Meetings & Conferences of the AMS

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
Issue of Abstracts: Volume 34, 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.html.

Invited Addresses
Patricia Hersh, North Carolina State University, An interplay of combinatorics with topology.
Daniel Krashen, University of Georgia, Topology, arithmetic, and the structure of algebraic groups.
Washington Mio, Florida State University, Taming shapes and understanding their variation.
Slawomir Solecki, University of Illinois at Urbana-Champaign, An abstract approach to Ramsey theory with applications.

Special Sessions
Algebraic Combinatorics, Patricia Hersh, North Carolina State University, and Dennis Stanton, University of Minnesota.
Approximation Theory and Orthogonal Polynomials, David Benko, University of South Alabama, Erwin Mina-Diaz, University of Mississippi, and Edward Saff, Vanderbilt University.
Banach Spaces and Operators on Them, Qingying Bu and Gerard Buskes, University of Mississippi, and William B. Johnson, Texas A&M University.
Commutative Algebra, Sean Sather-Wagstaff, North Dakota State University, and Sandra M. Spiroff, University of Mississippi.
Connections between Matroids, Graphs, and Geometry, Stan Dziobiak, Talmage James Reid, and Haidong Wu, University of Mississippi.
Dynamical Systems, Alexander Grigo, University of Oklahoma, and Sasa Kocic, University of Mississippi.
Fractal Geometry and Ergodic Theory, Manav Das, University of Louisville, and Mrinal Kanti Roychowdhury, University of Texas-Pan American.
Graph Theory, Laura Sheppardson and Bing Wei, University of Mississippi, and Huhui Wu, McGill University.
Modern Methods in Analytic Number Theory, Nathan Jones and Micah B. Milinovich, University of Mississippi, and Frank Thorne, University of South Carolina.
Set Theory and Its Applications, Christian Rosendal, University of Illinois at Chicago, and Slawomir Solecki, University of Illinois at Urbana-Champaign.
Chestnut Hill, Massachusetts

Boston College

April 6–7, 2013
Saturday – Sunday

Meeting #1088

Eastern Section

Associate secretary: Steven H. Weintraub
Announcement issue of Notices: January 2013
Program first available on AMS website: February 21, 2013
Program issue of electronic Notices: April 2013
Issue of Abstracts: Volume 34, Issue 2

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: February 12, 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, Canonical bases and geometry.

Marston Conder, University of Auckland, Discrete objects with maximum possible symmetry.

Alice Guionnet, École Normale Supérieure de Lyon, Title to be announced.

Yanir Rubinstein, University of Maryland, Geometry: (very) local meets global.

Special Sessions

Algebraic and Geometric Structures of 3-manifolds (Code: SS 3A), Ian Biringer, Tao Li, and Robert Meyerhoff, Boston College.

Algorithmic Problems of Group Theory and Applications to Information Security (Code: SS 14A), Delaram Kahrobaei, City University of New York Graduate Center and New York College of Technology, and Vladimir Shpilrain, City College of New York and City University of New York Graduate Center.

Arithmetic Dynamics and Galois Theory (Code: SS 6A), John Cullinan, Bard College, and Farshid Hajir and Siman Wong, University of Massachusetts, Amherst.

Combinatorics and Classical Integrability (Code: SS 16A), Amanda Redlich and Shabnam Beheshti, Rutgers University.

Commuting Matrices and the Hilbert Scheme (Code: SS 11A), Anthony Iarrobino, Northeastern University, and Leila Khatami, Union College.


Counting and Equidistribution on Symmetric Spaces (Code: SS 5A), Dubi Kelmer, Boston College, and Alex Kontorovich, Yale University.

Discrete Geometry of Polytopes (Code: SS 10A), Barry Monson, University of New Brunswick, and Egon Schulte, Northeastern University.


History and Philosophy of Mathematics (Code: SS 7A), James J. Tattersall, Providence College, and V. Frederick Rickey, United States Military Academy.

