
Meetings & Conferences of the AMS

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

Warsaw, Poland

University of Warsaw

July 31 – August 3, 2007

Tuesday – Friday

Meeting #1029

First Joint International Meeting between the AMS and the Polish Mathematical Society

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: May 2007

Program first available on AMS website: Not applicable

Program issue of electronic *Notices*: Not applicable

Issue of *Abstracts*: Not applicable

Deadlines

For organizers: Expired

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

Henryk Iwaniec, Rutgers University, *Golden nuggets of sieve methods*.

Tomasz J. Luczak, Adam Mickiewicz University, *Title to be announced*.

Tomasz Mrowka, Massachusetts Institute of Technology, *Reflections on homological invariants for knots*.

Ludomir Newelski, University of Wrocław, *Topological dynamics and model theory*.

Madhu Sudan, Massachusetts Institute of Technology, *List decoding: A survey*.

Anna Zdunik, Warsaw University, *Title to be announced*.

Special Sessions

Arithmetic Algebraic Geometry, **Grzegorz Banaszak**, Adam Mickiewicz University, **Eric Friedlander**, Northwestern University, **Wojciech Gajda**, Adam Mickiewicz University, **Piotr Krason**, Szczecin University, and **Wiesława Nizio**.

Complex Analysis, **Zeljko Cuckovic**, University of Toledo, **Zbigniew Blocki**, Jagiellonian University, and **Marek Ptak**, University of Agriculture.

Complex Dynamics, **Robert Devaney**, Boston University, **Jane N. Hawkins**, University of North Carolina, and **Janina Kotus**, Warsaw University of Technology.

Complexity of Multivariate Problems, **Joseph F. Traub**, Columbia University, **Grzegorz W. Wasilkowski**, University of Kentucky, and **Henryk Wozniakowski**, Columbia University.

Control and Optimization of Non-linear PDE Systems, **Irena Lasiecka**, University of Virginia, and **Jan Sokolowski**, Systems Research Institute.

Dynamical Systems, **Steven Hurder**, University of Illinois at Chicago, **Michał Misiurewicz**, Indiana University-Purdue University Indianapolis, and **Paweł Walczak**, University of Łódź.

Dynamics, Control and Optimization of Finite Dimensional Systems: Theory and Applications to Biomedicine, **Urszula Forys**, Warsaw University, **Urszula Ledzewicz**, Southern Illinois University, and **Heinz Schaettler**, Washington University.

Ergodic Theory and Topological Dynamics, **Dan Rudolph**, Colorado State University, and **Mariusz Lemanczyk**, Nicholas Copernicus University.

Extremal and Probabilistic Combinatorics, **Joel Spencer**, New York University-Courant Institute, and **Michal Karonski** and **Andrzej Rucinski**, Adam Mickiewicz University.

Function Spaces, Theory of Operators and Geometry of Banach Spaces, **Henryk Hudzik**, Adam Mickiewicz University, **Anna Kaminska**, University of Memphis, and **Mieczyslaw Mastylo**.

Geometric Applications of Homotopy Theory, **Yuli B. Rudyak**, University of Florida, **Boguslaw Hajduk**, Warsaw University, **Jaroslav Kedra**, University of Aberdeen, and **Aleksy Tralle**, The College of Economics & Comp Science.

Geometric Function Theory, **Michael Dorff**, Brigham Young University, **Piotr Liczberski**, University of Lodz, **Maria Nowak**, Biblioteka Instytutu Matematyki, and **Ted Suffridge**, University of Kentucky.

Geometric Group Theory, **Mladen Bestvina**, University of Utah, **Tadeusz Januszkiewicz**, Ohio State University, and **Jacek Swiatkowski**, University of Wroclaw.

Geometric Topology, **Jerzy Dydak**, University of Tennessee, **Slawomir Nowak**, and **Stanislaw Spiez**, University of Warsaw.

Homotopy Methods in Algebra and Topology, **Wojciech Chacholski**, KTH Stockholm, **Jan Spalinski**, Politechnika Warszawska, and **Michele Intermont**, Kalamazoo College.

Invariants of Links and 3-manifolds, **Mieczyslaw Dabkowski**, University of Texas at Dallas, **Jozef H. Przytycki**, George Washington University, **Adam S. Siroka**, State University of New York at Buffalo, and **Pawel Traczyk**, Warsaw University.

Issues in Reforming Mathematics Education, **Jeremy Kilpatrick**, University of Georgia, and **Zbigniew Semadeni**, University of Warsaw.

Mathematics of Large Quantum Systems, **Michael Loss**, Georgia Institute of Technology, **Jan Philip Solovej**, University of Copenhagen, and **Jan Dereziński**, University of Warsaw.

Noncommutative Geometry and Quantum Groups, **Paul Baum**, Pennsylvania State University, and **Ulrich Kraehmer** and **Tomasz Maszczyk**.

Partial Differential Equations of Evolution Type, **Susan J. Friedlander**, University of Illinois at Chicago, and **Grzegorz A. Karch**, University of Wroclaw.

Quantum Information Theory, **Robert Alicki**, University of Gdansk, and **Mary Beth Ruskai**, Tufts University.

Topological Fixed Point Theory and Related Topics, **Jerzy Jezierski**, University of Agriculture, **Wojciech Kryszewski**, Nicholas Copernicus University, and **Peter Wong**, Bates College.

Topology of Manifolds and Transformation Groups, **Slawomir Kwasik**, **Krzysztof Pawalowski**, and **Dariusz Wilczynski**, Utah State University.

Chicago, Illinois

DePaul University (Loop Campus)

October 5–6, 2007

Friday – Saturday

Meeting #1030

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: August 2007

Program first available on AMS website: August 16, 2007

Program issue of electronic *Notices*: October 2007

Issue of *Abstracts*: Volume 28, Issue 3

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: August 7, 2007

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

Invited Addresses

Martin Golubitsky, University of Houston, *Symmetry breaking and synchrony breaking*.

Matthew J. Gursky, University of Notre Dame, *Origins and applications of some nonlinear equations in conformal geometry*.

Alex Iosevich, University of Missouri, *Incidence theory, Fourier analysis and applications to geometric combinatorics and additive number theory*.

David E. Radford, University of Illinois at Chicago, *Title to be announced*.

Special Sessions

Algebraic Coding Theory (in Honor of Harold N. Ward's Retirement) (Code: SS 19A), **Jay A. Wood**, Western Michigan University.

Algebraic Combinatorics: Association Schemes and Related Topics (Code: SS 1A), **Sung Y. Song**, Iowa State University, and **Paul Terwilliger**, University of Wisconsin.

Algebraic Geometry (Code: SS 5A), **Lawrence Man Hou Ein** and **Anatoly S. Libgober**, University of Illinois at Chicago.

Algorithmic Probability and Combinatorics (Code: SS 22A), **Manuel Lladser**, University of Colorado, and **Robert S. Maier**, University of Arizona.

Analysis and CR geometry (Code: SS 12A), **Song-Ying Li**, University of California Irvine, and **Stephen S.-T. Yau**, University of Illinois at Chicago.

Applied Harmonic Analysis (Code: SS 13A), **Jonathan Cohen** and **Ahmed I. Zayed**, DePaul University.

Automorphic Forms: Representation Theory of p -adic and Adelic Groups (Code: SS 8A), **Mahdi Asgari** and **Anantharam Raghuram**, Oklahoma State University.

Differential Geometry and its Applications (Code: SS 17A), **Jianguo Cao**, University of Notre Dame.

Ergodic Theory and Symbolic Dynamical Systems (Code: SS 7A), **Ayşe A. Sahin** and **Ilie D. Ugarcovici**, DePaul University.

Extremal and Probabilistic Combinatorics (Code: SS 3A), **Jozsef Balogh**, University of Illinois at Urbana-Champaign, and **Dhruv Mubayi**, University of Illinois at Chicago.

Free Resolutions (Code: SS 21A), **Noam Horwitz** and **Irena Peeva**, Cornell University.

Geometric Combinatorics (Code: SS 15A), **Caroline J. Klivans**, University of Chicago, and **Kathryn Nyman**, Loyola University Chicago.

Graph Theory (Code: SS 20A), **Hemanshu Kaul** and **Michael J. Pelsmajer**, Illinois Institute of Technology.

Hopf Algebras and Related Areas (Code: SS 2A), **Yevgenia Kashina** and **Leonid Krop**, DePaul University, **M. Susan Montgomery**, University of Southern California, and **David E. Radford**, University of Illinois at Chicago.

Mathematical Modeling and Numerical Methods (Code: SS 16A), **Atife Caglar**, University of Wisconsin-Green Bay.

Model Theory of Non-elementary Classes (Code: SS 23A), **John T. Baldwin**, University of Illinois at Chicago, **David W. Kueker**, University of Maryland, and **Rami Grossberg**, Carnegie Mellon University.

Nonlinear Conservation Laws and Related Problems (Code: SS 11A), **Cleopatra Christoforou** and **Gui-Qiang Chen**, Northwestern University.

Numerical and Symbolic Techniques in Algebraic Geometry and Its Applications (Code: SS 18A), **GianMario Besana**, DePaul University, **Jan Verschelde**, University of Illinois at Chicago, and **Zhonggang Zeng**, Northeastern Illinois University.

Sequence Spaces and Transformations (Code: SS 10A), **Constantine Georgakis**, DePaul University, and **Martin Buntinas**, Loyola University of Chicago.

Singular Integrals and Related Problems (Code: SS 14A), **Laura De Carli**, Florida International University, and **A. M. Stokolos**, DePaul University.

Smooth Dynamical Systems (Code: SS 6A), **Marian Gidea**, Northeastern Illinois University, and **Ilie D. Ugarcovici**, DePaul University.

The Euler and Navier-Stokes Equations (Code: SS 4A), **Alexey Cheskidov**, University of Michigan, and **Susan J. Friedlander** and **Roman Shvydkoy**, University of Illinois at Chicago.

Wave Propagation from Mathematical and Numerical Viewpoints (Code: SS 9A), **Gabriel Koch**, University of Chicago, **Catalin Constantin Turc**, Caltech and University of North Carolina at Charlotte, and **Nicolae Tarfulea**, Purdue University Calumet.

Accommodations

Participants should make their own arrangements directly with the hotel of their choice and **state that they will be attending the American Math Society (AMS) meeting**. The

AMS is not responsible for rate changes or for the quality of the accommodations. Rates quoted do not include taxes. **Hotels have varying cancellation or early check-out penalties; be sure to ask for details when making your reservation.**

Please note that due to exceptional tourist business (conventions and Chicago Marathon) hotel room rates in the downtown area are extremely high and availability very limited. AMS was able to secure rooms at the Crowne Plaza for \$175 per night. This hotel is located within walking distance of the meeting. See information below.

Crowne Plaza Chicago Metro, 733 West Madison Ave.; 800-980-6429 or 312-829-5000; \$175/single or double. For more information visit <http://www.crowneplaza.com/chicagometro>. **Deadline for reservations is September 10, 2007.**

Please note the following hotels are located near O'Hare Airport in the Rosemont suburb of Chicago. Both hotels are on the CTA Blue Line (\$2.00 from each location and exact change is recommended to simplify entering the train stations) and are approximately 30 minutes to the meeting. From the trains, exit at Jackson Boulevard (300 South).

