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/`. Programs and abstracts will continue to be displayed on the AMS website in the Meetings and Conferences section until about three weeks after the meeting is over. Final programs for Sectional Meetings will be archived on the AMS website in an electronic issue of the *Notices* as noted below for each meeting.

Salt Lake City, Utah

University of Utah

October 7–8, 2006

Saturday – Sunday

Meeting #1019

Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of *Notices*: August 2006
Program first available on AMS website: August 24, 2006
Program issue of electronic *Notices*: October 2006
Issue of *Abstracts*: Volume 27, Issue 3

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: August 15, 2006

Invited Addresses

William Arveson, University of California Berkeley, *Title to be announced.*

Alexei Borodin, California Institute of Technology, *Title to be announced.*

Izabella Joanna Laba, University of British Columbia, *Title to be announced.*

Darren Long, University of California Santa Barbara, *Title to be announced.*

Special Sessions

Commutative Algebra (Code: SS 3A), **Paul Roberts**, **Anurag K. Singh**, and **Oana Veliche**, University of Utah.

Complex Geometry, Kaehler Groups, and Related Topics (Code: SS 9A), **Terrence Napier**, Lehigh University, **Mohan Ramachandran**, State University of New York at Buffalo, and **Domingo Toledo**, University of Utah.

Floer Methods in Low-dimensional Topology (Code: SS 8A), **Alexander Felshtyn** and **Uwe Kaiser**, Boise State University.

Harmonic Analysis: Trends and Perspectives (Code: SS 1A), **Alex Iosevich**, University of Missouri, and **Michael T. Lacey**, Georgia Institute of Technology.

Interface of Stochastic Partial Differential Equations and Gaussian Analysis (Code: SS 7A), **Davar Khoshnevisan**, University of Utah, and **Eulalia Nualart**, University of Paris XIII.

Low Dimensional Topology and Geometry (Code: SS 4A), **Mladen Bestvina** and **Kenneth W. Bromberg**, University of Utah.

Mathematics Motivated by Physics (Code: SS 5A), **Aaron J. Bertram**, **Yuan-Pin Lee**, and **Eric R. Sharpe**, University of Utah.

Multi-variable Operator Theory (Code: SS 13A), **William B. Arveson**, University of California Berkeley, **Scott A. McCullough**, University of Florida, and **Geoffrey L. Price**, US Naval Academy.

Noncommutative Dynamical Systems (Code: SS 12A), **William B. Arveson**, University of California Berkeley,

Scott A. McCullough, University of Florida, and **Geoffrey L. Price**, US Naval Academy.

Nonconvex Variational Problems: Recent Advances and Applications (Code: SS 10A), **Marian Bocea**, North Dakota State University and University of Utah, and **Andrej Cherkaev**, University of Utah.

Nonlinear Differential Equations: Methods and Applications (Code: SS 2A), **David G. Costa**, University of Nevada, and **Zhi-Qiang Wang**, Utah State University.

Number Theory (Code: SS 14A), **Jasbir Singh Chahal**, Brigham Young University, and **Machiel van Frankenhuijsen**, Utah Valley State College.

Random Motion in Random Media (Code: SS 11A), **Firas Rassoul-Agha**, University of Utah, and **Tom Schmitz**, Swiss Federal Institute of Technology (ETH), Zurich.

Theory and Applications of Infinite Dimensional Dynamical Systems (Code: SS 6A), **Peter W. Bates**, Michigan State University, and **Kening Lu**, Brigham Young University.

Accommodations

When making a reservation, participants should state that they are with the **American Mathematical Society (AMS) Meeting at the University of Utah group**. Rates quoted do not include tax of 12.46%. **Cancellation and early checkout policies vary; be sure to check when you make your reservation.** The AMS is not responsible for rate changes or for the quality of the accommodations.

Chase Suites, 765 East 400 South, Salt Lake City, 801-532-5511; for information email: `jclark@woodfinsuites.com`; US$74 single or double. **Deadline for reservations is September 6, 2006**. Be sure to check cancellation and early checkout policies.

Hilton, 255 South West Temple, Salt Lake City; 801-328-2000 or 877-776-4936 toll-free; US$103 single or double. **Deadline for reservations is September 22, 2006**. Be sure to check cancellation and early checkout policies.

University Guest House 110 South Fort Douglas Blvd., Salt Lake City; 801-587-1000 or 888-416-4075 toll-free; `info@guesthouse.utah.edu`; or `http://www.guesthouse.utah.edu`; US$72 single or double. **Deadline for reservations is September 22, 2006**. Be sure to check cancellation and early checkout policies.

Food Service

There are a number of restaurants adjacent to the campus. A list of restaurants will be available at the registration desk.

Local Information

Please visit the website maintained by the Department of Mathematics at `http://www.math.utah.edu`, the University of Utah website `http://www.utah.edu`, or Salt Lake Convention and Visitors Bureau site at `http://www.visitsaltlake.com`.

Other Activities

Book Sales: Examine the newest titles from the AMS! Many of the AMS books will be available at special discounts available only at the meeting. 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 restrictions are not enforced on weekends (except in the obvious do not park zones and special reserved spots) and participants can park in any of the posted lots free of charge. (See map at `http://www.map.utah.edu/`).

Registration and Meeting Information

The registration desk will be located in the Leroy Cowles Building, and will be open 8:00 a.m. to 4:30 p.m. on Saturday, and 8:00 a.m. to noon on Sunday. Talks will take place in the following buildings: Leroy Cowles Building (LCB), Alfred Emery Building (AEB), James Widtsoe Building (JWB), and the James Fletcher Building (JFB).

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: The Salt Lake City International Airport is served by most major airlines and is located ten minutes from downtown Salt Lake City. Taxi fare is approximately US$20–US$25.

Driving: From the Salt Lake City International Airport: Take I-80 East approximately 1.5 miles to the North Temple exit. Follow North Temple approximately 3 miles to State Street (one block beyond the Mormon Temple). Turn right on State Street and go south three blocks to 200 South. Turn left proceeding east on 200 South for approximately 2 miles until you reach University Street (1400 East).

From I-15 Northbound: Take the eastbound 600 South exit. At State Street turn left proceeding 4 blocks north until you reach 200 South. Turn right proceeding east on 200 South for approximately 2 miles until you reach University Street (1400 East).

From I-15 Southbound: Take the eastbound 600 South exit. At 300 West turn right proceeding approximately 1.5 miles south until you reach 200 South. Turn left proceeding east on 200 South for approximately 2 miles until you reach University Street (1400 East).

Once you get to University Street you will be facing "President's Circle". This is a one-way street that you enter on the south. Drive of the way around the circle to the Mathematics Complex.