Homological Invariants in Low-dimensional Topology. (Code: SS 1A), John Baldwin, Joshua Greene, and Eli Grigsby, Boston College.

Homology and Cohomology of Arithmetic Groups (Code: SS 13A), Avner Ash, Boston College, Darrin Douc, Brigham Young University, and David Pollack, Wesleyan University.

Hopf Algebras and their Applications (Code: SS 9A), Timothy Kohl, Boston University, and Robert Underwood, Auburn University Montgomery.

Moduli Spaces in Algebraic Geometry (Code: SS 4A), Dawei Chen and Maksym Fedorchuk, Boston College, and Joe Harris and Yu-Jong Tzeng, Harvard University.

Real and Complex Dynamics of Difference Equations with Applications (Code: SS 12A), Ann Brett, Johnson and Wales University, and M. R. S. Kuhlken, University of Rhode Island.

Recursion and Definability (Code: SS 15A), Rachel Epstein, Harvard University, Karen Lange, Wellesley College, and Russell Miller, Queens College and City University of New York Graduate Center.

Research by Undergraduates and Students in Post-Baccalaureate Programs (Code: SS 8A), Chi-Keung Cheung, Boston College, David Damiano, College of the Holy Cross, Steven J. Miller, Williams College, and Suzanne L. Wekees, Worcester Polytechnic Institute.

Topology and Generalized Cohomologies in Modern Condensed Matter Physics (Code: SS 17A), Claudio Chamon and Robert Kotiuga, Boston University.

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
Dynamics and Arithmetic Geometry (Code: SS 2A), 
Sujit Dh, University of Colorado at Boulder, and Thomas J. 
Tucker, University of Rochester.

Elliptic Systems and Their Applications (Code: SS 20A), 
Wenxiong Chen, Yeshiva University, and Congming Li, 
University of Colorado at Boulder.

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.

Foundations of Computational Mathematics (Code: SS 13A), 
Susan Margulies, Pennsylvania State University, and 
Jesús De Loera, University of California, Davis.

Geometric Methods in the Representation Theory of 
Reductive Groups (Code: SS 19A), J. Matthew Douglass, 
University of North Texas, and Gerhard Roehrle, Ruhr- 
Universität Bochum, and Rahbar Virk, University of Colorado Boulder.

Harmonic Analysis of Frames, Wavelets, and Tilings 
(Code: SS 12A), Veronika Furst, Fort Lewis College, Keri 
Kornelson, University of Oklahoma, and Eric Weber, Iowa 
State University.

Noncommutative Geometry and Geometric Analysis 
(Code: SS 22A), Carla Farsi and Alexander Gorokhovsky, 
University of Colorado, Boulder.

Nonlinear Waves and Integrable Systems (Code: SS 9A), 
Christopher W. Curtis, University of Colorado Boulder, 
Anton Dzhamay, University of Northern Colorado, Willy 
Hereman, Colorado School of Mines, and Barbara Prinari, 
University of Colorado, Colorado Springs.

Number Theory with a Focus on Diophantine Equations 
and Recurrence Sequences (Code: SS 8A), Patrick Ingram, 
Colorado State University, and Katherine E. Stange, University of Colorado Boulder.

Set Theory and Boolean Algebras (Code: SS 17A), 
Natasha Dobrinen, University of Denver, and Don Monk, 
University of Colorado, Boulder.

Singular Spaces in Geometry, Topology, and Algebra 
(Code: SS 11A), Greg Friedman, Texas Christian University, 
and Laurentiu Maxim, University of Wisconsin, Madison.