DoubleTree O'Hare-Rosemont Hotel, 5460 North River Road, Rosemont, IL 60018; 847-292-9100; Fax: 847-292-9295; \$110 single/double. For more information visit <http://www.doubletree.com/en/dt/hotels/index.jhtml?ctyhocn=CHIDTDT>. **Deadline for reservations is September 13, 2007.**

Hilton Chicago O'Hare Airport, O'Hare International Airport, P.O. Box 66414, Chicago, IL, 60666; 773-686-8000; Fax: 773-601-2873; US\$135 single/double. For more information visit http://www1.hilton.com/en_US/hi/hotel/CHIOHHH-Hilton-Chicago-O-Hare-Airport-Illinois/index.do. **Deadline for reservations is September 20, 2007.**

Food Service

Campus dining facilities: 11th floor, DePaul Center, 7:30 a.m. to 2:30 p.m. on Friday. The dining facility is closed on Saturday. Many additional restaurants are located within short walking distance. A list of restaurants will be available.

Local Information

Please visit the website maintained by DePaul University at <http://www.depaul.edu> and the department of mathematics at

Other Activities

AMS Book Sale: Stop by the on-site AMS Bookstore—review the newest titles from the AMS, enter the FREE book drawing, enjoy up to 25% off all titles or even take home the new AMS T-shirt! Complimentary coffee will be served courtesy of AMS Membership Services.

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

Parking

Although DePaul University has no parking facilities of its own in the loop area, there are several municipal parking lots in the area. The cost of parking varies.

Registration and Meeting Information

Registration will take place in the lobby on the 8th floor of the DePaul Center, 1 E. Jackson Blvd. from 7:30 a.m. to 5:00 p.m., Friday, October 5, and 8:00 a.m. to noon on Saturday, October 6. Invited addresses will take place on the 8th floor of the DePaul Center and Special Sessions will take place in the DePaul Center and the Lewis Center.

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

Travel

The DePaul Center is located at the intersection of State Street and Jackson Boulevard. It is well served by public transportation and has many nearby parking garages.

By Air: Inquire upon arrival at O'Hare Airport or Midway Airport for public transportation or car rentals. Airport Express vans depart O'Hare every 10 minutes for the 45-minute trip downtown, and from Midway every 15 minutes for the 30-minute trip to downtown.

Driving: From the north and northwest: the campus is accessible from the John F. Kennedy Expressway (I-90/I-94). Exit at Jackson Boulevard (300 South) and turn east. The campus is approximately 1 mile from the expressway at Jackson Blvd.

From the west: The campus is accessible from the Dwight D. Eisenhower Expressway (I-290). As you enter the downtown area the expressway becomes Congress Parkway. Turn left (north) on Dearborn Street (50 West), go two blocks to Jackson Blvd. (300 South) and turn right (east). DePaul University is one block east on Jackson Blvd. at State Street.

From the south: Take I-90/I-94 exit at Jackson Blvd. (300 South) and turn east. The campus is approximately one mile from the expressway on Jackson Boulevard.

By Train or Bus: All rapid transit train lines (CTA) serve the campus and include the O'Hare/Congress/Douglas (Blue) and Midway/Loop (Orange). From the trains, exit at Jackson Boulevard (300 South). The fare from each airport is \$2.00 and exact change is recommended to simplify entering the train stations.

Car Rental

Avis is the official car rental company for the sectional meeting in Chicago, IL. All rates include unlimited free mileage. Weekend daily rates are available from noon Thursday–Monday at 11:59 p.m. and start at \$24 per day. Rates for this meeting are effective September 28–October 13, 2007. Should a lower qualifying rate become available at the time of booking, Avis is pleased to offer a 5% discount off the lower qualifying rate or the meeting rate, whichever is lowest. Rates do not include any state or

local surcharges, tax, optional coverages or gas refueling charges. Renters must meet Avis' age, driver, and credit requirements. Reservations can be made by calling 800-331-1600 or online at <http://www.avis.com>. Meeting **Avis Discount Number B159266**.

Weather

The daytime temperatures typically range from 45–65 degrees Fahrenheit, and in the 45 degree range at night. Some light rain is possible.

Information for International Participants

Visa regulations are continually changing for travel to the United States. Visa applications may take from three to four months to process and require a personal interview, as well as specific personal information. International participants should view the important information about traveling to the U.S. found at http://www7.nationalacademies.org/visas/Traveling_to_US.html and <http://travel.state.gov/visa/index.html>. If you need a preliminary conference invitation in order to secure a visa, please send your request to dls@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 web sites above for the most up-to-date information.

New Brunswick, New Jersey

Rutgers University-New Brunswick, College Avenue Campus

October 6–7, 2007

Saturday – Sunday

Meeting #1031

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: August 2007

Program first available on AMS website: August 16, 2007

Program issue of electronic *Notices*: October 2007

Issue of *Abstracts*: Volume 28, Issue 3

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: August 7, 2007

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

Invited Addresses

Satyan L. Devadoss, Williams College, *The topology of particle collisions*.

Tara S. Holm, University of Connecticut, *Act globally, compute locally: Localization in symplectic geometry*.

Sir Roger Penrose, University of Oxford, *Spacetime conformal geometry, and a new extended cosmology* (Einstein Public Lecture in Mathematics).

Scott Sheffield, Courant Institute and Institute for Advanced Study, *Random metrics and geometries in two dimensions*.

Mu-Tao Wang, Columbia University, *Isometric embeddings and quasi-local mass*.

Special Sessions

Commutative Algebra (Code: SS 4A), **Jooyoun Hong**, University of California Riverside, and **Volmer V. Vasconcelos**, Rutgers University.

Geometric Analysis of Complex Laplacians (Code: SS 8A), **Siqi Fu**, Rutgers University, Camden, **Xiaojun Huang**, Rutgers University, New Brunswick, and **Howard J. Jacobowitz**, Rutgers University, Camden.

Invariants of Lie Group Actions and Their Quotients (Code: SS 9A), **Tara S. Holm**, Cornell University, and **Rebecca F. Goldin**, George Mason University.

Mathematical and Physical Problems in the Foundations of Quantum Mechanics (in honor of Shelly Goldstein's 60th birthday) (Code: SS 3A), **Roderich Tumulka** and **Detlef Dürr**, München University, and **Nino Zanghi**, University of Genova.

Noncommutative Geometry and Arithmetic Geometry (Code: SS 10A), **Caterina Consani**, Johns Hopkins University, and **Li Guo**, Rutgers University.

Partial Differential Equations in Mathematical Physics (in honor of Shelly Goldstein's 60th birthday) (Code: SS 2A), **Sagun Chanillo**, **Michael K.-H. Kiessling**, and **Avy Soffer**, Rutgers University.

Partial Differential Equations of Mathematical Physics, I (dedicated to the memory of Tom Branson) (Code: SS 7A), **Sagun Chanillo**, **Michael K.-H. Kiessling**, and **Avy Soffer**, Rutgers University.

Probability and Combinatorics (Code: SS 1A), **Jeffrey N. Kahn** and **Van Ha Vu**, Rutgers University.

Set Theory of the Continuum (Code: SS 5A), **Simon R. Thomas**, Rutgers University.

Toric Varieties (Code: SS 6A), **Milena S. Hering**, Institute for Mathematics and Its Applications, and **Diane Maclagan**, Rutgers University.

Accommodations

Participants should make their own arrangements directly with a hotel of their choice as early as possible. Special rates have been negotiated with the hotels listed below. The AMS is not responsible for rate changes or for the quality of the accommodations. When making a reservation, **participants should state that they are with the American Mathematical Society (AMS) Rutgers University meeting**. Cancellation and early checkout penalties vary with each hotel; be sure to check the policy when you make your reservations.

N.B. The number of rooms available at these prices in these hotels is limited! Participants are encouraged to book a hotel room early as rooms may sell out.

The Holiday Inn, Somerset, 195 Davidson Avenue, Somerset, NJ 08873; telephone: 732-356-1700; fax: 732-356-0939; approximately six miles, about a 15-minute ride from the campus meeting site; US\$79 for single/double. Rates quoted **do not** include the sales and occupancy tax of 15%. Amenities include two full-service restaurants, as well as a sports bar on the premises, Internet access at no charge, access to fitness center, and an outdoor pool. Parking is complimentary. **Deadline for reservations is September 7, 2007**. There are a number of restaurants within walking distance. Be sure to check cancellation and early checkout policies.

The Double Tree Hotel, 200 Atrium Drive, Somerset, NJ 08873; telephone: 732-469-2600; guest fax: 732-469-4617; approximately six miles, about a 15-minute ride from the campus meeting site; US\$89 for single/double. Rates quoted **do not** include the sales and occupancy tax of 15%. Be sure to check cancellation and early checkout policies. Amenities include high-speed Internet access, indoor heated pool w/Jacuzzi, complimentary wireless in lobby and on second floor, indoor pool, fitness center, and free parking. **Deadline for reservations is September 7, 2007**. There is a pub and restaurant on site.

University Inn and Conference Center, 178 Ryders Lane, New Brunswick, NJ 08901-8556; <http://www.univinn.rutgers.edu/>; telephone: 732-932-9144; fax: 732-932-6952; approximately three miles or a 7-minute

drive on campus to the meeting site; US\$84 single/US\$97 double. Rates quoted are inclusive of all taxes and service charges. Be sure to check cancellation and early checkout policies. The meeting site is also accessible by Campus Bus "EE" which offers a limited schedule on Saturday and Sunday. Amenities include complimentary wireless access, hot breakfast served for overnight guests between 7:30 a.m. and 9:00 a.m., free parking, game room, pool table and shuffle board. The Cook/Douglass Recreation Center (walking distance) is available for use by guests; passes and hours are available at the front desk. Houlihans, On the Border, and other restaurants are within walking distance. **Deadline for reservations is September 7, 2007.**

Food Service

The Rutgers Student Center at 128 College Avenue, New Brunswick, is located in the heart of the College Avenue Campus and has a food court with eateries such as: Au Bon Pain, Gerlanda's Pizza, Szechwan Express, Wendy's, Subway, and King Pita. There are many other restaurants in downtown New Brunswick and all are within a few blocks of the campus as listed on the Rutgers university website, <http://ruinfo.rutgers.edu/visitingRU/dining.html#top>.

Local Information

The university's website is <http://www.rutgers.edu/>; the Department of Mathematics is at <http://www.math.rutgers.edu/>. A general website about visiting New Brunswick and Rutgers, The University of the State of New Jersey is at <http://nbweb.rutgers.edu/visitors.shtml>.

Other Activities

AMS Book Sale: Stop by the on-site AMS Bookstore—review the newest titles from the AMS, enter the FREE book drawing, enjoy up to 25% off all titles or even take home the new AMS T-shirt! Complimentary coffee will be served courtesy of AMS Membership Services.

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

Parking

Parking on campus is limited and is generally permitted only to those with Rutgers decals. However, we have obtained **permission to use Rutgers parking lots 8, 11, 16, and 30**, near Scott Hall, without charge. **Only** these lots may be used by participants, **parking in other lots could result in your car being ticketed or towed.**

Registration and Meeting Information

The meeting is on the College Avenue Campus of Rutgers University, New Brunswick, NJ. Meeting registration and the Invited Addresses will take place in Scott Hall. Sessions will be held in both Scott Hall and in Murray Hall. See the map at <http://maps.rutgers.edu>.

The registration desk will be in Scott Hall and will be open Saturday, October 6, 7:30 a.m. to 4:00 p.m., and Sunday, October 7, 8:00 a.m. to noon. Fees are US\$40 for AMS or CMS members; US\$60/ nonmembers; and US\$5 students, unemployed mathematicians, and emeritus members. Fees are payable on site by cash, check, or credit card.

Travel and Campus Map (information is as of April 2007 and is subject to change)

Rutgers, State University of New Jersey (College Avenue Campus), is conveniently located in New Brunswick in central New Jersey. The Rutgers on-line maps are at <http://maps.rutgers.edu>. Click on New Brunswick/Piscataway; then on the name College Avenue Campus, click on the second "e" in "Avenue" for a map of the College Avenue Campus. Scott Hall is near the bottom, right of center. The map permits you to recenter and zooms in and out.