Car rental: Special rates have been negotiated with **Avis Rent A Car** for the period September 30–October 15, 2006, and begin at US$24.99/day (weekend rate). All rates include unlimited free mileage; the weekend rates quoted are available from noon Thursday until Monday at 11:59 p.m. Rates do not include state or local surcharges, tax, optional coverages, or gas refueling charges. Renter must meet Avis'

age, driver, and credit requirements. Make reservations by calling 800-331-1600 or online at www.avis.com. Nonweekend and weekly rates are also available. Please quote **Avis Discount Number B159266** when making reservations

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 websites above for the most up-to-date information.

Weather

Temperatures vary from 70ºF to 50ºF in October. Fall is the favorite season of many who visit and live in Utah. Vibrant colors splash across the mountains and canyons as the cooler temperatures turn the leaves all shades of gold, purple, red, green, and brown. For up- to-date forecasts visit http://www.visitsaltlake.com.

Cincinnati, Ohio

University of Cincinnati

October 21–22, 2006

Saturday – Sunday

Meeting #1020

Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: August 2006
Program first available on AMS website: September 7, 2006
Program issue of electronic *Notices*: October 2006
Issue of *Abstracts*: Volume 27, Issue 3

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: August 29, 2006

Invited Addresses

Suncica Canic, University of Houston, *Title to be announced.*

Bryna R. Kra, Northwestern University, *Title to be announced.*

Ezra N. Miller, University of Minnesota, *Title to be announced.*

Jon G. Wolfson, Michigan State University, *Title to be announced.*

Special Sessions

Algebraic Coding Theory—Honoring the Retirement of Vera Pless (Code: SS 8A), **William Cary Huffman**, Loyola University, and **Jon-Lark Kim**, University of Louisville.

Analysis and Potential Theory on Metric Spaces (Code: SS 4A), **Thomas Bieske**, University of South Florida, and **Zair Ibragimov** and **Nageswari Shanmugalingam**, University of Cincinnati.

Applied Algebraic Geometry and Cryptography (Code: SS 3A), **Jintai Ding**, **Jason Eric Gower**, and **Timothy J. Hodges**, University of Cincinnati, **Lei Hu**, Chinese Academy of Sciences, and **Dieter S. Schmidt**, University of Cincinnati.

Birational Geometry (Code: SS 2A), **Mirel Constantin Caibar** and **Gary P. Kennedy**, Ohio State University.

Boundary Value Problems for Differential Equations with Applications (Code: SS 11A), **Xiaojie Hou**, **Philip L. Korman**, and **Bingyu Zhang**, University of Cincinnati.

Ergodic Theory (Code: SS 1A), **Nikos Frantzikinakis**, Pennsylvania State University, **Bryna R. Kra**, Northwestern University, and **Mate Wierdl**, University of Memphis.

Financial and Actuarial Mathematics (Code: SS 12A), **Srdjan D. Stojanovic** and **Ning Zhong**, University of Cincinnati.

Geometric Combinatorics (Code: SS 6A), **Ezra N. Miller**, University of Minnesota, and **Igor Pak**, Massachusetts Institute of Technology.

Limit Theorems of Probability Theory (Code: SS 9A), **Wlodzimierz Bryc** and **Magda Peligrad**, University of Cincinnati.

Mathematical Modeling of Biological Systems (Code: SS 15A), **Edward W. Swim**, Air Force Institute of Technology, and **Richard Schugart**, Ohio State University.

Nonlinear Functional Analysis and Applications (Code: SS 5A), **S. P. Singh** and **Bruce Watson**, Memorial University of Newfoundland.

Nonlinear Partial Differential and Its Applications (Code: SS 7A), **Changyou Wang**, University of Kentucky, and **Guan Bo**, Ohio State University.

Optimal Controls and Stochastic Differential Games (Code: SS 14A), **Michael J. McAsey** and **Libin Mou**, Bradley University.

Physical Knotting and Linking (Code: SS 13A), **Eric J. Rawdon**, University of St. Thomas, **Kenneth C. Millett**, University of California Santa Barbara, and **Jonathan Simon**, University of Iowa.

Recent Results on Operator Algebras (Code: SS 10A), **Herbert Halpern**, **Gary Weiss**, **Costel Peligrad**, **Shuang Zhang**, and **Victor G. Kaftal**, University of Cincinnati.

Accommodations

Participants should make their own arrangements directly with the hotel of their choice and state that they will be attending the AMS meeting and use **group code AMSAMSA**. The AMS is not responsible for rate changes or for the quality of the accommodations. Rates quoted do not include taxes of 17.5%. **Hotels have varying cancellation or early checkout penalties; be sure to ask for details when making your reservation.**

Kingsgate Marriott Conference Hotel (located on UC's Campus); 151 Goodman Drive, Cincinnati, Ohio 45219; 513-487-3800, Toll-Free: 888-720-1299, Fax: 513-487-3810; US$109/night, US$12/night parking (US$15/night for valet parking). For more information please visit `http://marriott.com/property/propertypage/CVGKG`. **Deadline for reservations is September 21, 2006.**

Vernon Manor Hotel 400 Oak Street, Cincinnati, OH 45219; email: `reservations@vernonmanorhotel.com`; Tel: 513-281-3300, Toll Free: 800-543-3999, Fax: 513-281-8933; US$99, complimentary parking in a secured lot (complimentary valet parking 7 a.m.–11:00 p.m.). The hotel is located a short distance from UC Campus and offers shuttle service to surrounding areas. For more information please visit `http://www.vernon-manor.com/index.html`. **Deadline for reservations is September 21, 2006.**

Food Service

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

Local Information

Please visit the websites maintained by the Department of Mathematical Sciences, `http://math.uc.edu/`; the University of Cincinnati, `http://www.uc.edu`; and for a campus map: `http://www.uc.edu/architect/documents/Logistics/logisticsbw.pdf`.

Other Activities

AMS Book Sale: Examine the newest titles from AMS! Complimentary coffee will be served, courtesy of AMS Membership Services. The AMS Book Sale will operate during the same hours as registration. The Book Sale is in Room 736, Old Chemistry Building on West Campus. This atrium is also known as the Max Kade German Cultural Center.

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 US$6 per day on Saturdays and Sundays. The Clifton Court Garage is the most convenient parking for the meeting. Please visit `http://www.uc.edu/parking/visit.htm` for more details on parking.

Registration and Meeting Information

The registration desk will be open 7:30 a.m. to 4:00 p.m. on Saturday, and 8:00 a.m. to noon on Sunday in Room 736, Old Chemistry Building on West Campus. This atrium is also known as the Max Kade German Cultural Center. Talks will take place in Swift and Braunstein Halls.

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.

Social Event

The Department of Mathematical Sciences will host a reception for all conference participants Saturday evening, October 21, 2006, from 6:30 p.m. to 8:30 p.m., at Mick & Mack's, located on the third level of TUC (Tangeman University Center).

Travel

By air: The Cincinnati/Northern Kentucky International Airport (CVG) is served by most major airlines and is located approximately 15 miles from the campus. For more information please visit `http://www.cvgairport.com`.