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
Meetings & Conferences

Issue of Abstracts: Volume 34, Issue 2

Deadlines
For organizers: Expired
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 Csornyei, University of Chicago, Title to be announced.
- Vladimir Markovic, 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.
- Analysis, Dynamics and Geometry In and Around Teichmüller Spaces (Code: SS 17A), Alistair Fletcher, Northern Illinois University, Vladimir Markovic, California Institute of Technology, and Dragomir Saric, Queens College CUNY.
- Commutative Algebra and its Environments (Code: SS 6A), Olgur Celikbas and Greg Piepmeyer, University of Missouri, Columbia.
- Commutative Ring Theory (Code: SS 8A), Michael Axtell, University of St. Thomas, and Joe Stickles, Millikin University.
- Computability and Complexity in Discrete and Continuous Worlds (Code: SS 11A), Jack Lutz and Tim McNicholl, Iowa State University.
- Computational Advances on Special Functions and Tropical Geometry (Code: SS 14A), Lubjana Beshaj, Oakland University, and Emma Previato, Boston University.
- Control Theory and Qualitative Analysis of Partial Differential Equations (Code: SS 16A), George Avalos, University of Nebraska-Lincoln, and Scott Hansen, Iowa State University.
- Discrete Methods and Models in Mathematical Biology (Code: SS 18A), Dora Matache, University of Nebraska-Omaha, and Stephen J. Willson, Iowa State University.
- Extremal Combinatorics (Code: SS 7A), Steve Butler and Ryan Martin, Iowa State University.
- Generalizations of Nonnegative Matrices and Their Sign Patterns (Code: SS 3A), Minerva Catral, Xavier University, Shaun Fallat, University of Regina, and Pauline van den Driessche, University of Victoria.
- Geometric Elliptic and Parabolic Partial Differential Equations (Code: SS 13A), Brett Kotschwar, Arizona State University, and Xuan Hien Nguyen, Iowa State University.

Graphs, Hypergraphs and Counting (Code: SS 26A), Eva Czabarka and Laszlo Szekely, University of South Carolina.

Kinetic and Hydrodynamic PDE-based Descriptions of Multi-scale Phenomena (Code: SS 25A), James Evans and Hailiang Liu, Iowa State University, and Eitan Tadmor, University of Maryland.

Logic and Algebraic Logic (Code: SS 9A), Jeremy Alm, Illinois College, and Andrew Ylvisaker, Iowa State University.

Multi-Dimensional Dynamical Systems (Code: SS 15A), Jayadev Athreya, University of Illinois, Urbana-Champaign, Jonathan Chaika, University of Chicago, and Joseph Rosenblatt, University of Illinois at Urbana-Champaign.

Numerical Analysis and Scientific Computing (Code: SS 20A), Hailiang Liu, Songting Luo, James Rossmanith, and Jue Yan, Iowa State University.

Partial Differential Equations (Code: SS 12A), Gary Lieberman and Paul Sacks, Iowa State University, and Mahamadi Warma, University of Puerto Rico at Rio Piedras.

Probabilistic and Multiscale Modeling Approaches in Cell and Systems Biology (Code: SS 19A), Jasmine Foo, University of Minnesota, and Anastasios Matzavinos, Iowa State University.

Quasigroups, Loops, and Nonassociative Division Algebras (Code: SS 21A), C. E. Ealy, Jr. and Anne Margaret Paul, Western Michigan University, Benjamin Phillips, University of Michigan Dearborn, J. D. Phillips, Northern Michigan University, and Petr Vojtechovsky, University of Denver.

Ring Theory and Noncommutative Algebra (Code: SS 24A), Victor Camillo, University of Iowa, and Miodrag C. Iovanov, University of Bucharest and University of Iowa.

Stochastic Processes with Applications to Physics and Control (Code: SS 10A), Jim Evans and Arka Ghosh, Iowa State University, Jon Peterson, Purdue University, and Alexander Roitershtein, Iowa State University.

Topology of 3-Manifolds (Code: SS 23A), Marion Campisi and Alexander Zupan, University of Texas at Austin.