By Air: Newark Liberty International Airport (NWR) is approximately 30 minutes to Rutgers-New Brunswick (College Avenue Campus) and is the most convenient airport and is less than an hour by car, bus, or train to New York City. From NWR use the "AIRTRAIN" monorail http://www.panynj.gov/CommutingTravel/airports/html/ewr_airtrain.html within NWR Airport to the New Jersey Transit train station in the airport. The one-way train fare to New Brunswick is US\$12.00. Taxis from the airport to the New Brunswick area cost between US\$45-US\$50 plus tip. Check with the taxi dispatcher at the airport for the legal fare to your hotel.

From **LaGuardia Airport (LGA)** the New York Airport Service runs express buses every 20–30 minutes from 7:20 a.m. to 11 p.m. to the Port Authority Bus Terminal, for US\$10-US\$12. Buses are also available from 8 a.m. to 8 p.m. to Penn Station for approximately US\$10-US\$12. Numerous limousine services also operate on these routes. For taxis from LGA to the West Side of Manhattan (where Port Authority and Penn Station are located) the approximate metered fare, is US\$35, plus tolls and tip. For trains or bus service to New Brunswick from Penn Station and Port Authority, see below. Taxi fare is negotiable from LGA, and may run as high as US\$150 to New Brunswick. A lot of airport information can be found at http://www.panynj.gov/CommutingTravel/airports/html/lg_transportation.html.

From **JFK Airport, (JFK)** the situation is similar to LGA. The Airport Service Bus is approximately US\$15, and runs from 6:15 a.m. to 10:10 p.m. By Yellow Taxi, there is a flat US\$45 fare to any destination in Manhattan. This does not include tolls or tips. The US\$45 fare is charged per car, not per passenger. From Manhattan, train and bus services to New Brunswick are described below. The websites http://www.panynj.gov/CommutingTravel/airports/html/lg_transportation.html and <http://www.citidex.com> have a lot of information.

Transportation to campus and hotels: (information is as of April 2007 and is subject to change)

By Train: New Jersey Transit's Northeast Corridor Line provides New Brunswick with both local and express service between Penn Station in New York, Newark, and Trenton, New Jersey. For information call 973-762-5100 or

visit <http://www.njtransit.com>. The regular one-way fare, from New York to New Brunswick is US\$9.50. The New Brunswick train station is a couple of blocks from Scott Hall and also is near many restaurants. Taxis are available at the train station (e.g., Victory Cabs 732-545-6666). Approximate fares from the station, are US\$6 to the University Inn and Conference Center, US\$11 to the Doubletree and to the Holiday Inn in Somerset.

By Bus: Suburban Transit buses (<http://www.suburbantransit.com>) run buses approximately every half hour from 6 a.m. to midnight, between the New Brunswick Train Station and the Port Authority Bus Terminal in New York City. The fare is approximately US\$8 one way. These buses do not serve NWR.

By Car: Getting to the university by Car: Driving directions to the College Avenue Campus and campus maps can be found at the following link <http://maps.rutgers.edu/directions/nb.aspx>.

Travel Advisory: The NJ Department of Transportation's (NJDOT) construction activities associated with the Route 18 reconstruction project have begun in the New Brunswick area. As a result, drivers are likely to experience delays, traffic pattern changes, and possible lane and road closures when traveling through the area. For more information related to the Route 18 construction project, visit <http://route18update.rutgers.edu/>.

Public Transportation: Visit <http://nbweb.rutgers.edu/menus/transportation.shtml> for links to more information regarding public transportation available to the Rutgers University Campus.

Car Rental: Avis is the official car rental company for the sectional meeting in New Brunswick, New Jersey. All rates include unlimited free mileage. All rates include unlimited free mileage. Weekend daily rates are available from noon Thursday–Monday at 11:59 p.m and start at US\$70.00 per day. Rates for this meeting are effective September 30, 2007–October 14, 2007. Should a lower qualifying rate become available at the time of booking, Avis is pleased to offer a 5% discount off the lower qualifying rate or the meeting rate, whichever is lowest. Rates do not include any state or local surcharges, tax, optional coverages, or gas refueling charges. Renters must meet Avis' age, driver, and credit requirements. Reservations can be made by calling 800-331-1600 or online at <http://www.avis.com>. Meeting **Avis Discount Number B159266**.

Information for International Participants: Visa regulations are continually changing for travel to the United States. Visa applications may take from three to four months to process and require a personal interview, as well as specific personal information. International participants should view the important information about traveling to the U.S. found at http://www7.nationalacademies.org/visas/Traveling_to_US.html and <http://travel.state.gov/visa/index.html>. If you need a preliminary conference invitation in order to secure a visa, please send your request to dls@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 web sites above for the most up-to-date information.

Weather

In this region of New Jersey, the averages for the month of October are normally mild (60°F and lows of 50°F). Precipitation in October averages 3.5 inches and snow is not expected (but you never know!).

New England weather varies considerably. It would be wise to consult the weather forecast on the Web (e.g., <http://www.weather.com> for New Brunswick, NJ) just before coming to the meeting.

Albuquerque, New Mexico

University of New Mexico

October 13–14, 2007

Saturday – Sunday

Meeting #1032

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: August 2007

Program first available on AMS website: August 30, 2007

Program issue of electronic *Notices*: October 2007

Issue of *Abstracts*: Volume 28, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: August 21, 2007

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

Invited Addresses

Emmanuel Candes, California Institute of Technology, *The Role of Probability in Compressed Sensing*.

Alexander Polischuk, University of Oregon, *Title to be announced*.

Eric Rains, University of California Davis, *Elliptic Hypergeometric Integrals*.

William E. Stein, University of California San Diego, *SAGE: Open Source Mathematics Software*.

Special Sessions

Affine Algebraic Geometry (Code: SS 2A), **David Robert Finston**, New Mexico State University.

Arithmetic and Algebraic Geometry (Code: SS 10A), **Alexandru Buium** and **Michael J. Nakamaye**, University of New Mexico.

Computational Applications of Algebraic Topology (Code: SS 6A), **Ross Staffeldt**, New Mexico State University.

Computational Methods in Harmonic Analysis and Signal Processing (Code: SS 1A), **Emmanuel Candes**, California Institute of Technology, and **Joseph D. Lakey**, New Mexico State University.

Financial Mathematics: The Mathematics of Financial Markets and Structures (Code: SS 12A), **Cristina Mariani** and **Kenneth Martin**, New Mexico State University.

Geometric Structures on Manifolds (Code: SS 11A), **Charles Boyer** and **Krzysztof Galicki**, University of New Mexico.

Harmonic Analysis Applied to Partial Differential Equations (Code: SS 7A), **Justin Homer**, University of California Berkeley, **Changxing Miao**, Institute of Applied Physics and Computational Mathematics, and **Jiaong Wu**, Oklahoma State University.

Harmonic Analysis and Operator Theory (Code: SS 9A), **Maria C. Pereyra** and **Wilfredo O. Urbina**, University of New Mexico.

Mathematical and Computational Aspects of Compressible Flow Problems (Code: SS 8A), **Jens Lorenz** and **Thomas M. Hagstrom**, University of New Mexico.

Methods of Heterogeneous Data Analysis (Code: SS 14A), **Hanna Ewa Makaruk**, Los Alamos National Laboratory, and **Nikita A. Sakhnenko**, University of New Mexico.

Nonlinear Waves in Optics, Hydrodynamics and Plasmas (Code: SS 13A), **Alejandro Aceves** and **Pavel Lushnikov**, University of New Mexico.

Recent Developments in 2-D Turbulence (Code: SS 3A), **Michael S. Jolly**, Indiana University, and **Greg Eyink**, Johns Hopkins University.

Topics in Mathematical Physics (Code: SS 4A), **Rafal Komendarczyk**, University of Pennsylvania, and **Robert Michal Owczarek**, Los Alamos National Laboratory.

Variational Problems in Condensed Matter (Code: SS 5A), **Lia Bronsard**, McMaster University, and **Tiziana Giorgi**, New Mexico State University.

Accommodations

Very Important—please note that the 2007 Albuquerque International Balloon Fiesta takes place at the time of our meeting so it is imperative that you make hotel reservations as soon as possible.

Participants should make their own arrangements directly with the hotel. When making a reservation identify yourself as being with the UNM Math and Stat group attending the AMS Meeting. The AMS is not responsible for rate changes or for the quality of the accommodations. **Hotels have varying cancellation or early checkout penalties; be sure to ask details when making your reservation.**

Double Tree Hotel, 201 Marquette NW, Albuquerque, New Mexico 87102, 866-224-9330, 888-223-4113; rates start at \$139/single or \$149 double plus tax. Approximately 1 mile to campus. Visit <http://www.doubletree-albuquerque.com>. **Deadline for reservations is September 15.** Be sure to check the cancellation policy.

Plaza Inn Albuquerque, 900 Medical Arts NE, Albuquerque, NM; 505-243-5693 or 800-237-1307; \$99/single or double. Approximately 1 mile to campus. Free continental breakfast served daily and shuttle service provided to campus. Visit <http://www.plazainnabq.com/index.htm>. **Deadline for reservations is September 27.** Be sure to check the cancellation policy.

Food Service

A list of local restaurants will be available at the registration desk.

Local Information and Campus Map

For further information please consult the website maintained by the department of math at the University of New Mexico: <http://www.math.unm.edu>. To view a campus map please visit <http://www.unm.edu/campusmap.html>. Dane Smith Hall is building 48 at F-G-3. For travel information please visit: <http://www.math.unm.edu/about/index.php>.

Other Activities

AMS Book Sale: Stop by the on-site AMS Bookstore—review the newest titles from the AMS, enter the FREE book drawing, enjoy up to 25% off all titles or even take home the new AMS T-shirt! Complimentary coffee will be served courtesy of AMS Membership Services.

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

Parking

Visitors can park anywhere on campus on weekends (6:00 p.m. Friday until 8:00 a.m. Monday) without a permit. City parking rules still apply. For further information please visit <http://pats.unm.edu/visitors.cfm>.

Registration and Meeting Information

Registration will take place in Dane Smith Hall located on Las Lomas Blvd., across from University House on Yale Avenue, from 7:30 a.m. to 4:00 p.m. on Saturday, October 13, and 8:00 a.m. to noon on Sunday, October 14. Registration fees: (payable on-site only) US\$40/AMS members; US\$60/nonmembers; US\$5/emeritus members, students, or unemployed mathematicians. Fees are payable by cash, check, VISA, MasterCard, Discover, or American Express.

Travel

By Air: Albuquerque Sunport International Airport: Albuquerque is served by many of the major commercial carriers and several commuter airlines. The Sunport is located two (2) miles south of UNM.

Traveling to Albuquerque by car: Albuquerque is served by two major interstates, I25 (North-South) and I40 (East-West). The Martin Luther King exit 1 mile south of the I25-I40 interchange allows access to the Doubletree Hotel (go approx 1 mile west to downtown—hotel is on right between 2nd. and 3rd. streets) and UNM (go east to University Blvd., enter campus, turn right on Redondo Rd. and follow it to visitor parking or residence halls).

Driving Directions from Sunport to UNM: Take Yale Blvd. exit north until you dead-end at Central Ave. Cross Central Ave. to enter campus.