By Car: Most persons driving to the campus will come by way of one of the routes below. Should you be coming by a different route please check MapQuest.

From the north or south via I-75: From I-75, take the Hopple Street exit (exit 3). (If you are traveling north, Hopple Street exits from the left lane). Turn left off the exit on to Hopple Street. As you cross the first intersection (Central Parkway), Hopple Street becomes Martin Luther King Drive. Follow Martin Luther King Drive up the hill to Clifton

Avenue. **To West Campus**: ML King Drive borders the north edge of the West Campus. Clifton Avenue borders the west edge of the West Campus. **To East Campus (Medical Center)**: To get to the East Campus, follow King to Vine Street. Turn left onto Vine, then turn right at Goodman Avenue.

From the west via I-74: Take I-74 east to I-75 south. Take the Hopple Street exit (Exit 3). Turn left off the exit on to Hopple Street. As you cross the first intersection (Central Parkway), Hopple Street becomes Martin Luther King Drive. Follow Martin Luther King Drive up the hill to Clifton Avenue. **To West Campus**: ML King Drive King borders the north edge of West Campus. Clifton Avenue borders the west edge of West Campus. **To East Campus (Medical Center)**: To get to the East campus, follow King to Vine Street. Turn left onto Vine, then turn right at Goodman Avenue.

From the north via I-71 From I-71 south, take the Taft Road exit (exit 3). The exit places you on Taft Road, a one-way street heading west. Taft Road becomes Calhoun Street as you near campus. **To East Campus (Medical Center)**: Turn right on Jefferson Avenue. Follow Jefferson until it crosses Martin Luther King Drive. At MLK Drive, Jefferson Avenue becomes Vine Street. From Vine, turn right on Goodman Avenue. **To West Campus**; Stay on Calhoun until it ends at Clifton Avenue. Turn right on Clifton Avenue.

From the south via I-71: Take I-71 north until it merges with I-75 just south of Florence, Ky. Stay on I-75 after you cross the Ohio River. From the left lane on I-75, take the Hopple Street exit (Exit 3). Turn left off the exit on to Hopple Street. As you cross the first intersection (Central Parkway), Hopple Street becomes Martin Luther King Drive. Follow Martin Luther King Drive up the hill to Clifton Avenue. **To West Campus**: ML King Drive borders the north edge of the West Campus. Clifton Avenue borders the west edge of the West Campus. **To East Campus (Medical Center)**: To get to the East Campus, follow King to Vine Street. Turn left onto Vine, then turn right at Goodman Avenue.

From the east via US 50: From US 50 west, turn right on Taft Road. Taft is a one-way street heading west. Taft becomes Calhoun Street as you near campus. **To West Campus**: Stay on Calhoun until it ends at Clifton Avenue. Turn right on Clifton Avenue. **To East Campus (Medical Center)**: Turn right on Jefferson Avenue. Follow Jefferson until it crosses Martin Luther King Drive. At ML King Drive, Jefferson Avenue becomes Vine Street. From Vine, turn right on Goodman Avenue.

Car Rental: Avis is the official car rental company for the sectional meeting in Cincinnati, Ohio. All rates include unlimited free mileage. Weekend daily rates are available from noon Thursday–Monday at 11:59 p.m and start at US$24.99 per day. Rates for this meeting are effective October 14, 2006–October 29, 2006. 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

Weather in Greater Cincinnati is moderate with temperatures averaging 31ºF in winter, and 76ºF in summer. The annual average temperature is 54ºF; average annual rainfall is 40 inches—averaging 11.7 inches in the summer months. For current and future weather conditions in Cincinnati please visit `http://www.wunderground.com/US/OH/Cincinnati.html`.

Storrs, Connecticut

University of Connecticut

October 28–29, 2006

Saturday – Sunday

Meeting #1021

Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: August 2006
Program first available on AMS website: September 14, 2006
Program issue of electronic *Notices*: October 2006
Issue of *Abstracts*: Volume 27, Issue 4

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: September 6, 2006

Invited Addresses

Changfeng Gui, University of Connecticut, Storrs, *Title to be announced.*

Niranjan Ramachandran, University of Maryland, College Park, *Zeta!*

Kannan Soundararajan, University of Michigan, *Title to be announced.*

Katrin Wehrheim, Massachusetts Institute of Technology, *Floer theories in symplectic topology and gauge theory.*

Special Sessions

Algebraic Geometry and Moduli Spaces (Code: SS 12A), **Dan Abramovich**, Brown University, and **Ralph M. Kaufmann**, University of Connecticut, Storrs.

Algebraic and Analytic Combinatorics (Code: SS 11A), **Richard Ehrenborg** and **Margaret A. Readdy**, University of Kentucky and MIT.

Analysis and Probability on Fractals (Code: SS 3A), **Robert S. Strichartz**, Cornell University, and **Alexander Teplyaev**, University of Connecticut, Storrs.

Combinatorial Methods in Equivariant Topology (Code: SS 1A), **Tara Holm**, University of Connecticut, Storrs, and **Tom C. Braden**, University of Massachusetts, Amherst.

Computability Theory in Honor of Manuel Lerman's Retirement (Code: SS 4A), **Joseph S. Miller** and **David Reed Solomon**, University of Connecticut, Storrs.

Geometric Analysis (Code: SS 9A), **Jesse Ratzkin**, University of Connecticut, and **Rob Kusner**, University of Massachusetts.

Geometric Structures Related to Quantum Field Theory (Code: SS 14A), **Roman Fedorov** and **Ivan Mirkovic**, University of Massachusetts, Amherst.

Harmonic Analysis and Integral Geometry (Code: SS 7A), **William O. Bray**, University of Maine, and **Wolodymyr R. Madych**, University of Connecticut, Storrs.

Homotopy Theory of Compactified Moduli Spaces (Code: SS 15A), **Thomas J. Lada**, North Carrolina State University, and **Jim Stasheff**, University of North Carolina, Chapel Hill.

Nonlinear Elliptic and Parabolic Equations (Code: SS 5A), **Yung-Sze Choi**, **Changfeng Gui**, and **Joseph McKenna**, University of Connecticut, Storrs.

Nonlinear Geometric PDEs (Code: SS 10A), **Wenxiong Chen**, Yeshiva University, and **Zheng-Chao Han**, Rutgers University.

Number Theory (Code: SS 2A), **Keith Conrad**, University of Connecticut, Storrs, **David Pollack**, Wesleyan University, and **Thomas A. Weston**, University of Massachusetts, Amherst.

Teichmuller Theory and Hyperbolic Geometry (Code: SS 13A), **Martin Bridgeman**, Boston College, **Jeffrey F. Brock**, Brown University, **Linda Keen**, Lehman College, CUNY, and **Kasra Rafi**, University of Connecticut, Storrs.

Topology and Computing (Code: SS 6A), **Thomas J. Peters**, University of Connecticut, Storrs.

Undergraduate Mathematics Education (Code: SS 8A), **Tom Roby**, University of Connecticut, Storrs.