Zero Forcing, Maximum Nullity/Minimum Rank, and Colin de Verdiere Graph Parameters (Code: SS 2A), Leslie Hogben, Iowa State University and American Institute of Mathematics, and Bryan Shader, University of Wyoming.

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 hotel tax. Participants must state that they are with the American Mathematical Society (AMS) Meeting at Iowa State University to receive the discounted rate. The AMS is not responsible for rate changes or for the quality of the accommodations. Hotels have varying...
cancellation and early checkout penalties; be sure to ask for details.

Gateway Hotel & Conference Center, 2100 Green Hills Drive, Ames, IA 50014, 515-292-8600; www.gatewayames.com/. Rates are US$109 per night for single/double occupancy. Please note that hotel tax in Ames is 12%. Amenities include free wireless Internet in rooms; heated indoor swimming pool; sauna and whirlpool; fitness facility featuring treadmills, weight machines, and ellipticals; Business Center with work station; and The IowaStater Restaurant on site with room service available. Free parking is available. The hotel is located within walking distance of Iowa State University in Ames, Iowa, and is on the local campus shuttle route. Cancellation and early check-out policies vary; be sure to check when you make your reservation. Checkin time is 4:00 p.m.; checkout time: 12:00 p.m. The deadline for reservations at this rate is March 27, 2013.

Best Western Plus University Park Inn & Suites, 2500 University Blvd., Ames, IA 50010, 515-296-2500; bestwesterniowa.com/hotels/best-western-plus-university-park-inn-and-suites. Rates are US$109 per night for doubles and US$104 per night for singles. Please note that hotel tax in Ames is 12%. Amenities include guestrooms equipped with a refrigerator, cable satellite television, and free high-speed Internet access. Guests will wake each morning to a complimentary full hot breakfast. This pet-friendly Iowa hotel also features an indoor heated swimming pool and hot tub, fitness center, 24-hour business center, and meeting facilities. This property is located within a mile from the campus and is on the local campus shuttle route. Cancellation and early check-out policies vary; be sure to check when you make your reservation. Checkin time is 3:00 p.m. and checkout time is 12:00 p.m. The deadline for reservations at this rate is March 27, 2013.

Holiday Inn Ames Conference Center, 2609 University Blvd., Ames, IA 50010, 515-268-8808; www.holidayinn.com/hotels/us/en/ames/amwia/hoteldetail. Rates are US$129 per night for single/double occupancy. Please note that hotel tax in Ames is 12%. Amenities include free high-speed Internet access, indoor heated pool and children's wading pool open 8:00 a.m.-10:00 p.m., business center, and health and fitness center. All rooms have a work desk with an ergonomic chair or work area with two side chairs, microwave, and refrigerator. This property is located approximately 2 mile from the campus by car and is on the local campus shuttle route. Cancellation and early check-out policies vary; be sure to check when you make your reservation. The deadline for reservations at this rate is March 27, 2013.

AmeriCInn & Suites, 2507 SE16th Street, Ames, IA 50010, 515-233-1005; www.americinn.com/hotels/IA/Ames. Rates are US$72 per night for single and double occupancy. Please note that hotel tax in Ames is 12%. Amenities include indoor pool; free hot, home-style AmeriCInn Perk breakfast; and free hotel-wide high-speed Internet. This property is located approximately 5 miles from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. Checkin time is 3:00 p.m. and checkout time is 11:00 a.m. The deadline for reservations at this rate is March 27, 2013.

Country Inn & Suites, 2605 SE 16th Street, Ames, IA 50010, 515-233-3935; www.countryinns.com/ames-hotel-ia-50010/iaames. Rates are US$99 per night for single and double occupancy. Amenities include indoor pool, on-site parking, high-speed wireless Internet access, a Read It & Return® lending library, Business Center, and a complimentary daily breakfast. This is a 100% smoke free property. This property is located approximately 4 miles from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. Checkin time is 2:00 p.m.; Checkout time is 12:00 p.m. The deadline for reservations at this rate is March 27, 2013.