Transportation from/to the Sunport: Shuttle and taxi service available after all flights outside at baggage claim level. 24/7 service available from Airport Shuttle (505-765-1234; typical charge US\$12 one-way and US\$22 round-trip) and Albuquerque Cab (505-883-4888, typical charge US\$18.00). Sunport provides a shuttle to Rental Car Center. Doubletree hotel does not have a private shuttle.

Getting around Albuquerque is easiest by car, but the city has regular bus service along Central Ave. from downtown to UNM for participants who wish to stay downtown. Taxi service is available but best arranged beforehand.

Car Rental

Avis is the official car rental company for the sectional meeting in Albuquerque, New Mexico. All rates include unlimited free mileage. Weekend daily rates are available from noon Thursday–Monday at 11:59 p.m. and start at US\$26 per day. Rates for this meeting are effective October 6, 2007–October 21, 2007. Should a lower qualifying rate become available at the time of booking, Avis is pleased to offer a 5% discount off the lower qualifying rate or the meeting rate, whichever is lowest. Rates do not include any state or local surcharges, tax, optional coverages, or gas refueling charges. Renters must meet Avis' age, driver, and credit requirements. Reservations can be made by calling 1-800-331-1600 or online at <http://www.avis.com>. Meeting **Avis Discount Number B159266**.

Weather

October weather is generally pleasant with daytime temperatures in the 60°F range, and night-time temperatures in the 30–45°F range. For up-to-the-minute weather please visit <http://www.weather.com/outlook/driving/local/USNM0004>.

Information for International Participants

Visa regulations are continually changing for travel to the United States. Visa applications may take from three to four months to process and require a personal interview, as well as specific personal information. International participants should view the important information about traveling to the U.S. found at http://www7.nationalacademies.org/visas/Traveling_to_US.html and <http://travel.state.gov/visa/index.html>. If you need a preliminary conference invitation in order to secure a visa, please send your request to dls@ams.org.

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

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- 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 web sites above for the most up-to-date information.

Murfreesboro, Tennessee

Middle Tennessee State University

November 3–4, 2007

Saturday – Sunday

Meeting #1033

Southeastern Section

Associate secretary: Matthew Miller

Announcement issue of *Notices*: September 2007

Program first available on AMS website: September 20, 2007

Program issue of electronic *Notices*: November 2007

Issue of *Abstracts*: Volume 28, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: July 17, 2007

For abstracts: September 11, 2007

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

Invited Addresses

Sergey Gavrilets, University of Tennessee, *Mathematical models of speciation*.

Daniel K. Nakano, University of Georgia, *Bridging algebra and geometry via cohomology*.

Carla D. Savage, North Carolina State University, *The mathematics of lecture hall partitions*.

Sergei Tabachnikov, Pennsylvania State University, *Ubiquitous billiards*.

Special Sessions

Advances in Algorithmic Methods for Algebraic Structures (Code: SS 3A), **James B. Hart**, Middle Tennessee State University.

Applied Partial Differential Equations (Code: SS 4A), **Yuri A. Melnikov**, Middle Tennessee State University, and **Alain J. Kassab**, University of Central Florida.

Billiards and Related Topics (Code: SS 6A), **Sergei Tabachnikov**, Pennsylvania State University, and **Richard Schwartz**, Brown University.

Combinatorial Enumeration, Optimization, Geometry, and Statistics (Code: SS 13A), **Nicholas A. Loehr**, College of William and Mary, **Gabor Pataki**, University of North Carolina, Chapel Hill, **Margaret A. Readdy**, University of Kentucky and M.I.T., **Carla D. Savage**, North Carolina State University, and **Ruriko Yoshida**, University of Kentucky.

Combinatorial Methods in Continuum Theory (dedicated to Jo Heath, Auburn University, on the occasion of her retirement) (Code: SS 8A), **Judy A. Kennedy**, University of Delaware and Lamar University, **Krystyna M. Kuper-**

berg, Auburn University, and **Van C. Nall**, University of Richmond.

Differential Equations and Dynamical Systems (Code: SS 1A), **Wenzhang Huang** and **Jia Li**, University of Alabama, Huntsville, and **Zachariah Sinkala**, Middle Tennessee State University.

Financial Mathematics (Code: SS 16A), **Abdul Khaliq**, Middle Tennessee State University.

Graph Theory (Code: SS 2A), **Rong Luo**, **Don Nelson**, **Chris Stephens**, and **Xiaoya Zha**, Middle Tennessee State University.

Lie and Representation Theory (Code: SS 11A), **Terrell L. Hodge**, University of Virginia and Western Michigan University, **Daniel K. Nakano**, University of Georgia, and **Brian J. Parshall**, University of Virginia.

Mathematical Modeling in Biological Systems (Code: SS 9A), **Terrence J. Quinn**, Middle Tennessee State University.

Mathematical Tools for Survival Analysis and Medical Data Analysis (Code: SS 7A), **Curtis Church**, Middle Tennessee State University, **Chang Yu**, Vanderbilt University, and **Ping Zhang**, Middle Tennessee State University.

Nonlinear Partial Differential Equations and Applications (Code: SS 14A), **Emmanuele DiBenedetto**, **Mikhail Perepelitsa**, and **Gieri Simonett**, Vanderbilt University.

Physical Knots and Links (Code: SS 10A), **Yuanan Diao**, University of North Carolina at Charlotte, and **Claus Ernst**, Western Kentucky University.

Recent Advances in Algebraic Topology (Code: SS 12A), **Mark W. Johnson**, Pennsylvania State University, Altoona, and **Donald Yau**, The Ohio State University at Newark.

Splines and Wavelets with Applications (Code: SS 5A), **Don Hong**, Middle Tennessee State University, and **Qingtang Jiang**, University of Missouri-St. Louis.

Using National Assessment of Educational Progress (NAEP) Data to Enhance Assessment and Inform Instruction (Code: SS 15A), **Michaele F. Chappell**, Middle Tennessee State University, and **Judith H. Hector**, Walters State Community College.

Wellington, New Zealand

Victoria University of Wellington

December 12–15, 2007

Wednesday – Saturday

Meeting #1034

First Joint International Meeting between the AMS and the New Zealand Mathematical Society (NZMS).

Associate secretary: Matthew Miller

Announcement issue of *Notices*: June/July 2007

Program first available on AMS website: Not applicable

Program issue of electronic *Notices*: Not applicable

Issue of *Abstracts*: Not applicable

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: September 28, 2007

For abstracts: October 31, 2007

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

AMS Invited Addresses

Marston Conder, University of Auckland, *Chirality*.

Rodney G. Downey, Victoria University of Wellington, *Practical FPT and foundations of kernelization*.

Michael H. Freedman, Microsoft Research, *Physically motivated questions in topology: Manifold pairings*.

Bruce A. Kleiner, Yale University, *Title to be announced*.

Gaven J. Martin, Massey University, *Curvature and dynamics*.

Assaf Naor, Microsoft Research/Courant Institute, *Title to be announced*.

Theodore A. Slaman, University of California Berkeley, *Title to be announced*.

Matthew J. Visser, Victoria University of Wellington, *Title to be announced*.

AMS Special Sessions

Computability Theory, **Rodney G. Downey** and **Noam Greenberg**, Victoria University of Wellington, and **Theodore A. Slaman**, University of California Berkeley.

Dynamical Systems and Ergodic Theory, **Arno Berger**, University of Canterbury, **Rua Murray**, University of Waikato, and **Matthew J. Nicol**, University of Houston.

Geometric Numerical Integration, **Laurent O. Jay**, The University of Iowa, and **Robert McLachlan**, Massey University.

Group Theory, Actions, and Computation, **Marston Conder**, University of Auckland, and **Russell Blyth**, Saint Louis University.

History and Philosophy of Mathematics, **James J. Tattersall**, Providence College, **Ken Pledger**, Victoria University of Wellington, and **Clemency Williams**, University of Canterbury.

Hopf Algebras and Quantum Groups, **M. Susan Montgomery**, University of Southern California, and **Yinhuo Zhang**, Victoria University of Wellington.

Infinite-Dimensional Groups and Their Actions, **Christopher Atkin**, Victoria University of Wellington, **Greg Hjorth**, University of California Los Angeles/University of Melbourne, **Alica Miller**, University of Louisville, and **Vladimir Pestov**, University of Ottawa.

Integrability of Continuous and Discrete Evolution Systems, **Mark Hickman**, University of Canterbury, and **Willy A. Hereman**, Colorado School of Mines.

Mathematical Models in Biomedicine, **Ami Radunskaya**, Pomona College, **James Sneyd**, University of Auckland, **Urszula Ledzewicz**, University of Southern Il-

linois at Edwardsville, and **Heinz Schaettler**, Washington University.

Matroids, Graphs, and Complexity, **Dillon Mayhew**, Victoria University of Wellington, and **James G. Oxley**, Louisiana State University.

New Trends in Spectral Analysis and Partial Differential Equations, **Boris P. Belinskiy**, University of Tennessee, Chattanooga, **Anjan Biswas**, Delaware State University, and **Boris Pavlov**, University of Auckland.

Quantum Topology, **David B. Gauld**, University of Auckland, and **Scott E. Morrison**, University of California Berkeley.

Special Functions and Orthogonal Polynomials, **Shaun Cooper**, Massey University, **Diego Dominici**, SUNY New Paltz, and **Sven Ole Warnaar**, University of Melbourne.

Water-Wave Scattering Focusing on Wave-Ice Interactions, **Michael H. Meylan**, Massey University, and **Malte Peter**, University of Bremen.

San Diego, California

San Diego Convention Center

January 6–9, 2008

Sunday – Wednesday

Meeting #1035

Joint Mathematics Meetings, including the 114th Annual Meeting of the AMS, 91st 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: Michel L. Lapidus

Announcement issue of *Notices*: October 2007

Program first available on AMS website: November 1, 2007

Program issue of electronic *Notices*: January 2008

Issue of *Abstracts*: Volume 29, Issue 1

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: July 26, 2007

For abstracts: September 20, 2007

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

Joint Invited Addresses

Fan Chung, University of California San Diego, *The mathematics of PageRank* (AMS-MAA Invited Address).

Terence Tao, University of California Los Angeles, *Structure and randomness in the prime numbers* (AMS-MAA Invited Address).

AMS Invited Addresses

James G. Arthur, University of Toronto, *Semisimple groups as universal examples* (AMS Retiring Presidential Address).

Constantine M. Dafermos, Brown University, *Progress in hyperbolic conservation laws*.

Wen-Ching Winnie Li, National Tsing Hua University and Pennsylvania State University, *Combinatorics and number theory*.

Donald G. Saari, University of California Irvine, *A new mathematical frontier: The social and behavioral sciences*.

Peter Teichner, University of California Berkeley, *Quantum field theory and generalized cohomology*.

Wendelin Werner, University of Paris-Sud, *Random conformally invariant pictures* (AMS Colloquium Lectures).

Avi Wigderson, Hebrew University of Jerusalem, *Randomness—A computational complexity view* (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 Dynamics (Code: SS 37A), **Diana M. Thomas**, Montclair State University, **Lennard F. Bakker**, Brigham Young University, and **Donald Mills**, Rose-Hulman Institute of Technology.

Algebraic Topology (Code: SS 48A), **Nitu Kitchloo**, University of California San Diego, **Ralph L. Cohen**, Stanford University, **James P. Lin** and **Justin Robert**, University of California San Diego, and **Peter Teichner**, University of California Berkeley.

Algebraic and Geometric Aspects of Integrable Systems (Code: SS 43A), **Baofeng Feng**, University of Texas-Pan American, **Wenxiu Ma**, University of South Florida, **Kenichi Maruno** and **Zhijun Qiao**, University of Texas-Pan American, and **Taixi Xu**, Southern Polytechnic State University.