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. Rates quoted do not include the sales and tourist tax of 12%. 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) Meeting at the University of Connecticut**. **Cancellation and early checkout policies vary; be sure to check when you make your reservation.**

This is prime tourist season in New England and participants are encouraged to **book a hotel room early** as rooms may sell out.

The Nathan Hale Inn and Conference Center, 855 Bolton Road, Storrs, CT 06268; phone: 860-427-7888, fax: 860-427-7850; on the university campus; US$99/single/double. Amenities include a full service restaurant and lounge on the premises, Internet access, fitness center, indoor heated pool and spa. The parking fee for the AMS Sectional meeting has been reduced to US$5. **Deadline for reservations is September 27, 2006**. There are a number of restaurants within walking distance. Be sure to check cancellation and early checkout policies.

The Best Western Regent Inn, 123 Storrs Road (Route 195) Mansfield Center, Connecticut 06250; phone: 860-423-8451, fax: 860-423-8451; approximately six (6) miles from the university campus; US$86.80/single/double. Complimentary continental breakfast, high speed Internet access, indoor pool, exercise facility, and free parking. **Deadline for reservations is September 27, 2006**. There are a number of restaurants within walking distance: McDonald's, Applebee's restaurant, Angelino's Italian restaurant. Be sure to check cancellation and early checkout policies.

For other accommodations check out the UConn visitor site: `http://visitors.uconn.edu/accommos.htm`.

Food Service

There is a food court in the Student Union which is located about one hundred meters from the meeting areas. It is suitable for lunch, but groups of people should make reservations at area restaurants for Friday and Saturday nights. Those are normally the most crowded nights of the week, especially at this time of the year.

There are a number of restaurants within walking distance of campus. See `http://visitors.uconn.edu/dining.htm`.

Local Information

The university's website is `http://www.uconn.edu/`; the Department of Mathematics is at `http://www.math.uconn.edu/contact/contact.php`. A general website about visiting Storrs and the University of Connecticut area is `http://visitors.uconn.edu/visiting.htm`.

Also see the link maintained by the local organizers at: `http://www.math.uconn.edu/AMSmeeting`, featuring links to lists of restaurants, transportation, etc.

Other Activities

Book Sale: Examine the newest titles from the AMS! Many of the AMS books will be available at a special 50% discount available only at the meeting. 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

Unless otherwise indicated, parking in university lots is free and unrestricted starting in the late afternoon on Friday, overnight, and on weekends. There is a modest-cost parking structure across the street from the Business School. There is a US$5 parking fee for those staying at the Nathan Hale Inn when they use the Inn's lot.

Registration and Meeting Information

The meeting is on the campus of the University of Connecticut, Storrs. Meeting registration and the Invited Addresses will take place in the Information Technologies Engineering (ITE) Building. Sessions will be held in the Business (BUSN) School building. See the map at `http://visitors.uconn.edu/mapsdirs.htm`.

The registration desk will be in the foyer of the ITE building and will be open Saturday, October 28, 7:30 a.m. to 4:00 p.m., and Sunday, October 29, 8:00 a.m. to noon. Fees are US$40 for AMS or CMS members, US$60 for nonmembers; and US$5 for students, unemployed mathematicians, and emeritus members. Fees are payable on site by cash, check, or credit card.

Social Event

The University of Connecticut, Storrs, Mathematics Department will host a reception for participants. It will be held at the Nathan Hale Inn on Saturday from 5:30 p.m. to 7 p.m. Appetizers will be served and there will be a cash bar. The AMS thanks the university and the Department of Mathematics for its generous hospitality.

Travel and Campus Map

The University of Connecticut, Storrs Campus, is located 40 minutes from Hartford in tranquil Northeastern Connecticut.

Getting to the University by Car: Driving directions and campus maps can be found at the following link `http://visitors.uconn.edu/mapsdirs.htm`.

The UConn visitor center page (`http://visitors.uconn.edu/`) contains many useful links including maps, directions, accommodations, (mostly fast food) restaurants, etc. The accommodations list includes some reasonably priced hotels in Vernon, CT, about twenty minutes from the campus. There are downloadable maps of the campus and parking, along with driving directions to the campus at `http://www.uconn.edu/campuses/storrs.php`.

There is bus service, provided by Bonanza, from Boston, Providence, and Hartford. Public transportation between the airport and the campus is either by taxi or a bus to Hartford and then another to Storrs. The bus stops at the Student Union (see `http://www.bonanzabus.com` or the links from the above-mentioned departmental information site).

The nearest airport is Bradley (BDL) serving the Hartford-Springfield area. It is about 30 miles away. From Bradley International Airport, Windsor Locks, CT, to the University of Connecticut, Storrs, the estimated driving time is an hour or less. The airport's home page is located at: `http://www.bradleyairport.com/home/home.php`. At the time that this is published, the one-way taxi fare from Bradley Airport is US$72 to anywhere in Storrs.

The official airline for the meeting is Delta Airlines. Take advantage of Delta's new SimpliFares™ and enjoy the following benefits:

- No Saturday-night stay required—more flexibility
- Always affordable—Realize up to 50% savings on everyday fares in the contiguous 48 states
- Lower change fees—reduced from US$100 to US$50 to change travel plans
- Just eight fares—less guessing and easier planning

To make immediate reservations call Delta Air Lines at 1-800-221-1212. Be sure to reference **US738367060** or visit `http://www.delta.com` and enter SkyBonus account number **US738367060** in your passenger information screen to be recognized as a participant. Your benefits include:

- No service fees
- 1,000 sky miles for Delta members
- Skip the airport lines; check in online

Car Rental: Avis is the official car rental company for the sectional meeting in Storrs, Connecticut. All rates include unlimited free mileage. Weekend daily rates are available from noon Thursday–Monday at 11:59 p.m. and start at US$35.99 per day. Rates for this meeting are effective October 21, 2006–November 5, 2006. 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 **B159265**.

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 websites above for the most up-to-date information.

Weather

In this region of Connecticut, the averages for the month of October are a high of 64ºF and a low of 41ºF. 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 Storrs, CT, just before coming to the meeting.

Fayetteville, Arkansas

University of Arkansas

November 3–4, 2006

Friday – Saturday

Meeting #1022

Southeastern Section
Associate secretary: Matthew Miller
Announcement issue of *Notices*: September 2006
Program first available on AMS website: September 21, 2006
Program issue of electronic *Notices*: November 2006
Issue of *Abstracts*: Volume 27, Issue 4

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: July 18, 2006
For abstracts: September 12, 2006

Invited Addresses

R. P. Anstee, UBC, Vancouver, Canada, *Forbidden configurations, a survey*.

Arun Ram, University of Wisconsin, *Space walks: Combinatorics, representations, spherical functions, and p-compact groups*.

Donald G. Saari, University of California Irvine, *Mathematics of voting*.

