Title to be announced.
Slawomir Solecki, University of Illinois at Urbana-Champaign, Title to be announced.

Special Sessions
Algebraic Combinatorics (Code: SS 1A), Patricia Hersh, North Carolina State University, and Dennis Stanton, University of Minnesota.
Fractal Geometry and Ergodic Theory (Code: SS 2A), Manav Das, University of Louisville, and Mrinal Kanti Roychowdhury, University of Texas-Pan American.

Boulder, Colorado

University of Colorado Boulder

April 13–14, 2013
Saturday – Sunday

Meeting #1089
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: January 2013
Program first available on AMS website: February 28, 2013
Program issue of electronic Notices: April 2013
Issue of Abstracts: Volume 34, Issue 2

Deadlines
For organizers: September 12, 2012
For consideration of contributed papers in Special Sessions: December 26, 2012
For abstracts: February 19, 2013

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

Invited Addresses
Roman Bezrukavnikov, Massachusetts Institute of Technology, Title to be announced.
Marston Conder, University of Auckland, Title to be announced.
Alice Guionnet, Ecole Normale Supérieure de Lyon, Title to be announced.
Yanir Rubinstein, Stanford University, Title to be announced.

Invited Addresses
Gunnar Carlsson, Stanford University, Title to be announced.
Joseph A. De Loera, University of California, Davis, Title to be announced.
Brendan Hassett, Rice University, Title to be announced.
Raphael Rouquier, University of California Los Angeles, Title to be announced.
Meetings & Conferences

Special Sessions
Associate Rings and Their Modules (Code: SS 1A), Gregg Musiker, University of Minnesota, Kyeungyong Lee, Wayne State University, and Li Li, Oakland University.

Dynamics and Arithmetic Geometry (Code: SS 2A), Suh-ion Ih, University of Colorado at Boulder, and Thomas J. Tucker, University of Rochester.

Extremal Graph Theory (Code: SS 3A), Michael Ferrara, University of Colorado Denver, Stephen Hartke, University of Nebraska-Lincoln, and Michael Jacobson, University of Colorado Denver.

Themes in Applied Mathematics: From Data Analysis through Fluid Flows and Biology to Topology (Code: SS 4A), Hanna Makaruk, Los Alamos National Laboratory, and Robert Owczarek, University of New Mexico, and Enfitek, Inc.

Ames, Iowa
Iowa State University
April 27–28, 2013
Saturday – Sunday
Meeting #1090
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: February 2013
Program first available on AMS website: March 14, 2013
Program issue of electronic Notices: April 2013
Issue of Abstracts: Volume 34, Issue 2

Deadlines
For organizers: September 27, 2012
For consideration of contributed papers in Special Sessions: January 18, 2013
For abstracts: March 5, 2013

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

Invited Addresses
Kevin Costello, Northwestern University, Title to be announced.

Marianne CsonYeui, University of Chicago, Title to be announced.

Vladimir Markovici, California Institute of Technology, Title to be announced.

Eitan Tadmor, University of Maryland, Title to be announced.

Special Sessions
Algebraic and Geometric Combinatorics (Code: SS 4A), Sung Y. Song, Iowa State University, and Paul Terwilliger, University of Wisconsin-Madison.

Cluster Algebras and Related Combinatorics (Code: SS 5A), Gregg Musiker, University of Minnesota, Kyeungyong Lee, Wayne State University, and Li Li, Oakland University.

Commutative Algebra and its Environs (Code: SS 6A), Olgu Celiikbas and Greg Piepmeyer, University of Missouri, Columbia.

Commutative Ring Theory (Code: SS 8A), Michael Axtell, University of St. Thomas, and Joe Stickles, Millikin University.

Alba Iulia, Romania
June 27–30, 2013
Thursday – Sunday
Meeting #1091
First Joint International Meeting of the AMS and the Romanian Mathematical Society, in partnership with the “Simion Stoilow” Institute of Mathematics of the Romanian Academy.

Associate secretary: Steven H. Weintraub
Announcement issue of Notices: January 2013
Program first available on AMS website: Not applicable
Program issue of electronic Notices: Not applicable
Issue of Abstracts: Not applicable

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/internmtgs.html.

Invited Addresses
Viorel Barbu, Universitatea Cuza, Title to be announced.

Sergiu Klainerman, Princeton University, Title to be announced.

George Lusztig, Massachusetts Institute of Technology, Title to be announced.

Stefan Papadima, Institute of Mathematics of the Romanian Academy of Sciences, Title to be announced.
Meetings & Conferences

Dan Timotin, Institute of Mathematics of the Romanian Academy of Sciences, Title to be announced.  
Srinivasa Varadhan, New York University, Title to be announced.