Microtel Inn & Suites, 2216 SE16the Street, Ames, IA 50010, 515-233-4444; www.microtelames.com/. Rates are US$65 per night for doubles and US$55 for singles. Amenities include free continental breakfast, free Wi-Fi Internet access, fitness center, and free parking. 24-hour front desk service and guest laundry facilities. Some hotel rooms feature 32-inch flat-screen TVs, microwaves, refrigerators, and sofa beds. This property is located approximately 5 miles from the campus. Cancellation and early check-out policies vary; be sure to check when you make your reservation. Checkin time is 2:00 p.m.; checkout time is 12:00 p.m. The deadline for reservations at this rate is March 27, 2013.

Food Services

On Campus: Union Drive Marketplace is located on the west side of campus in the Union Drive neighborhood and is open Saturday and Sunday 10:00 a.m. to 2:00 p.m. for lunch and 4:00 p.m. to 7:00 p.m. for dinner. This all-you-can-eat dining center is US$10.50 per person (US$7.25 for under 10) and offers the following dining options: Country Cuisine, Wok Your Way, Oregano’s, Backyard Grill, Farmer’s Market, Fresh Choice Deli, and Sweet Temptations. The Memorial Union Food Court is open Saturday from 11:00 a.m.-2:00 p.m. Options include: Cy’s & Fries, Burrito Works, Panda Express (also open Sunday 4:00 p.m. to 8:00 p.m.), Subway, Sunset Strips, and World Bistro.

Off Campus: There are many choices for dining convenient to campus and hotels.

The Cafe, 2616 Northridge Pkwy, 515-292-0100; offering good food, good drink, and good company, and utilizing some of the most rewarding ingredients life has to offer by buying directly from the people who grow them. Open Friday and Saturday 7:00 a.m.-10:00 p.m. and Sunday 7:00 a.m.-9:00 p.m.

Fuji Japanese Steakhouse, 1614 S Kellogg Ave. #101, 515-232-8383; offering the personalized experience of having your choice of succulent seafood, tender chicken, juicy steaks, and fresh vegetables grilled to delicious perfection in an extraordinary theater that will feed the senses and entertain the appetite. Open Friday and Saturday for lunch from 11:00 a.m.-2:00 p.m. and dinner from 2:00 p.m.-10 p.m., and Sunday from 11:00 a.m.-9:00 p.m.

Lucullan’s Italian Grill, 400 Main Street, 515-232-8484; for 33 years we have been feeding the friends and families of
Meetings & Conferences

Ames and ISU. We have a rich history of incredible authen-
tic Italian food, rich sauces, aged steaks, and baked breads. Friday and Saturday for dinner from 4:30 p.m.-10:00 p.m. and Sunday from 5:00 p.m.-9:00 p.m.

Olde Main Brewing Company, 316 Main Street, 515-232-0553; is located in downtown Ames’ quaint Main Street district and offers handcrafted foods, brews, and atmosphere which will make you feel right at home. The restaurant is open daily for dinner from 5:00 p.m.-10:00 p.m., Saturday lunch 11:00 a.m.-3:00 p.m. and Sunday brunch 10:30 a.m.-2:00 p.m. The Pub is open daily from 11:00 a.m.-2:00 a.m.

Hickory Park, 1404 South Duff Avenue, 515-232-8940; established in 1970, and since its inception has become an Ames tradition! Hickory Park’s reputation has flourished from an expansive menu filled with a variety of hickory smoked meats served in generous portions. There is certainly something for everyone with over 100 menu selections. Open Friday and Saturday 10:30 a.m.-10:00 p.m. and Sunday10:30 a.m.-9:00 p.m.

Please visit www.visitames.com/shop_and_dine/dining.aspx, for more casual and fine dining options in Ames.