Andras Vasy, Massachusetts Institute of Technology, *Scattering theory on symmetric spaces and N-body scattering*.

Special Sessions

Algebraic Combinatorics (Code: SS 6A), **Marcelo Aguiar**, University of Texas A&M, and **Claudia Malvenuto**, University of Rome "La Sapienza".

Analytic Number Theory and Modular Forms (Code: SS 2A), **Matthew Boylan** and **Gang Yu**, University of South Carolina.

Boundary Operators in Real and Complex Domains (Code: SS 3A), **Loredana Lanzani**, University of Arkansas, Fayetteville, and **David E. Barrett**, University of Michigan, Ann Arbor.

Combinatorial Representation Theory (Code: SS 5A), **Arun Ram**, University of Wisconsin-Madison, and **Frank Sottile**, University of Texas A&M.

Dirac Operators in Analysis and Geometry (Code: SS 1A), **John Ryan**, University of Arkansas, **Marius Mitrea**, University of Missouri, and **Mircea Martin**, Baker University.

Evolution Equations in Physics and Mechanics (Code: SS 4A), **John P. Albert**, University of Oklahoma, **Jerry L. Bona**, University of Illinois at Chicago, and **Jiahong Wu**, Oklahoma State University.

Extremal and Probabilistic Combinatorics (Code: SS 9A), **Jerrold R. Griggs**, University of South Carolina, and **Peter Keevash**, California Institute of Technology.

Progress on Problems in Mathematical Fluid Dynamics (Code: SS 8A), **Ning Ju** and **Jiahong Wu**, Oklahoma State University.

Scattering Theory and Wave Propagation (Code: SS 7A), **Tanya J. Christiansen**, University of Missouri, Columbia, and **Andras Vasy**, Stanford University.

Subelliptic PDEs and Sub-Reimannian Geometry (Code: SS 10A), **Luca Capogna**, University of Arkansas, **Scott Pauls**, Dartmouth College, and **Jeremy T. Tyson**, University of Illinois, Urbana-Champaign.

New Orleans, Louisiana

New Orleans Marriott and Sheraton New Orleans Hotel

January 5–8, 2007

Friday – Monday

Meeting #1023

Joint Mathematics Meetings, including the 113th Annual Meeting of the AMS, 90th 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: Susan J. Friedlander
Announcement issue of *Notices*: October 2006
Program first available on AMS website: November 1, 2006
Program issue of electronic *Notices*: January 2007
Issue of *Abstracts*: Volume 28, Issue 1

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: August 1, 2006
For abstracts: September 26, 2006

Joint Invited Addresses

Bryna R. Kra, Northwestern University, *Title to be announced* (AMS-MAA Invited Address).

AMS Invited Addresses

Peter D. Lax, New York University-Courant Institute, *Title to be announced* (AMS Josiah Willard Gibbs Lecture).

Andrei Okounkov, Princeton University, *Title to be announced* (AMS Colloquium Lectures).

Bjorn Poonen, University of California Berkeley, *Title to be announced*.

Victor S. Reiner, University of Minnesota, Minneapolis, *Title to be announced*.

Andras Vasy, Stanford University, *Title to be announced*.

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

AMS Special Sessions

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

Arithmetic Geometry (Code: SS 38A), **Matthew H. Baker**, Georgia Institute of Technology, and **Bjorn Poonen**, University of California Berkeley.

Arithmetic of Function Fields (Code: SS 33A), **Allison M. Pacelli**, Williams College, and **Michael J. Rosen**, Brown University.

Arrangements and Related Topics (Code: SS 1A), **Daniel C. Cohen**, Louisiana State University, and **Anne V. Shepler**, University of North Texas.

Calculus of Variations and Nonlinear PDEs: Theory and Applications (Code: SS 2A), **Marian Bocea** and **Cristina M. Popovici**, North Dakota State University.

Coding Theory and Its Applications (Code: SS 3A), **Roxana N. Smarandache**, University of Notre Dame and San Diego State University, and **Pascal O. Vontobel**, Massachusetts Institute of Technology.

Cohomology and Representation Theory (Code: SS 4A), **Jon F. Carlson** and **Daniel K. Nakano**, University of Georgia, and **Julia Pevtsova**, University of Washington.

Commutative Algebra and Algebraic Geometry (Code: SS 5A), **Paul C. Roberts**, **Anurag K. Singh**, and **Oana Veliche**, University of Utah.

Continuous and Discrete Integrable Systems and Their Applications (Code: SS 6A), **Wen-Xiu Ma**, University of South Florida, **Taixi Xu**, Southern Polytechnic State University, and **Bao-Feng Feng** and **Zhijun Qiao**, University of Texas-Pan American.

Dynamic Programming (Code: SS 7A), **Gerald C. Kobylski** and **Randal Hickman**, United States Military Academy.

Experimental Mathematics in Action (Code: SS 8A), **Victor H. Moll** and **Tewodros Amdeberhan**, Tulane University.

Financial Mathematics (Code: SS 9A), **Jean-Pierre Fouque**, University of California Santa Barbara, **Craig A. Nolder**, Florida State University, **Knut Solna**, University of California Irvine, and **Thaleia Zariphopoulou**, University of Texas Austin.

Fixed Point Theory, Dynamics, and Group Theory (Code: SS 10A), **Michael R. Kelly**, Loyola University, and **Peter N. Wong**, Bates College.

Frames and Wavelets in Harmonic Analysis, Geometry, and Applications (Code: SS 11A), **Palle E. T. Jorgensen**, University of Iowa, **David R. Larson**, Texas A&M University, **Peter R. Massopust**, Institute of Biomathematics and Biometry, Neuherberg, and Technical University of Munich, and **Gestur Olafsson**, Louisiana State University.

Free Discontinuity Problems: From Image Processing to Materials Science (Code: SS 12A), **Blaise Bourdin**, Louisiana State University, and **Christopher J. Larsen**, Worcester Polytechnic Institute.

Geometric Group Theory (Code: SS 13A), **Ruth M. Charney**, Brandeis University, and **Karen Vogtmann**, Cornell University (AMS-AWM).

Group Representations, Ergodic Theory, and Mathematical Physics: Honoring the Memory of George W. Mackey (Code: SS 14A), **Robert S. Doran**, Texas Christian University, **Calvin C. Moore**, University of California Berkeley, and **Robert J. Zimmer**, The University of Chicago.

History of Mathematics (Code: SS 15A), **Joseph W. Dauben**, Lehman College, **Patti Hunter**, Westmont College, **Victor J. Katz**, University of the District of Columbia, and **Karen H. Parshall**, University of Virginia (AMS-MAA).

Infinite Dimensional Analysis Honoring H.-H. Kuo (Code: SS 16A), **Ambar N. Sengupta** and **P. Sundar**, Louisiana State University.

Initial- and Boundary-Value Problems, Solvability, and Stability for Some Nonlinear PDEs: Theorem, Computation, and Application (Code: SS 17A), **Jerry L. Bona**, University of Illinois at Chicago, and **Laihan Luo**, Stockton College of New Jersey.