Applications of Computer Algebra in Enumerative and Algebraic Combinatorics (Code: SS 39A), **Akalu Tefera**, Massachusetts Institute of Technology and Grand Valley State University, and **Moa Apagodu**, Virginia Commonwealth University.

Asymptotic Methods in Analysis with Applications (Code: SS 18A), **Diego Dominici**, SUNY New Platz, and **Peter A. McCoy**, U.S. Naval Academy (AMS-SIAM).

Automorphic Forms and Related Topics (Code: SS 1A), **Olav K. Richter**, University of North Texas, **Kathrin Bringmann**, University of Minnesota, and **Harold M. Stark**, University of California San Diego.

Biomathematical Modeling (Code: SS 3A), **Olcay Akman**, Illinois State University, and **Timothy D. Comar**, Benedictine University.

Conformally Flat Lorentzian Manifolds (Code: SS 40A), **Virginie Charette**, Université de Sherbrooke, **William M. Goldman**, University of Maryland, **Karin H. Melnick**, Yale University, and **Kevin Scannel**, Saint Louis University.

Dynamics and Stability of Coherent Structures (Code: SS 45A), **Ricardo Carretero**, San Diego State University, and **Jennifer M. Gorsky**, University of San Diego.

E-Theory, Extensions, and Elliptic Operators (Code: SS 38A), **Constantin D. Dumitrescu**, University of Arizona, and **John D. Trout**, Dartmouth College.

Environmental Mathematics: Some Mathematical Problems on Climate Change and Geophysical Fluid Dynamics (Code: SS 29A), **Samuel S. Shen**, San Diego State University, and **Gerald R. North**, Texas A&M University (AMS-SIAM).

Expanders and Ramanujan Graphs: Construction and Applications (Code: SS 44A), **Michael T. Krebs** and **Anthony M. Shaheen**, California State University, Los Angeles, and **Audrey A. Terras**, University of California San Diego.

Financial Mathematics (Code: SS 11A), **Jean-Pierre Fouque**, University of California Santa Barbara, **Kay Giesecke**, Stanford University, **Ronnie Sircar**, Princeton University, and **Knut Solna**, University of California, Irvine.

Global Optimization and Operations Research Applications (Code: SS 4A), **Ram U. Verma**, University of Central Florida.

Graph Theory (Code: SS 46A), **Andre Kundgen** and **K. Brooks Reid**, California State University, San Marcos.

Groups, Representations, and Character Theory (Code: SS 8A), **Manouchehr Misaghian**, Johnson C. Smith University, and **Mohammad Reza Darafsheh**, University of Tehran, Iran.

Heegaard Splittings, Bridge Positions, and Low Dimensional Topology (Code: SS 20A), **Jesse Johnson**, Yale University, **Abigail A. Thompson**, University of California Davis, and **Robin Wilson**, University of California Santa Barbara.

History of Mathematics (Code: SS 28A), **Joseph W. Dauben**, Lehman College, CUNY, **Patti Hunter**, Westmont College, **Victor J. Katz**, University of District of Columbia, and **Karen H. Parshall**, University of Virginia (AMS-MAA).

Hyperbolic Dynamical Systems (Code: SS 30A), **Todd L. Fisher**, University of Maryland, and **Boris Hasselblatt**, Tufts University.

Interactions Between Noncommutative Algebra and Algebraic Geometry (Code: SS 42A), **Daniel S. Rogalski** and **Lance W. Small**, University of California San Diego, and **James J. Zhang**, University of Washington.

Inverse Problems in Geometry (Code: SS 9A), **Peter A. Perry**, University of Kentucky, and **Carolyn S. Gordon**, Dartmouth College.

Learning and Math Graduate Students in K–12 Classroom (Code: SS 36A), **Richard S. Millman**, University of Kentucky, **Loyce M. Adams**, University of Washington, **Overtoun M. Jenda**, Auburn University, and **M. Helena Noronha**, California State University, Northridge.

Low Genus Curves and Applications (Code: SS 34A), **Kristin E. Lauter**, Microsoft Research, and **Peter Stevenhagen**, Leiden University.

Mathematical Problems in Biological Formations (Code: SS 5A), **Yuanwei Qi**, University of Central Florida.

Mathematics and Education Reform (Code: SS 14A), **Bonnie S. Saunders**, University of Illinois, Chicago, **William H.**

Barker, Bowdoin College, **Dale R. Oliver**, Humboldt State University, and **Michael Starbird**, University of Texas, Austin (AMS-MAA-MER).

Mathematics for Teaching: Educating Elementary and Middle School Teachers for Success (Code: SS 33A), **Babette M. Benken**, California State University, Long Beach, and **Lynn C. McGrath** and **Perla L. Myers**, University of San Diego.

Modular Forms and Modularity (Code: SS 47A), **Ling Long**, Iowa State University, **Wen-Ching Winnie Li**, Pennsylvania State University, and **Tong Liu**, University of Pennsylvania.

Monotone Discrete Dynamical Systems with Applications (Code: SS 26A), **M. R. S. Kulenovic** and **Orlando Merino**, University of Rhode Island, and **Hal L. Smith**, Arizona State University.

Probability Theory and Statistical Mechanics (Code: SS 49A), **Itai Benjamini**, Weizmann Institute and Microsoft Research, and **Wendelin Werner**, University of Paris-Sud.

Progress in Commutative Algebra (Code: SS 24A), **Janet Striuli**, University of Nebraska, Lincoln, **Sean M. Sather-Wagstaff**, Kent State University, and **Lars Winther Christensen**, Texas Tech University.

Recent Advances in Mathematical Biology, Ecology, and Epidemiology (Code: SS 22A), **Linda J. S. Allen**, Texas Tech University, **Sophia R. Jang**, University of Louisiana at Lafayette, and **Lih-Ing W. Roeger**, Texas Tech University.

Representation Theory and Nonassociative Algebras (Code: SS 17A), **Murray R. Bremner**, University of Saskatchewan, **Irvin R. Hentzel**, Iowa State University, and **Luiz A. Peresi**, University of Sao Paulo.

Research in Mathematics by Undergraduates (Code: SS 12A), **Darren A. Narayan** and **Bernard Brooks**, Rochester Institute of Technology, **Jacqueline A. Jensen**, Sam Houston State University, **Vadim Ponomarenko**, San Diego State University, and **Tamas Wiandt**, Rochester Institute of Technology (AMS-MAA-SIAM).

Secant Varieties and Related Topics (Code: SS 19A), **Christopher S. Peterson**, Colorado State University, **Hiro-tachi Abo**, University of Idaho, and **Anthony V. Geramita**, Queen's University and University of Genoa.

Set Theory and Banach Spaces (Code: SS 35A), **Christian Rosendal**, University of Illinois at Urbana-Champaign, and **Stevo B. Todorcevic**, University of Toronto and CNRS, Université Paris 7 (AMS-ASL).

Stochastic, Large-Scale, and Hybrid Systems with Applications (Code: SS 16A), **Aghalaya S. Vatsala**, University of Louisiana at Lafayette, and **G. S. Ladde**, University of Texas at Arlington.

Structure, Geometry, and Symbolic Computation of Algebraic Groups and Symmetric Spaces (Code: SS 10A), **Jennifer R. Daniel**, Lamar University, and **Aloysius G. Helminck**, North Carolina State University.

Time-Frequency Analysis: Hilbert Huang Transform and Wavelet Analysis (Code: SS 21A), **Yuesheng Xu**, Syracuse University, **Sherman D. Riemenschneider**, West Virginia University, and **Samuel S. Shen**, San Diego State University.

Voting Theory (Code: SS 41A), **Michael A. Jones**, Montclair State University, **Eric I. Gottlieb**, Rhodes College, and **Brian P. Hopkins**, Saint Peter's College.

Wavelet Sets and Tilings of R^n (Code: SS 23A), **Kathy D. Merrill**, Colorado College, and **Lawrence W. Baggett** and **Judith A. Packer**, University of Colorado, Boulder.

Zeta Functions of Graphs, Ramanujan Graphs, and Related Topics (Code: SS 13A), **Audrey A. Terras**, University of California San Diego, and **Matthew Horton**, Wellesley College (AMS-AWM).

The Feynman Integral in Mathematics and Physics (Code: SS 15A), **Lance W. Nielsen**, Creighton University.

The Linear Diophantine Problem of Frobenius (Code: SS 2A), **Matthias Beck**, San Francisco State University, **Stanley Wagon**, Macalester College, and **Kevin M. Woods**, Oberlin College.

The Mathematics of Information and Knowledge (Code: SS 27A), **Peter W. Jones**, Yale University, **James G. Glimm**, SUNY at Stony Brook, and **Steve Smale**, Toyota Institute of Technology at Chicago.

The Scholarship of Teaching and Learning in Mathematics (Code: SS 25A), **Curtis D. Bennett** and **Jacqueline M. Dewar**, Loyola Marymount University (AMS-MAA).

Call for MAA Contributed Papers

The MAA Committee on Contributed Paper Sessions solicits contributed papers pertinent to the sessions listed below. Contributed paper session organizers generally limit presentations to ten or fifteen minutes. Each session room contains a computer projector, an overhead projector, and at least one screen. Please note that the dates and times scheduled for these sessions remain tentative.

Assessment of Student Learning in Undergraduate Mathematics, Monday afternoon, organized by **William O. Martin**, North Dakota State University; **Bernard L. Madison**, University of Arkansas; **Kimberly M. Vincent**, Washington State University; and **Maura B. Mast**, University of Massachusetts-Boston. Assessment continues to be an important issue for the mathematical sciences, with increasing faculty involvement in assessment activities. Departments are expected to document assessment activities focusing on student learning in general education, the major, and graduate programs for program review and institutional accreditation. Project SAUM (Supporting Assessment in Undergraduate Mathematics) and the SIGMAA on Quantitative Literacy (QL) encourage faculty to disseminate information about their experiences by inviting contributed papers that (a) describe assessment projects on student learning in undergraduate mathematical sciences programs, including the areas of quantitative literacy, general education, and the major; (b) report findings of those projects; and (c) describe faculty and departmental responses to those findings. Papers are solicited from any individuals or groups actively involved in assessment of student learning and are not restricted to members of the SIGMAA-QL or participants of Project SAUM workshops. The SIGMAA-QL and Project SAUM are sponsors of this event.

Biomathematics in the Undergraduate Curriculum, Wednesday morning and afternoon, organized by **Timothy D. Comar** and **Lisa G. Townsley**, Benedictine University; **Glenn W. Ledder**, University of Nebraska; and **Olcay**

Akman, Illinois State University. Reports including BIO 2010: Transforming Undergraduate Education for Future Research Biologists (National Research Council, 2003) and Math and BIO 2010: Linking Undergraduate Disciplines (L. A. Steen, ed., MAA, 2005) emphasize that aspects of biological research are becoming more quantitative and that life science students should be introduced to a greater array of mathematical and computational techniques and to the integration of mathematics and biological content at the undergraduate level. This session is designed to highlight successful implementations of biomathematics courses for life science students in the undergraduate curriculum, course projects for biomathematics courses, recruitment of students into biomathematics courses, involvement of these students in biomathematics research, preparation for graduate work in biomathematics and computational biology, and assessment of how these courses and activities impact the students. Topics may include the issues related to the design of effective biomathematics courses for life science students, integration of biology into existing mathematics courses; collaborations between mathematicians and biologists that have led to new courses, course modules, or undergraduate research projects; collaborations between two-year and four-year institutions; effective use of technology in biomathematics courses; and assessment issues. We encourage submissions from teams of mathematicians and biologists. This session is sponsored by the SIGMAA on Mathematical and Computational Biology (BIO).