Louisville, Kentucky  
University of Louisville  

October 5–6, 2013  
Saturday – Sunday  
Meeting #1092  
Southeastern Section  
Associate secretary: Robert J. Daverman  
Announcement issue of Notices: June 2013  
Program first available on AMS website: August 22, 2013  
Program issue of electronic Notices: October 2013  
Issue of Abstracts: Volume 33, Issue 3  

Deadlines  
For organizers: March 5, 2013  
For consideration of contributed papers in Special Sessions: June 18, 2013  
For abstracts: August 13, 2013  

Invited Addresses  
Michael Hill, University of Virginia, Title to be announced.  
Suzanne Lenhart, University of Tennessee, Title to be announced.  
Ralph McKenzie, Vanderbilt University, Title to be announced.  
Victor Moll, Tulane University, Title to be announced.  

Special Sessions  
Set Theory and Its Applications (Code: SS 1A), Paul Larson, Miami University, Justin Moore, Cornell University, and Grigor Sargsyan, Rutgers University.

Program issue of electronic Notices: October 2013  
Issue of Abstracts: Volume 33, Issue 3  

St. Louis, Missouri  
Washington University  

October 18–20, 2013  
Friday – Sunday  
Meeting #1094  
Central Section  
Associate secretary: Georgia Benkart  
Announcement issue of Notices: August 2013  
Program first available on AMS website: September 5, 2013  
Program issue of electronic Notices: October 2013  
Issue of Abstracts: Volume 33, Issue 4  

Deadlines  
For organizers: March 20, 2013  
For consideration of contributed papers in Special Sessions: July 2, 2013  
For abstracts: August 27, 2013  

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

Invited Addresses  
Barry Mazur, Harvard University, Title to be announced (Erdős Memorial Lecture).

Special Sessions  
History of Mathematics in America (Code: SS 4A), Thomas L. Bartlow, Villanova University, Paul R. Wolfson, West Chester University, and David E. Zitarelli, Temple University.  
Recent Advances in Harmonic Analysis and Partial Differential Equations (Code: SS 1A), Cristian Gutiérrez and Irina Mitrea, Temple University.

Philadelphia, Pennsylvania  
Temple University  

October 12–13, 2013  
Saturday – Sunday  
Meeting #1093  
Eastern Section  
Associate secretary: Steven H. Weintraub  
Announcement issue of Notices: June 2013  
Program first available on AMS website: To be announced  

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

Ronny Hadani, University of Texas at Austin, *Title to be announced.*

Effie Kalfagianni, Michigan State University, *Title to be announced.*

Jon Kleinberg, Cornell University, *Title to be announced.*

Vladimir Sverak, University of Minnesota, *Title to be announced.*

Special Sessions

Algebraic and Combinatorial Invariants of Knots (Code: SS 1A), Heather Dye, McKendree University, Allison Henrich, Seattle University, and Louis Kauffman, University of Illinois.

**Riverside, California**

*University of California Riverside*

**November 2–3, 2013**

*Saturday – Sunday*

**Meeting #1095**

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: August 2013

Program first available on AMS website: September 19, 2013

Program issue of electronic *Notices*: November 2013

Issue of *Abstracts*: Volume 33, Issue 4

**Deadlines**

For organizers: April 2, 2013

For consideration of contributed papers in Special Sessions: July 15, 2013

For abstracts: September 10, 2013

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtgs/sectional.html](http://www.ams.org/amsmtgs/sectional.html).*

Invited Addresses

Michael Christ, University of California, Berkeley, *Title to be announced.*

Mark Gross, University of California, San Diego, *Title to be announced.*

Matilde Marcolli, California Institute of Technology, *Title to be announced.*

Paul Vojta, California Institute of Technology, *Title 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

**Albuquerque, New Mexico**

*University of New Mexico*

**April 5–6, 2014**

*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*: April 2014

Issue of *Abstracts*: To be announced

**Deadlines**

For organizers: September 5, 2013

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

For abstracts: February 11, 2014
Meetings & Conferences

Lubbock, Texas
Texas Tech University

April 11–13, 2014
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: September 18, 2013
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Eau Claire, Wisconsin
University of Wisconsin-Eau Claire

September 20–21, 2014
Saturday – 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: February 20, 2014
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: August 5, 2014

Tel Aviv, Israel
Bar-Ilan University, Ramat-Gan and Tel-Aviv University, Ramat-Aviv

June 16–19, 2014
Monday – Thursday
The 2nd Joint International Meeting between the AMS and the Israel Mathematical Union.
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

San Francisco, California
San Francisco State University

October 25–26, 2014
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: October 2014
Issue of Abstracts: To be announced

Deadlines
For organizers: March 25, 2014
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: September 3, 2014

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

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

AMS Special Sessions
Nonlinear Analysis and Optimization, Boris Mordukhovich, Wayne State University, and Simeon Reich and Alexandre Zaslavski, The Technion - Israel Institute of Technology.
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

Porto, Portugal

University of Porto

June 11–14, 2015

Thursday - Sunday

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: Not applicable

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

Seattle, Washington

Washington State Convention Center and the Sheraton Seattle Hotel

January 6–9, 2016

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

San Diego, California

San Diego Convention Center and San Diego Marriott Hotel and Marina

January 10–13, 2018

Wednesday - Saturday

Joint Mathematics Meetings, including the 124th Annual Meeting of the AMS, 101st 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: Matthew Miller
Announcement issue of Notices: October 2017
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 1, 2017
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
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