Invariant Theory (Code: SS 18A), **Mara D. Neusel**, Texas Tech University, and **Frank D. Grosshans**, West Chester University.

Knots, 3-manifolds, and Their Invariants (Code: SS 19A), **Oliver T. Dasbach**, Louisiana State University, and **Xiao-Song Lin**, University of California Riverside.

Logical Methods in Computational Mathematics (Code: SS 20A), **Saugata Basu**, Georgia Institute of Technology, and **Charles N. Delzell**, Louisiana State University (AMS-ASL).

Mapping Class Groups and Handlebodies (Code: SS 21A), **Tara E. Brendle**, Louisiana State University, and **William R. Vautaw**, Southeastern Louisiana University.

Math Circles and Similar Programs for Students and Teachers (Code: SS 22A), **Morris Kalka**, Tulane University, **Hugo Rossi**, Mathematical Sciences Research Institute, **Tatiana Shubin**, San Jose State University, **Zvezdelina E. Stankova**, Mills College, **Daniel H. Ullman**, George Washington University, and **Paul A. Zeitz**, University of San Francisco.

Mathematical Techniques in Musical Analysis (Code: SS 23A), **Robert W. Peck**, Louisiana State University, **Julian Hook**, Indiana University-Bloomington, and **Rachel W. Hall**, Saint Joseph's University.

Mathematics and Education Reform (Code: SS 37A), **William H. Barker**, Bowdoin College, **Dale R. Oliver**, Humboldt State University, **Bonnie S. Saunders**, University of Illinois at Chicago, and **Michael Starbird**, University of Texas, Austin (AMS-MAA-MER).

Microlocal Analysis and Singular Spaces (Code: SS 36A), **Paul A. Loya**, Binghamton University, and **Andras Vasy**, Massachusetts Institute of Technology.

Nonlinear Variational Inclusion Problems and Optimization Theory (Code: SS 24A), **Ram U. Verma**, University of Toledo, and International Publications.

Nonsmooth Analysis in Inverse and Variational Problems (Code: SS 25A), **M. Zuhair Nashed**, University of Central Florida, and **Otmar Scherzer**, University of Innsbruck.

Numerical Relativity (Code: SS 26A), **Alexander M. Alekseenko**, California State University Northridge, and **Arup Mukherjee**, Montclair State University.

Radon Transforms, Convex Geometry, and Geometric Analysis (Code: SS 27A), **Eric L. Grinberg**, University of New Hampshire, **Peter Kuchment**, Texas A&M University, **Gestur Olafsson**, Louisiana State University, **Eric Todd Quinto**, Tufts University, and **Boris S. Rubin**, Louisiana State University.

Recent Advances in Mathematical Biology, Ecology, and Epidemiology (Code: SS 28A), **Lih-Ing Roeger** and **Linda J. Allen**, Texas Tech University, and **Sophia Jang**, University of Louisiana at Lafayette.

Recent Developments in Analysis and Numerics of Geophysical Fluid Dynamics Problems (Code: SS 29A), **Jie Shen**, Purdue University, and **Shouhong Wang**, Indiana University.

Recent Developments in Floer Homology (Code: SS 30A), **Scott J. Baldridge**, Louisiana State University, **Ronald A. Fintushel**, Michigan State University, **Thomas E. Mark**, Southeastern Louisiana University, and **Brendan E. Owens**, Louisiana State University.

Representation Theory and the Theta Correspondence (Code: SS 31A), **Wee Teck Gan**, University of California San Diego, **Hongyu He**, Louisiana State University, and **Annegret Paul**, Western Michigan University.

Structure Theory for Matroids and Graphs (Code: SS 32A), **Joseph P. Kung**, University of North Texas, and **Bogdan S. Oporowski** and **James G. Oxley**, Louisiana State University.

Time Scales: Dynamic Equations with Applications (Code: SS 34A), **Martin J. Bohner**, University of Missouri-Rolla, and **Allan C. Peterson**, University of Nebraska-Lincoln.

Universal Algebra and Order (Code: SS 35A), **John W. Snow**, Sam Houston State University, and **Japheth Wood**, Chatham College.

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 an overhead projector and screen; blackboards will not be available. Speakers needing additional audiovisual equipment should contact, as soon as possible, but prior to October 1, 2006, the session organizer whose name is followed by an asterisk (*). Organizers have been advised that the majority of speakers in a session must require the use of additional audiovisual equipment in order to justify the expenditure. Please note that the days and times scheduled for these sessions remain tentative.

Applications of Discrete Mathematics (MAA CP D1), Monday morning; **Thomas Koshy*** (tkoshy@frc.mass.edu), Framingham State College, and **Thomas Moore**, Bridgewater State College. The advent of modern digital computers has increased the need for a better understanding of discrete mathematics. The tools and techniques of discrete mathematics enable us to appreciate the power and beauty of mathematics in designing problem-solving strategies in everyday life, especially in computer science, and to communicate with ease in the language of discrete mathematics. Discrete mathematics has a wealth of intriguing applications to a variety of areas, including abstract algebra, casino games, coding theory, computer science, cryptography, decision theory, electronics, genetics, graph theory, organic chemistry, management science, number theory, sports, and the theory of scheduling, to name a few. They are well within reach of undergraduate and graduate students, as well as advanced high school students. They are a powerful way to manifest both the power and the beauty of discrete mathematics, and to provide new opportunities for experimentation and exploration, and for advancing the frontiers of mathematical knowledge. Accordingly, this session focuses on the rich and fascinating applications of discrete mathematics to numerous fields of human endeavor.

Assessment of Student Learning in Undergraduate Mathematics (MAA CP D5), Monday morning; **William Martin*** (william.martin@ndsu.edu), North Dakota State University, and **Bernard L. Madison**, University of Arkansas. Project SAUM (Supporting Assessment in Undergraduate Mathematics) has organized four workshop series for teams of faculty from a wide variety of mathematics departments across the country since 2002. This session invites contributed papers that (a) describe assessment pro-

jects in undergraduate mathematics programs, (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 and are not restricted to the participants of Project SAUM workshops.

Building Diversity in Advanced Mathematics: Models that Work (MAA CP E1), Sunday morning; **Patricia Hale*** (phale@csupomona.edu), California State Polytechnic University, Pomona, and **Abbe H. Herzig**, University at Albany, SUNY. 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 post-doctoral (faculty), graduate, undergraduate or pre-college 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.

Chaos and Fractals (MAA CP E5), Friday afternoon; **Denny Gulick*** (dng@math.umd.edu), University of Maryland, and **Jon W. Scott**, Montgomery College. Chaotic dynamics and fractal geometry have gained prominence in mathematics and applications. Because of the varied nature both of the mathematical insights and the applications, the goal of this special session is to make such results available to a larger mathematical audience. We invite papers on topics related to either chaotic dynamics or fractal geometry. The papers need to have an expository flavor.