Building Diversity in Advanced Mathematics: Models that Work, Wednesday morning, organized by **Abbe H. Herzig**, University at Albany, State University of New York, and **Patricia L. Hale**, California State Polytechnic University, Pomona. Papers presented at this session give models of programs that have been successful at supporting diverse groups of people (women of all races, African Americans, Latinos and Chicanos, and Native Americans) in their pursuit of advanced mathematics study and careers. Presentations will span the educational pathway, since issues of diversity need to be addressed at every educational and professional juncture. Proposals are sought that describe successful programs for postdoctoral (faculty), graduate, undergraduate, or precollege students. We interpret “success” broadly, and are looking for ideas that should be shared with others in the mathematics community as models for promoting diversity across the educational spectrum. These might be academic or extracurricular programs, which have targeted any group of people traditionally underrepresented in the mathematical sciences. Historical perspectives are also welcome. The session is cosponsored by the MAA Committee on the Participation of Women, the MAA Committee on the Participation of Minorities, and the AMS-ASA-AWM-IMS-MAA-NCTM-SIAM Joint Committee on Women.

College Algebra: Concepts, Data, and Models, Monday morning, organized by **Florence S. Gordon**, New York Institute of Technology, **Laurette Foster**, Prairie View A&M University, **Mary R. Robinson**, University of New Mexico Valencia Campus, and **Yajun Yang**, Farmingdale State College of New York. The MAA Committee on Curriculum

Renewal Across the First two Years (CRAFTY), is conducting a national initiative to refocus the courses below calculus to better serve the majority of students taking these courses. The goal is to encourage courses that place much greater emphasis on conceptual understanding and realistic applications compared to traditional courses that too often are designed to develop algebraic skills needed for calculus. We seek to address all the college level courses below calculus, with particular emphasis on offerings in college algebra and precalculus that focus on conceptual understanding, the use of real-world data, and mathematical modeling. We seek presentations that present new visions for such courses, discuss experiences teaching such courses, discuss implementation issues (such as faculty training, placement, introduction of alternative tracks for different groups of students, transferability issues, etc), present results of studies on student performance and tracking data in both traditional and new versions of these courses and in follow-up courses, discuss the needs of other disciplines and the workplace from courses at this level, and discuss connections to the changing high school curricula and implications for teacher education. This session is cosponsored by CRAFTY and the Committee on Two Year Colleges (CTYC).

Countering “I Can’t Do Math”: Strategies for Teaching Under-Prepared Math-Anxious Students Interested in Business and the Sciences, Tuesday morning, organized by **Kimberly J. Presser** and **J. Winston Crawley**, Shippensburg University. How can we create a comfortable learning environment for under-prepared or math-anxious students? One option many schools have chosen is to create general education mathematics courses which expose students to new and different types of mathematics. These liberal arts mathematics courses have been very effective in changing student attitudes about math and are effective options for students in majors which are not mathematically intensive. However, for students with math anxiety issues who are interested in math-intensive majors such as Business or Science, remediation programs or courses need to prepare them for a whole series of mathematics courses which include calculus. What remediation programs or courses are effective for preparing math-anxious students to succeed in math intensive majors? What classroom practices are effective with such students and how does research in student learning inform these practices? This session invites papers on all aspects of “what works” in teaching under-prepared, math-anxious students with majors that require a significant amount of mathematics.

Crossing the “Bridge to Higher Mathematics”: What Works and Why, Sunday morning, organized by **George J. Davis**, Georgia State University. It has been recognized that students can have a difficult time progressing from the calculus sequence to more advanced theoretical courses in algebra and analysis. A number of courses have been created to help bridge the gap. With titles similar to “Bridge to Higher Mathematics”, “Transition to Higher Mathematics”, or “Mathematical Reasoning” the intention is to give students an introduction to thinking about mathematics at a higher level. Most faculty agree that the object of such a course should be to instill the idea of proof. There is far less agreement

on exactly how the sense of proof should be developed, and what content areas should be chosen for illustration. It is the purpose of this session to bring together faculty who have experience with such a course to discuss what works for their students and why. A typical presentation would begin with a brief sketch of the speaker's student population, followed by a description of their particular course. Emphasis should be given to exactly why the course was designed the way it was, how it is working, and whether or not changes are planned. Presenters are strongly encouraged to provide data to support their claims of success.

Cryptology for Undergraduates, Wednesday morning, organized by **Chris Christensen**, Northern Kentucky University, and **Robert E. Lewand**, Goucher College. In increasing numbers, cryptology courses are being developed to serve the needs of undergraduate mathematics and computer science majors. For mathematics majors, cryptology fits into the undergraduate curriculum in much the same way that number theory does. In addition, cryptology is appearing as a topic in mathematics courses for non-majors, as it is a hook to interest these students in mathematics. This contributed paper session solicits presentations that address topics appropriate for undergraduate cryptology courses for mathematics or computer science majors, or presentations of cryptological topics that could interest and motivate non-mathematics majors.

Curriculum Materials for Preservice Middle School Mathematics Teachers, Monday afternoon, organized by **Laurie J. Burton**, **Maria G. Fung**, and **Klay T. Kruczek**, Western Oregon University. This session invites papers describing curriculum materials, intended for publication and/or sharing with other institutions, designed specifically for the mathematical education of pre-service middle school teachers. These materials should be significantly different than standard pure mathematics materials that cover the same topics. Papers contributed to this session should describe the table of contents of the materials and how this syllabus was chosen and designed, the content and structure of the materials and give central examples, how the authors envision the materials should be used in the classroom and other pertinent pedagogical information, the placement of the materials in an effective program for pre-service middle school teachers (foundational, special topic, capstone, etc.), student support materials (if any), instructor support materials (if any), progress towards completion and dissemination of materials, and the focus on materials for a specific course.

Course materials designed for in-service middle school teachers may also be considered. This session is sponsored by the Committee on the Mathematical Education of Teachers (COMET).

Demos and Strategies with Technology that Enhance Teaching and Learning Mathematics, Monday morning and afternoon, organized by **David R. Hill**, Temple University; **Scott Greenleaf**, University of New England; **Mary L. Platt**, Salem State College; and **Lila F. Roberts**, Georgia College & State University. Mathematics instructors use an ever-expanding variety of instructional strategies to teach mathematical concepts. As new technologies emerge instructors employ them in interesting ways as a

means to boost creativity and flexibility in lesson design. Tools an instructor utilizes may include specialized computer applications, animations (possibly with audio), and other multimedia tools on standard delivery platforms or handheld devices. This contributed paper session will focus on novel demos, projects, or labs that mathematics instructors have successfully used in their classrooms that support conceptual understanding. Presenters are encouraged to illustrate their approach with the technology, if time and equipment allow, and to discuss how it is employed in the classroom. Proposals should describe how the presentation with technology fits into a course, the effect it has had on student attitudes toward mathematics, and include a summary of any assessment techniques employed.

Ethnomathematics and Its Uses in Teaching, Sunday morning, organized by **Dorothee J. Blum** and **Ximena P. Catepillan**, Millersville University; **Robert E. Jamison**, Clemson University; **Shemsi I. Alhaddad**, University of South Carolina; and **Amy Shell-Gellasch**, Pacific Lutheran University. This contributed paper session is sponsored by the SIGMAA on the History of Mathematics. We solicit talks that describe research in ethnomathematics or the mathematics and the mathematical sciences of non-western cultures, as well as talks that describe ways to use ethnomathematics in the classroom. Talks may present actual mathematical practices of other cultures or cultural endeavors such as art and architecture that reveal significant mathematical thinking. Presentations may be historical in nature or present current practices.

Great Activities for an Introductory Statistics Class, Sunday morning, organized by **Patricia B. Humphrey**, Georgia Southern University; **Christopher J. Lacke**, Rowan University; and **Ginger Holmes-Rowell**, Middle Tennessee State University. Learning activities can play an important role in teaching an Introductory Statistics Class. For example they can promote conceptual understanding, encourage active participation, and generate student interest. We invite submissions that provide details about learning activities that have proven successful in teaching introductory statistics courses. Activities described in this session could include hands-on data collection, simulations, and visual demonstrations that help exhibit important themes and concepts of statistics. Particularly, activities that can be used during the first few meetings of an introductory statistics course to attract the attention and interest of students and to help the students overcome misconceptions and stereotypes about the course would be valuable contributions to the session. Submissions of innovative and new activities that improve learning at any point in the course are also encouraged. The session is sponsored by the SIGMAA on Statistics Education. In order to be considered for this session applicants should submit a one page summary of the presentation to Pat Humphrey at phumphre@georgiasouthern.edu along with the abstract to AMS. Presenters in the session will be considered for the SIGMAA on Statistics Education's Best Contributed Presentation Award.

Guided Discovery in Mathematics Education, Tuesday afternoon, organized by **Jerome S. Epstein**, Polytechnic

University, and **Chris Rasmussen**, San Diego State University. There is strong research evidence in many fields, particularly mathematics and physics, that nonlecture based approaches to teaching are more effective in providing conceptual understanding of the subject. The NSF currently supports extensively new curricula, validation, and research in this area. Physics has extensive published research on the efficacy of such programs. Mathematics education has been much slower to embrace this movement, rightly or wrongly. This session presents papers on work in this area, emphasizing reports with serious evidence, positive or negative, going beyond anecdotal. Sharing information on development and evaluation of such programs can provide a strong spur to further progress. Contributed papers are solicited from programs that have developed serious evidence of the validity of their evaluations and the efficacy of their programs at all levels of mathematics. Mathematics clearly needs much more hard data available to judge the efficacy of such programs and to point the way to real improvements. This has dramatically been the case in physics. This session is sponsored by the SIGMAA on Research in Undergraduate Mathematics Education.

Innovative and Effective Ways to Teach Linear Algebra, Tuesday morning, organized by **David M. Strong**, Pepperdine University, and **Gilbert Strang**, Massachusetts Institute of Technology. Linear algebra is one of the most interesting and useful areas of mathematics, because of its beautiful and multifaceted theory, as well as the enormous importance it plays in understanding and solving many real world problems. Consequently, many valuable and creative ways to teach its rich theory and its many applications are continually being developed and refined. This session will serve as a forum in which to share and discuss new or improved teaching ideas and approaches. These innovative and effective ways to teach linear algebra include, but are not necessarily limited to hands-on, in-class demos; effective use of technology, such as Matlab, Maple, Mathematica, Java, Applets or Flash; interesting and enlightening connections between ideas that arise in linear algebra and ideas in other mathematical branches; interesting and compelling examples and problems involving particular ideas being taught; comparing and contrasting visual (geometric) and more abstract (algebraic) explanations of specific ideas; or other novel and useful approaches or pedagogical tools. Presenters should discuss their own experience in using their presented idea or approach in their own teaching.

Mathematics and the Arts, Monday afternoon, organized by **Douglas E. Norton**, Villanova University. This session invites presentations on connections between mathematics and the arts: from geometry in quatrains to group theory on quilts, from perspective in paintings to patterns and plane tilings, from composition to cartography, sewing to symmetries, tessellations to textual analysis, weaving fabrics to word fashioning, dance to decorative arts, theater and film to theorems on fractals, beadwork to baskets to batiks, architecture to applications of the arts in algebra. We invite explorations of old and new connections, from ancient Islamic tilings to contemporary folk

arts to manifolds and Klein bottles, as well as the use of new technologies to illustrate links between mathematics and the various arts. Mathematical concepts increasingly inform artistic presentation, while artistic presentation can often illuminate deep and interesting mathematics. New technologies often provide new tools for exploring these possibilities. Altogether, new approaches, new tools, and new looks at old examples provide new opportunities for working with and teaching mathematics, as well as providing modes of outreach to the general public about the often underappreciated place of mathematics in relation to the arts, culture, and society. This session is sponsored by the SIGMAA-ARTS.