Registration and Meeting Information

Registration and the AMS book exhibit will be located in the Room 305 of Carver Hall. Special Sessions and all Invited Addresses will be held in Carver Hall and the Erdős Memorial Lecture will be held in Room 2055 of Hoover Hall. Please refer to the campus map www.math.iastate.
edu/Events/2013AMS/getting.html for specific locations. The registration desk will be open on Saturday, April 27, 7:30 a.m.-4:00 p.m. and Sunday, April 28, 8:00 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 book exhibit.

Friday Poster Session: The Department of Mathematics will be hosting a Graduate Student Poster Session Friday, April 26, 2013 6:30 p.m.-9:00 p.m. in the Sun Room and South Ballroom of the Memorial Union. Refreshments will be served. Easels, backing boards, and clips provided. Submission deadline is March 31, 2013. Address inquiries to Luis Garcia at lagarcia@iastate.edu. For more information please visit http://www.math.iastate.edu/Events/2013AMS/posterinfo.html.

Local Information and Maps

This meeting will take place on the Ames Campus of Iowa State University. A campus map for all of Iowa State University can be found at www.math.iastate.edu/Events/2013AMS/getting.html Information about the Iowa State University Department of Mathematics may be found at http://www.math.iastate.edu/. Please watch the website available at www.ams.org/meetings/sectional/sectional.html for additional information on this meeting. Please visit the Iowa State University website at www.iastate.edu/ for additional information on the campus.

Parking

Visitor parking is available in the garages on campus. The following link directs you to a map which shows where the Parking Ramp (hourly fees apply) and Parking Lot 50B (free parking) are in relation to Carver Hall: http://www.math.iastate.edu/Events/2013AMS/mapMeeting.pdf. For information on hourly and daily rates for the Parking Ramp please visit: http://www.mu.iastate.edu/index.cfm?nodeID=21695&audienceID=1.

Travel

Iowa State University is located in Ames, Iowa. The Des Moines International Airport is 40 miles south of Ames.

Shuttle: The University has organized a shuttle from the airport to Ames for US$55 roundtrip/person. Please visit the link to reserve your shuttle: https://www.visitames.com/2013-Math-Society-Spr-Mtg.

By Car: From I-35: Take exit 111B, merging onto U.S.-30W toward Ames/Iowa State. On U.S.-30W, take exit 146, merging onto University Boulevard. Continue on University Boulevard 1.4 miles to Lincoln Way. Turn left (west) onto Lincoln Way and continue .6 miles to the Union parking ramp entrance on your right.

Car Rental

Hertz is the official car rental company for the meeting. To make a reservation accessing our special meeting rates online go to www.hertz.com, click on the box “I have a discount”, and type in our convention number (CV): 04N30003. You can also call Hertz directly at 800-654-2240 (U.S. and Canada) or 405-749-4434 (other countries). At the time this announcement was prepared, rates were US$24.00 to US$74.00 per day on the weekend. At the time of your reservation, the meeting rates will be automatically compared to other Hertz rates and you will be quoted the best comparable rate available.

Local Transportation

CyRide: The CyRide bus system serves the Iowa State campus and city of Ames. ISU students ride free. Regular fare for others is US$1, with reduced fares for seniors, K-12 students, and others.

Weather

The average high temperature for April is approximately 60 degrees Fahrenheit and the average low is ap-
proximately 40 degrees Fahrenheit. Rain can be common in 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 sites.nationalacademies.org/pga/biso/visas/ and 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 mk1@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.