College Algebra: Concepts, Data, and Models (MAA CP F1), Monday morning; **Florence S. Gordon*** (fgordon@nyit.edu), New York Institute of Technology, **Mary Robinson**, University of New Mexico Valencia Campus, **Norma Agras**, Miami Dade Community College, and **Laurette Foster**, Prairie View A&M University. The MAA under the leadership of 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 tests, introduction of alternative tracks for different groups of students, transferability problems, 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.

Communication Theory in Undergraduate Courses (MAA CP F5), Saturday afternoon; **Tim McDevitt*** (McDevittT@etown.edu), Elizabethtown College. Effective communication is a cornerstone of our modern society, and mathematics is fundamentally important for rapid, economical, error-free, and private communication. Mathematical communication theory is a very broad and deep subject that involves mathematics at all levels of difficulty, and this session invites papers describing effective ways of enhancing existing courses (like calculus, linear algebra, differential equations, number theory, or abstract algebra) with topics from communication theory at an appropriate level. Areas of interest include, but are not limited to, image, sound, or data compression, signal processing, error correcting codes, cryptology, and Fourier or wavelet analysis.

Content Courses for the Mathematical Education of Middle School Teachers (MAA CP G1), Friday morning; **Laurie Burton*** (burtonl@wou.edu), **Maria G. Fung**, and **Klay Kruczek**, Western Oregon University. In 2001 the CBMS MET document proposed a series of recommendations for the mathematics curriculum and instruction of prospective middle school teachers. This session invites papers describing how institutions are designing courses toward meeting these goals for the mathematical education of preservice middle school teachers. Papers should describe the content and structure of the courses at your institution that are specifically designed and offered for preservice middle school teachers. Additionally these papers should describe how the courses fit into your institutional program and should describe how the courses address the MET recommendations. We also ask that papers describe course prerequisites, teaching strategies and pedagogical approaches. Presenters are encouraged to share sample activities and/or course syllabi and to share curriculum sources and resources. Courses offered for future elementary teachers covering content beyond the Mathematics for Elementary Teachers foundational series will also be considered. This session is sponsored by COMET (Committee on the Mathematical Education of Teachers).

Countering "I Can't Do Math": Strategies For Teaching Under-Prepared, Math-Anxious Students (MAA CP G5), Sunday afternoon; **Winston Crawley*** (jwcraw@ship.edu) and **Kim Presser**, Shippensburg University. How can we create a comfortable learning environment for under-prepared or math-anxious students and, in particular, how can we constructively assess student learning? What classroom practices are especially effective with such students and how does research on student learning inform those practices? How might the recommendations of the 2004 CUPM Curriculum Guide influence our approach in teaching developmental or introductory courses to better reach these students? This session invites papers on all aspects of "what

works" in teaching under-prepared, math-anxious students.

Entertaining with Math (MAA CP H1), Friday afternoon; **Timothy P. Chartier*** (tichartier@davidson.edu), Davidson College. Performing arts such as juggling, music, dance, magic, and drama can enrich the classroom. Beyond entertaining students, such demonstrations can offer new and novel perspectives on mathematical content and engage a class in a fun, educational, and interactive activity. This session seeks to provide a forum in which presenters may demonstrate and discuss creative ways of teaching and presenting mathematics using techniques generally associated with entertainment and the performing arts. Proposals should clearly delineate the mathematical subject that will be covered. When a short performance or portion of a performance is included, a presenter should also incorporate a clear discussion of how a presenter's methods can be adapted for general classroom use. Descriptions of classroom activities that are suitable for use by teachers and professors without a performance background are also strongly encouraged.

Euler in the Classroom (MAA CP H5), Friday morning; **Robert E. Bradley*** (bradley@adelphi.edu), Adelphi University, and **Amy Shell-Gellasch**, Grafenwoer, Germany. This session solicits talks that describe ways to incorporate the mathematics of Leonard Euler into the classroom. We are looking for papers that describe ways to use his mathematics, science, or the history of his life and times in the secondary and undergraduate mathematics curriculum. This session is sponsored by the History of Mathematics Special Interest Group of the MAA (HOMSIGMAA).

Getting Students to Discuss and to Write about Mathematics (MAA CP I1), Saturday morning and afternoon; **Martha Ellen (Murphy) Waggoner*** (waggoner@simpson.edu), Simpson College, **Charlotte Knotts-Zides**, Wofford College, and **Harrison W. Straley**, Wheaton College. This session invites papers about assignments and projects that require students to communicate mathematics through oral presentations, classroom discussions, and writing. These assignments/projects can come from any area of mathematics including courses for mathematics or related majors, mathematics service courses, or mathematics education courses. Each presenter is encouraged to discuss how the use of the assignment/project helped students to improve their understanding of mathematics, their communication of mathematics, and their attitude toward mathematics. Of particular interest are innovative implementations of such assignments/projects including peer review of student writing or presentations, using mathematical writing or presentations as part of service learning, rubrics for assessing student writing and presentations, using student writing or oral presentations as part of program assessment, and programs to help students improve written and oral communication of mathematics.

How to Start and Develop Undergraduate Level Financial Mathematics Programs (MAA CP I5), Sunday morning; **Youngna Choi*** (choiy@mail.montclair.edu), Montclair State University. The proliferation of complex financial products over the last two decades has increased the demand for quantitative skills needed in the financial industry, and this ushered in a "new mathematics" that is now known as financial mathematics. Leading research institutions have developed graduate level programs in this area, and as a result of the increasing demand and the practicality of the subject, undergraduate institutions have started offering programs in financial mathematics at various levels, from a single course to a major concentration track. Nationwide website searches in 2005 revealed that over sixty institutions are offering formal undergraduate majors in financial mathematics. These programs have been established in three ways: as a subsidiary of existing graduate programs, as an extension of existing actuarial programs, and as an independent program on its own.

Innovative and Effective Ways to Teach Linear Algebra (MAA CP J1), Saturday morning; **David Strong*** (David.Strong@pepperdine.edu), 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: (1) hands-on, in-class demos; (2) effective use of technology, such as Matlab, Maple, Mathematica, Java Applets or Flash; (3) interesting and enlightening connections between ideas that arise in linear algebra and ideas in other mathematical branches; (4) interesting and compelling examples and problems involving particular ideas being taught; (5) comparing and contrasting visual (geometric) and more abstract (algebraic) explanations of specific ideas; (6) 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. The purpose of this session is to share the experience of establishing undergraduate level financial mathematics programs and to discuss further outreach, such as a partnership between academia and the financial industry. Of principal interest are presentations that discuss establishing financial mathematics programs as a major concentration track and reports on the outcomes. Also welcome are papers that describe plans and objectives of starting new ones.