Mathematics Experiences in Business, Industry, and Government, Tuesday morning, organized by **Philip Gustafson**, Mesa State College, and **Michael G. Monticino**, University of North Texas. This contributed paper session will provide a forum for mathematicians with experience in Business, Industry and Government (BIG) to present papers or discuss projects involving the application of mathematics to BIG problems. BIG mathematicians as well as faculty and students in academia who are interested in learning more about BIG practitioners, projects, and issues, will find this session of interest. This session is sponsored by the MAA Business, Industry and Government Special Interest Group (BIG SIGMAA).

Mathlets and Web Resources for Mathematics and Statistics Education, Wednesday morning, organized by **Thomas E. Leathrum**, Jacksonville State University; **Patricia B. Humphrey**, Georgia Southern University; **Christopher J. Lacke**, Rowan University; **David M. Strong**, Pepperdine University; and Joe Yanik, Emporia State University. This session seeks to provide a forum in which presenters may demonstrate mathlets, activities, and related materials they have created, further developed, and/or successfully used in mathematics or statistics classes. Mathlets are small computer-based (but ideally platform-independent) interactive tools for teaching math, frequently developed as World Wide Web materials such as scripts or Java applets, but there may be many other innovative variations. Mathlets allow students to experiment with and visualize a variety of concepts in mathematics and statistics, and they can be easily shared by instructors around the world. We invite submissions that detail the following about one or more items found on, or developed for, the World Wide Web: what it is, what resources are required (for students, instructors, or developers), how it can be used in a classroom, time involved (in and out of class), success or failure in terms of pedagogical intent, assessment methods and issues, and suggestions for improvement. Presenters should provide a Web address where the materials can be found. The session is jointly sponsored by the SIGMAA on Statistics Education and MAA CTIME (Committee on Technology in Math Education). Presentations related to statistics will be considered for the SIGMAA on Statistics Education's Best Contributed Presentation Award. Presenters who wish to be considered for the award should also send a one-page summary of their presentation to Patricia Humphrey, phumphre@georgiasouthern.edu, by the abstracts deadline.

Philosophy of Mathematics, Monday morning, organized by **Kevin M. Iga**, Pepperdine University, and **Bonnie Gold**, Monmouth University. This session, sponsored by the SIGMAA for the Philosophy of Mathematics, invites papers on any topic on the interaction between mathematics and philosophy excluding formal logic/set theory. Possible topics include the nature of mathematical objects, philosophical issues and controversies around the notion of mathematical proof and the development of mathematical knowledge, what characterizes mathematics as a discipline as distinct from other disciplines, the relation between mathematics and the physical world, the meaning of probability, the philosophical issues involving the interface between statistics and mathematics, the role of esthetics in the development of mathematics. The papers that stem from some specific problems are encouraged, and so are the ones cutting across disciplines.

The Power of Inductive and Recursive Thinking, Sunday afternoon, organized by **William A. Marion**, Valparaiso University. Mathematics has sometimes been defined as the study of patterns. If this description is not unreasonable, then it is incumbent upon us as mathematics faculty to help students think inductively: observe patterns and make conjectures about what they have observed. In addition, for some problems that fit the inductive model a more elegant solution can be expressed in the form of a recursive description. Beyond conjecturing, we must help students develop sound mathematical arguments that demonstrate the correctness of their conjectures. A variety of proof techniques are available, but one that has become ever more useful, especially in the discrete world, is the principle of mathematical induction. This session solicits papers highlighting innovative strategies to improve students' ability to think inductively and see the world recursively. Hands-on activities, paper and pencil exercises, and computer lab exercises are welcome. Creative examples that help students understand when and why induction works and/or that give them practice in how to correctly use the technique in its variety of forms—weak, strong, and structural—are encouraged. These examples should go beyond or expand upon those usually found in traditional textbooks.

Preparing Faculty for Success in a Problem-Solving and Technology-Rich Curriculum, Sunday morning, organized by **Alex J. Heidenberg**, **Gerald C. Kobylski**, **Barbra Melendez**, and **Rodney Sturdivant**, U.S. Military Academy. Preparing faculty to teach in a problem-solving and technology-rich environment is becoming increasingly difficult. At the department level we often spend time discussing new mathematical content with our faculty; however, most do not address pedagogical issues. Faculty might not often take time to reflect on teaching and learning. This session invites presentations about faculty development programs that focus on preparing faculty, experienced and inexperienced, adjunct faculty, and/or teaching assistants to teach in a problem solving curriculum that leverages the use of technology. Of particular value will be presentations which discuss and inspire teacher and student creativity, gauge teacher effectiveness, programs that integrate new faculty into the department, and programs that prepare

new faculty to teach mathematics. Each presentation should address the specific goals of their institutions' faculty development program and their techniques used to attain these goals.

Research and Professional Development Activities for Math Majors, Monday afternoon, organized by **Suzanne M. Lenhart**, University of Tennessee; **Mike O'Leary**, Towson University; and **Margaret M. Robinson**, Mount Holyoke College. This session will feature a variety of activities that enrich the education of math majors beyond the usual curriculum. Talks about internships and research experiences would be included. Activities which help to educate the students about the spectrum of the mathematics community are also appropriate. The session is sponsored by MAA CUPM Subcommittee on Research by Undergraduates.

Research on the Teaching and Learning of Undergraduate Mathematics, Wednesday afternoon, organized by **David E. Meel**, Bowling Green State University; **Michelle J. Zandieh**, Arizona State University; and **Chris Rasmussen**, San Diego State University. Research papers that address issues concerning the teaching and learning of undergraduate mathematics are invited. Appropriate for this session are theoretical or empirical investigations conducted within clearly defined theoretical frameworks using either qualitative or quantitative methodologies. Of highest priority are proposals that report on completed studies that further existing work in the field.

Serving Students Who Have Taken Calculus in High School, Sunday afternoon, organized by **Ann E. Watkins**, California State University, Northridge, and **Daniel J. Teague**, North Carolina School of Science and Mathematics. The number of students taking calculus in high school is growing rapidly. Over 250,000 students took an AP Calculus exam last year and an almost equal number of students took calculus in high school but did not take an AP exam. Further, students are taking calculus earlier in high school—last year over 50,000 students who were not yet seniors took an AP Calculus exam. Thus both high schools and colleges now are seeing large numbers of students who have completed calculus. The MAA-NCTM Committee on Mutual Concerns invites contributed papers that describe ways that these students are being served, after they finish calculus, by high schools and colleges. We seek presentations from college or high school instructors that describe advanced courses or other alternatives offered by high schools, explain modifications to freshman-level calculus courses, describe special courses for entering freshmen who have completed calculus in high school, or offer data on what happens to these students in high school or once they enter college. This session is sponsored by the MAA-NCTM Committee on Mutual Concerns.

Topics and Techniques for Real Analysis, Monday morning, organized by **Erik O. Talvila**, University College of the Fraser Valley; **Robert W. Vallin**, Slippery Rock University; and **James E. Peterson**, Benedictine College. Real analysis is a core subject in the mathematics program. We need to keep the course relevant and we need to ensure that students are actually learning something in their real analysis

courses. This session is about topics that we might like to add to real analysis courses and about how we can improve presentation of traditional and new topics.

Using Ideas from Asian Mathematics in the Classroom, Sunday afternoon, organized by **Victor J. Katz**, University of the District of Columbia, **Kim L. Plofker**, Brown University, and **Frank Swetz**, Pennsylvania State University, Harrisburg. Historically, there was much mathematics developed in China, India, and the Islamic World in the time period from the beginning of our era through the fifteenth century. Although some of these mathematical ideas were transmitted to Europe during that same time period, many other Asian mathematical accomplishments were not translated into any European language until the nineteenth or twentieth century. But today, much of the corpus of Indian, Chinese, and Islamic mathematics is available in English translation. And given the increasingly multicultural makeup of our student bodies, it is important that college teachers be familiar with these ideas so that they can use them in their teaching. They will then not only understand that mathematical thinking has been a part of every literate culture of which we are aware, but also be able to communicate to their students the worldwide nature of mathematics and how its history plays a vital role in its current use and future development. We therefore solicit contributions which display the use of topics from the mathematics of China, India, and Islam in the undergraduate classroom. This session is sponsored by the SIGMAA on the History of Mathematics.

Using Innovative Technologies to Implement Active Learning in Mathematics (and in other STEM disciplines), Wednesday morning, organized by **Marilyn A. Reba**, Clemson University, and **Beth Simon**, University of California San Diego. Innovative technologies—tablet PCs, wacom boards, smart-boards, symposiums, clickers, projectors, and classroom interaction software—are being used to implement active learning in mathematics and other STEM disciplines. These technologies support instructors, individual students, or teams of students in various ways. For example “digital ink” can be used to “hand write” solutions-avoiding equation editors and supporting in-class graph sketching. But the digital nature of this ink supports solutions that can be projected, discussed, annotated, and saved. Some systems support electronic, simultaneous participation by students, allowing instructors to gauge student understanding while maintaining the pace of the course. By integrating with electronic projection of lecture materials, instructors can project and discuss student work—sometimes anonymously. This session invites reports on creative uses of this technology in the classroom to support active learning—spanning various technologies, whether you use public-domain or commercial classroom interaction software or none at all, whether you move the equipment in and out of different classrooms or anchor it in one, and whether you teach in mathematics or another STEM discipline. Our goal is to demonstrate how these technologies can improve the teaching and learning of mathematics, for example, by assisting in the demonstration of difficult concepts, by providing new ways for students to participate (even

anonymously) in class, and by redefining active learning in both small and large enrolment courses.

General Session, Sunday, Monday, Tuesday, and Wednesday mornings and afternoons; organized by **Sarah L. Mabrouk**, Framingham State University. Papers may be presented on any mathematical topic. Papers that fit into one of the other sessions should be sent to that organizer, not to this session.

Submission Procedures for MAA Contributed Papers

Send your abstract directly to the meeting website (abstracts should not be sent to the organizer(s) who will automatically receive a copy). Please read the session descriptions thoroughly as some organizers require an additional summary of your proposal be sent to them directly. Participants may speak in at most two MAA contributed paper sessions. If your paper cannot be accommodated in the session for which it was submitted, it will be automatically considered for the general session. Speakers in the general session will be limited to one talk because of time constraints. Abstracts must be submitted by Thursday, **September 20, 2007**.

All accepted abstracts will be published in a book available at the meeting to all registered participants. Abstracts must be submitted electronically. While no knowledge of L^AT_EX is necessary for submission, L^AT_EX and $\mathcal{A}\mathcal{M}\mathcal{S}$ -L^AT_EX are the only typesetting systems that can be used if mathematics or any text markup (e.g., accent marks) is included. The abstracts submissions page is at <http://www.ams.org/cgi-bin/abstracts/abstract.pl>. Simply select the San Diego meeting, fill in the number of authors, and proceed with the step-by-step instructions. Submitters will be able to view their abstracts before final submission. Upon completion of your submission, your unique abstract number will immediately be sent to you. All questions concerning the submission of abstracts should be addressed to abs-coord@ams.org.

New York, New York

Courant Institute of New York University

March 15–16, 2008

Saturday – Sunday

Meeting #1036

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: January 2008

Program first available on AMS website: January 31, 2008

Program issue of electronic *Notices*: March 2008

Issue of *Abstracts*: Volume 29, Issue 2

Deadlines

For organizers: August 15, 2007

For consideration of contributed papers in Special Sessions: November 27, 2007

For abstracts: January 22, 2008

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

Special Sessions

L-Functions and Automorphic Forms (Code: SS 1A), **Alina Bucur**, Institute for Advanced Study, **Ashay Venkatesh**, Courant Institute of Mathematical Sciences, **Stephen D. Miller**, Rutgers University, and **Steven J. Miller**, Brown University.