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

Special Sessions

Algebraic Geometry, Marian Aprodu, Institute of Mathematics of the Romanian Academy, Mircea Mustata, University of Michigan, Ann Arbor, and Mihnea Popa, University of Illinois, Chicago.  
Calculus of Variations and Partial Differential Equations, Marian Bocca, Loyola University, Chicago, Liviu Ignat, Institute of Mathematics of the Romanian Academy, Mihai Mihailescu, University of Craiova, and Daniel Onofrei, University of Houston.  
Commutative Algebra, Florian Enescu, Georgia State University, and Cristodor Ionescu, Institute of Mathematics of the Romanian Academy.  
Discrete Mathematics and Theoretical Computer Science, Sebastian Cioaba, University of Delaware, Gabriel Istrate, Universitatea de Vest, Timisoara, Ioan Tomescu, University of Bucharest, and Marius Zimand, Towson University.  
Domain Decomposition Methods and their Applications in Mechanics and Engineering, Lori Badea, Institute of Mathematics of the Romanian Academy, and Marcus Sarkis, Worcester Polytechnic Institute.  
Geometry and Topology of Arrangements of Hypersurfaces, Daniel Matei, Institute of Mathematics of the Romanian Academy, and Alexandru I. Suciu, Northeastern University.
Harmonic Analysis and Applications, Ciprian Demeter, Indiana University, Bloomington, and Camil Muscalu, Cornell University.

Hopf Algebras, Coalgebras, and their Categories of Representations, Miodrag C. Iovanov, University of Bucharest and University of Iowa, Susan Montgomery, University of Southern California, and Siu-Hung Ng, Iowa State University.

Local and Nonlocal Models in Wave Propagation and Diffusion, Anca V. Ion, Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy, and Petronela Radu, University of Nebraska, Lincoln.

Mathematical Finance, Stochastic Analysis, and Partial Differential Equations, Lucian Beznea, Institute of Mathematics of the Romanian Academy, Paul Feehan, Rutgers University, Victor Nistor, Pennsylvania State University, Camelia Pop, University of Pennsylvania, and Mihai Sirbu, University of Texas, Austin.


Mathematical Models in Materials Science and Engineering, Marian Bocca, Loyola University, Chicago, and Bogdan Vernescu, Worcester Polytechnic Institute.


Nonlinear Evolution Equations, Daniel Tataru, University of California, Berkeley, and Monica Visan, University of California, Los Angeles.

Operator Algebra and Noncommutative Geometry, Marius Dadarlat, Purdue University, and Florin Radulescu, Institute of Mathematics of the Romanian Academy and University of Rome Tor Vergata.

Operator Theory and Function Spaces, Aurelian Gheondea, Institute of Mathematics of the Romanian Academy and Bilkent University, Mihai Putinar, University of California, Santa Barbara, and Dan Timotin, Institute of Mathematics of the Romanian Academy.

Probability and its Relation to Other Fields of Mathematics, Krzysztof Burdzy, University of Washington, and Mihai N. Pascu, Transylvania University of Brașov.

Random Matrices and Free Probability, Ioana Dumitriu, University of Washington, and Ionel Popescu, Georgia Institute of Technology and Institute of Mathematics of the Romanian Academy.

Several Complex Variables, Complex Geometry and Dynamics, Dan Coman, Syracuse University, and Cezar Joița, Institute of Mathematics of the Romanian Academy.

Topics in Geometry and Algebraic Topology, Stefan Papadima, Institute of Mathematics of the Romanian Academy, and Alexandru I. Suciu, Northeastern University.

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

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

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
Extremal Graph Theory (Code: SS 2A), Jozsef Balogh, University of Illinois at Urbana-Champaign, and Louis DeBiasio and Tao Jiang, Miami University, Oxford, OH.
Set Theory and Its Applications (Code: SS 1A), Paul Larson, Miami University, Justin Moore, Cornell University, and Grigor Sargsyan, Rutgers 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
Program issue of electronic Notices: October 2013
Issue of Abstracts: Volume 33, Issue 3
Meetings & Conferences

Deadlines
For organizers: March 12, 2013
For consideration of contributed papers in Special Sessions: June 25, 2013
For abstracts: August 20, 2013

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

Invited Addresses
Patrick Brosnan, University of Maryland, Title to be announced.
Xiaojung Huang, Rutgers University, Title to be announced.
Barry Mazur, Harvard University, Title to be announced (Erdős Memorial Lecture).
Robert Strain, University of Pennsylvania, Title to be announced.