Baton Rouge, Louisiana

Louisiana State University, Baton Rouge

March 28–30, 2008

Friday – Sunday

Meeting #1037

Southeastern Section

Associate secretary: Matthew Miller

Announcement issue of *Notices*: February 2008

Program first available on AMS website: February 14, 2008

Program issue of electronic *Notices*: March 2008

Issue of *Abstracts*: Volume 29, Issue 2

Deadlines

For organizers: August 28, 2007

For consideration of contributed papers in Special Sessions: December 11, 2007

For abstracts: February 5, 2008

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

Invited Addresses

Zhongwei Shen, University of Kentucky, *Title to be announced.*

Bloomington, Indiana

Indiana University

April 4–6, 2008

Friday – Sunday

Meeting #1038

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: February 2008

Program first available on AMS website: February 21, 2008

Program issue of electronic *Notices*: April 2008

Issue of *Abstracts*: Volume 29, Issue 3

Deadlines

For organizers: September 4, 2007

For consideration of contributed papers in Special Sessions: December 18, 2007

For abstracts: February 12, 2008

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

Invited Addresses

Shi Jin, University of Wisconsin, *Title to be announced.*

Michael J. Larsen, Indiana University, *Title to be announced.*

Mircea Mustata, University of Michigan, *Title to be announced.*

Margaret H. Wright, New York University-Courant Institute, *Title to be announced.*

Special Sessions

Birational Algebraic Geometry (Code: SS 3A), **Mircea I. Mustata**, University of Michigan, and **Mihnea Popa**, University of Chicago.

Combinatorial and Geometric Aspects of Commutative Algebra (Code: SS 1A), **Juan Migliore**, University of Notre Dame, and **Uwe Nagel**, University of Kentucky.

Hyperbolic and Kinetic Equations (Code: SS 2A), **Shi Jin**, University of Wisconsin, and **Marshall Slemrod**, University of Wisconsin.

Weak Dependence in Probability and Statistics (Code: SS 4A), **Richard C. Bradley** and **Lahn T. Tran**, Indiana University.

Claremont, California

Claremont McKenna College

May 3–4, 2008

Saturday – Sunday

Meeting #1039

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: March 2008

Program first available on AMS website: March 20, 2008

Program issue of electronic *Notices*: May 2008

Issue of *Abstracts*: Volume 29, Issue 3

Deadlines

For organizers: October 4, 2007

Zhi-Ming Ma, Chinese Academy of Sciences, *Title to be announced.*

Richard Schoen, Stanford University, *Title to be announced.*

Richard Taylor, Harvard University, *Title to be announced.*

Xiaoping Yuan, Fudan University, *Title to be announced.*

Weiping Zhang, Chern Institute, *Title to be announced.*

Washington, District of Columbia

Marriott Wardman Park Hotel and Omni Shoreham Hotel

January 7–10, 2009

Wednesday – Saturday

Joint Mathematics Meetings, including the 115th Annual Meeting of the AMS, 92nd 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: Lesley M. Sibner

Announcement issue of *Notices*: October 2008

Program first available on AMS website: November 1, 2008

Program issue of electronic *Notices*: January 2009

Issue of *Abstracts*: Volume 30, Issue 1

Deadlines

For organizers: April 1, 2008

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

For abstracts: To be announced

Urbana, Illinois

University of Illinois at Urbana-Champaign

March 27–29, 2009

Friday – Sunday

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: August 29, 2008

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

For abstracts: To be announced

Raleigh, North Carolina

North Carolina State University

April 4–5, 2009

Saturday – Sunday

Southeastern Section

Associate secretary: Matthew Miller

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: September 4, 2008

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

For abstracts: To be announced

San Francisco, California

San Francisco State University

April 25–26, 2009

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 25, 2008

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

For abstracts: To be announced

Waco, Texas

Baylor University

October 16–18, 2009

Friday – Sunday

Central Section

Associate secretary: Susan J. Friedlander

For consideration of contributed papers in Special Sessions: January 15, 2008
For abstracts: March 11, 2008

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

Invited Addresses

Michael Bennett, University of British Columbia, *Title to be announced.*

Chandrashekhar Khare, University of Utah, *Title to be announced.*

Huaxin Lin, University of Oregon, *Title to be announced.*

Anne Schilling, University of California Davis, *Title to be announced.*

Special Sessions

Diophantine Problems and Discrete Geometry (Code: SS 3A), **Matthias Beck**, San Francisco State University, and **Lenny Fukshansky**, Texas A&M University.

Dynamical Systems and Differential Equations (Code: SS 1A), **Adolfo Rumbos**, Pomona College, **Mario Martelli**, Claremont McKenna College, and **Alfonso Castro**, Harvey Mudd College.

Operators, Functions and Linear Spaces (Code: SS 2A), **Asuman G. Aksoy**, Claremont McKenna College, **Stephan R. Garcia**, Pomona College, **Michael Davlin O'Neill**, Claremont McKenna College, and **Winston C. Ou**, Scripps College.

Rio de Janeiro, Brazil

Instituto Nacional de Matemática Pura e Aplicada (IMPA)

June 4–7, 2008

Wednesday – Saturday

Meeting #1040

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

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: February 2008

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.

AMS Invited Addresses

Velimir Jurdjevic, University of Toronto, *Title to be announced.*

Richard M. Schoen, Stanford University, *Title to be announced.*

Amie Wilkinson, Northwestern University, *Title to be announced.*

Vancouver, Canada

University of British Columbia and the Pacific Institute of Mathematical Sciences (PIMS)

October 4–5, 2008

Saturday – Sunday

Meeting #1041

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: August 2008

Program first available on AMS website: August 21, 2008

Program issue of electronic *Notices*: October 2008

Issue of *Abstracts*: Volume 29, Issue 4

Deadlines

For organizers: March 9, 2008

For consideration of contributed papers in Special Sessions: June 17, 2008

For abstracts: August 12, 2008

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

Invited Addresses

Richard Kenyon, University of British Columbia, *Title to be announced.*

Alexander S. Kleshchev, University of Oregon, *Title to be announced.*

Mark Lewis, University of Alberta, *Title to be announced.*

Audrey A. Terras, University of California San Diego, *Title to be announced.*

Middletown, Connecticut

Wesleyan University

October 11–12, 2008

Saturday – Sunday

Meeting #1042

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: August 2008

Program first available on AMS website: August 28, 2008

Program issue of electronic *Notices*: October 2008

Issue of *Abstracts*: Volume 29, Issue 4

Deadlines

For organizers: March 11, 2008

For consideration of contributed papers in Special Sessions: June 24, 2008

For abstracts: August 19, 2008

Kalamazoo, Michigan

Western Michigan University

October 17–19, 2008

Friday – Sunday

Meeting #1043

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: August 2008

Program first available on AMS website: September 4, 2008

Program issue of electronic *Notices*: October 2008

Issue of *Abstracts*: Volume 29, Issue 4

Deadlines

For organizers: March 17, 2008

For consideration of contributed papers in Special Sessions: July 1, 2008

For abstracts: July 26, 2008

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

Invited Addresses

M. Carme Calderer, University of Minnesota, *Title to be announced.*

Alexandru Ionescu, University of Wisconsin, *Title to be announced.*

Mark Kisin, University of Chicago, *Title to be announced.*

David Nadler, Northwestern University, *Title to be announced.*

Huntsville, Alabama

University of Alabama, Huntsville

October 24–26, 2008

Friday – Sunday

Meeting #1044

Southeastern Section

Associate secretary: Matthew Miller

Announcement issue of *Notices*: August 2008

Program first available on AMS website: September 11, 2008

Program issue of electronic *Notices*: October 2008

Issue of *Abstracts*: Volume 29, Issue 4

Deadlines

For organizers: March 24, 2008

For consideration of contributed papers in Special Sessions: July 8, 2008

For abstracts: September 2, 2008

Invited Addresses

Mark Behrens, Massachusetts Institute of Technology, *Title to be announced.*

Shanghai, People's Republic of China

Fudan University

December 17–21, 2008

Wednesday – Sunday

Meeting #1045

First Joint International Meeting Between the AMS and the Shanghai Mathematical Society

Associate secretary: Susan J. Friedlander

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.

Invited Addresses

L. Craig Evans, University of California Berkeley, *Title to be announced.*

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 17, 2009
 For consideration of contributed papers in Special Sessions: To be announced
 For abstracts: To be announced

Boca Raton, Florida

Florida Atlantic University

October 30 – November 1, 2009

Friday – Sunday

Southeastern Section

Associate secretary: Matthew Miller

Announcement issue of *Notices*: To be announced
 Program first available on AMS website: To be announced
 Program issue of electronic *Notices*: To be announced
 Issue of *Abstracts*: To be announced

Deadlines

For organizers: March 30, 2009
 For consideration of contributed papers in Special Sessions: To be announced
 For abstracts: To be announced

Riverside, California

University of California

November 7–8, 2009

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

San Francisco, California

Moscone Center West and the San Francisco Marriott

January 6–9, 2010

Wednesday – Saturday

Joint Mathematics Meetings, including the 116th Annual Meeting of the AMS, 93rd 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 of Industrial and Applied Mathematics (SIAM).

Associate secretary: Matthew Miller

Announcement issue of *Notices*: October 2009

Program first available on AMS website: November 1, 2009

Program issue of electronic *Notices*: January 2010

Issue of *Abstracts*: Volume 31, Issue 1

Deadlines

For organizers: April 1, 2009
 For consideration of contributed papers in Special Sessions: To be announced
 For abstracts: To be announced

Lexington, Kentucky

University of Kentucky

March 27–28, 2010

Saturday – Sunday

Southeastern Section

Associate secretary: Matthew Miller

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: August 28, 2009
 For consideration of contributed papers in Special Sessions: To be announced
 For abstracts: To be announced

New Orleans, Louisiana

New Orleans Marriott and Sheraton New Orleans Hotel

January 5–8, 2011, Wednesday – Saturday

Joint Mathematics Meetings, including the 117th Annual Meeting of the AMS, 94th Annual Meeting of the Mathematical Association of America, annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association for Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: October 2010

Program first available on AMS website: November 1, 2010

Program issue of electronic *Notices*: January 2011

Issue of *Abstracts*: Volume 32, Issue 1

Deadlines

For organizers: April 1, 2010

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

For abstracts: To be announced

Boston, Massachusetts

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

January 4–7, 2012, Wednesday – Saturday

Joint Mathematics Meetings, including the 118th Annual Meeting of the AMS, 95th Annual Meeting of the Mathematical Association of America, annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association for Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: October 2011

Program first available on AMS website: November 1, 2011

Program issue of electronic *Notices*: January 2012

Issue of *Abstracts*: Volume 33, Issue 1

Deadlines

For organizers: April 1, 2011

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

For abstracts: To be announced

San Diego, California

San Diego Convention Center and San Diego Marriott Hotel and Marina

January 9–12, 2013, Wednesday – Saturday

Joint Mathematics Meetings, including the 119th Annual Meeting of the AMS, 96th Annual Meeting of the Mathematical Association of America, annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association for Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

Associate secretary: Lesley M. Sibner

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: April 1, 2012

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

For abstracts: To be announced

Baltimore, Maryland

Baltimore Convention Center

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*: 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: April 1, 2013

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

For abstracts: To be announced