Special Sessions
Contact and Symplectic Topology (Code: SS 5A), Joshua M. Sabloff, Haverford College, and Lisa Traynor, Bryn Mawr College.
History of Mathematics in America (Code: SS 4A), Thomas 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.
Recent Developments in Noncommutative Algebra (Code: SS 6A), Edward Letzter and Martin Lorenz, Temple University.
Several Complex Variables and CR Geometry (Code: SS 7A), Andrew Raich, University of Arkansas, and Yuan Zhang, Indiana University-Purdue University Fort Wayne.

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 12, 2013
For consideration of contributed papers in Special Sessions: June 25, 2013
For abstracts: August 20, 2013

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.
Computability Across Mathematics (Code: SS 2A), Wesley Calvert, Southern Illinois University, and Johanna Franklin, University of Connecticut.
Geometric Topology in Low Dimensions (Code: SS 4A), William H. Kazez, University of Georgia, and Rachel Roberts, Washington University in St. Louis.
Interactions between Geometric and Harmonic Analysis (Code: SS 3A), Leonid Kovalev, Syracuse University, and Jeremy Tyson, University of Illinois, Urbana-Champaign.
Noncommutative Rings and Modules (Code: SS 5A), Greg Marks and Ashish Srivastava, St. Louis University.

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
Meetings & Conferences

The scientific information listed below may be dated. For the latest information, see 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.*

Special Sessions

- *The Mathematics of Planet Earth* (Code: SS 1A), **John Baez**, University of California, Riverside.

Baltimore, Maryland

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

**January 15–18, 2014**

*Wednesday – Saturday*

**Meeting #1096**

Joint Mathematics Meetings, including the 120th Annual Meeting of the AMS, 97th Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association 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 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

Knoxville, Tennessee

*University of Tennessee, Knoxville*

**March 21–23, 2014**

*Friday – Sunday*

**Meeting #1097**

Southeastern Section

**Baltimore, Maryland**

*University of Maryland, Baltimore County*

**March 29–30, 2014**

*Saturday – Sunday*

**Meeting #1098**

Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of *Notices*: January 2014
Program first available on AMS website: To be announced
Program issue of electronic *Notices*: March 2014
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

Albuquerque, New Mexico

*University of New Mexico*

**April 5–6, 2014**

*Saturday – Sunday*

**Meeting #1099**

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

Special Sessions
The Inverse Problem and Other Mathematical Methods Applied in Physics and Related Sciences (Code: SS 1A), Hanna Makaruk, Los Alamos National Laboratory, and Robert Owczarek, University of New Mexico and Enfitek Inc.

Lubbock, Texas
Texas Tech University
April 11–13, 2014
Friday – Sunday
Meeting #2000
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

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

Special Sessions
Topology and Physics (Code: SS 1A), Razvan Gelca and Alastair Hamilton, Texas Tech University.

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

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

Special Sessions
Mirror Symmetry and Representation Theory, David Kazhdan, Hebrew University, and Roman Bezrukavnikov, Massachusetts Institute of Technology.
Nonlinear Analysis and Optimization, Boris Mordukhovich, Wayne State University, and Simeon Reich and Alexander Zaslavski, The Technion-Israel Institute of Technology.
Qualitative and Analytic Theory of ODE’s, Yosef Yomdin, Weizmann Institute.

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

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 (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).**

Associate secretary: Steven H. Weintraub

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

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

Las Vegas, Nevada

*University of Nevada, Las Vegas*

**April 18–19, 2015**

*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: September 18, 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*

**First Joint International Meeting between the AMS and the Sociedade Portuguesa de Matemática.**

Chicago, Illinois

*Loyola University Chicago*

**October 3–4, 2015**

*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: March 10, 2015

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 (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).**

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: October 2015

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

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

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 (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

Associate secretary: 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