Innovative Examples of Using Graphs in Statistics (MAA CP J5), Sunday afternoon; **Christopher J. Lacke*** (lacke@rowan.edu), Rowan University, and **Ginger Holmes Rowell**, Middle Tennessee State University. The Guidelines for Assessment and Instruction in Statistics Education (GAISE) College Report state that a statistically educated student should understand "how to graph the data as a first step in analyzing data, and how to know when that's enough to answer the question of interest" and "how to interpret…graphical displays of data—both to answer questions and to check conditions (in order to use statistical procedures correctly)." Unfortunately most introductory ap-

plied statistics courses introduce graphical displays in the first two weeks of a semester and rarely return to these important tools later on. With the ease in creating such displays with today's technology, this should not be the case. This session looks for innovative examples of using graphical displays for exploratory data analysis and checking assumptions of traditional inference. It also seeks creative examples of graphical inference. Furthermore, it desires examples of developing and critiquing graphical displays for presentation. In order to be considered for this session, applicants should submit a one-page summary of the presentation to Christopher Lacke at lacke@rowan.edu along with the abstract to the AMS. Presenters in the session will be considered for the SIGMAA on Statistics Education's Best Contributed Paper Award.

Integrating Mathematics and Biology in Undergraduate Education (MAA CP K1), Friday morning; **Glenn W. Ledder*** (gledder@math.unl.edu), University of Nebraska-Lincoln, **Yajun Yang**, Farmingdale State University of New York, **Jack Bookman**, Duke University, and **James P. Fulton**, Suffolk County Community College. The MAA published a report in 2005 called "Math and Bio 2010: Linking Undergraduate Disciplines" that outlined a number of issues and approaches in mathematics curriculum development for life science students. A number of new initiatives in this area sprung up between the collection of articles for this report and its appearance in print. More are at various stages of development. Other initiatives focus on the incorporation of mathematical content into biology courses. This session provides a forum for mathematicians to share ideas about how to connect mathematics and biology in the undergraduate curriculum. We seek presenters who will discuss the content and format of math courses designed to meet the needs of students in the biological sciences, ways to incorporate the application of mathematics to biology in existing undergraduate mathematics courses, and ways to incorporate mathematics in existing undergraduate biology courses. Examples of desirable topics include innovative mathematics courses and curricula for biological science students, exemplary course modules (applications modules for mathematics courses and mathematics modules for biology), and student projects. Presentations from teams of mathematicians and biologists are especially welcome.

Mathematics and Biology 2010: Building Connections (MAA CP K5), Saturday morning; **G. Elton Graves*** (graves@rose-hulman.edu), Rose-Hulman Institute of Technology, and **Catherine M. Murphy**, Purdue University. The CUPM Subcommittee on Mathematics Across the Disciplines requests proposals for papers on interdisciplinary course/programs jointly developed by mathematicians and biologists for undergraduate students. We especially solicit proposals from interdisciplinary teams (bring your biology colleague to JMM as a guest. We would like to hear the biologist's perspective too). Preference will be given to collaborations which have been in effect for two or more years. Your proposal should address such nuts and bolts issues as: how you got started, roadblocks to either starting or sustaining your collaboration, intended student audience, and/or assessment of impact of interdisciplinary experience on students.

Mathematics Experiences in Business, Industry, and Government (MAA CP L1), Sunday afternoon; **Philip E. Gustafson*** (pgustafs@mesastate.edu), Mesa State College, and **Michael Monticino**, University of North Texas. This 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).

Mathematics of Chemistry (MAA CP L5), Monday morning; **George Rublein*** (gtrubl@math.wm.edu), The College of William and Mary. Mathematics makes its appearance early on in college-level chemistry courses. Physical chemistry, which is heavily laced with mathematical models, has a reputation as the most difficult course in the undergraduate chemistry curriculum. The treatment of mathematics in chemistry textbooks often bears little resemblance to the approaches that students see in mathematics courses. This session solicits contributions that show examples of models drawn from chemistry that might comfortably appear in the calculus, differential equations, or linear algebra courses in which chemistry students are commonly enrolled. Chemical thermodynamics, stoichiometry, and chemical kinetics are good sources for such models.

The Mathematics of Sudoku and Other Puzzles (MAA CP M1), Sunday morning; **Laura A. Taalman*** (taal@math.jmu.edu), James Madison University. Sudoku puzzles and their variants are linked to many mathematical problems involving combinatorics, Latin squares, magic squares, polyominos, symmetries, computer algorithms, the rook problem, knight tours, graph colorings, and permutation group theory. Many other puzzles also have underlying mathematical content that can be a source of open problems, undergraduate research projects, and new results. In this session we will explore the mathematics involved in solving, contructing, and analyzing Sudoku and other puzzles. We invite the submission of presentations concerning the mathematics of Sudoku, its variants, and other puzzles. Examples of presentations might include presentations of new mathematical results or computational techniques, survey talks describing known results and open problems, and discussions on using Sudoku and other puzzles as learning tools in the classroom or as the basis for undergraduate research projects. Speakers are encouraged to provide puzzle handouts for attendees if possible and relevant.

Mathlets for Teaching and Learning Mathematics (MAA CP M5). Friday afternoon; **David Strong*** (David.Strong@pepperdine.edu), Pepperdine University, **Thomas Leathrum**, Jacksonville State University, and **Joe Yanik**, Emporia State University. This session seeks to provide a forum in which presenters may demonstrate mathlets and related materials that they have created or further devel-

oped. 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 mathematical concepts, and they can be easily shared by mathematics instructors around the world.

Philosophy of Mathematics (MAA CP N1), Saturday morning and afternoon; **Bonnie Gold*** (bgold@ monmouth.edu), Monmouth University, and **Charles R. Hampton**, The College of Wooster. This session, sponsored by the SIGMAA for the Philosophy of Mathematics, invites papers on any topic in the philosophy of mathematics except logic and set theory. Possible topics include the nature of mathematics, the nature of mathematical objects, the nature of mathematical knowledge, the relation between mathematics and the physical world, the role of esthetics in the development of mathematics. Papers that stem from some specific problems are encouraged, and so are those cutting across disciplines.

Reconceptualizing Content Courses for Prospective High School Mathematics Teachers (MAA CP N5), Saturday afternoon; **Jean McGivney-Burelle*** (burelle@hartford.edu), University of Hartford, and **Neil Portnoy**, Stony Brook University. Today, most preservice secondary mathematics teacher (PSMT) education programs require mathematics coursework similar to that of mathematics majors and education coursework that emphasizes teaching and learning. However, there is widespread concern that together these courses do not provide prospective teachers with the depth and breadth of knowledge needed to teach high school mathematics well (CBMS, 2001). PSMTs often fail to see the connections between advanced mathematics content they are required to study and the high school mathematics they will soon teach. Further, PSMTs have difficulty translating general theories of epistemology, psychology, and pedagogy learned in their education courses into effective strategies for teaching mathematics. This session invites papers on promising practices in mathematics courses which help PSMTs to develop mathematical knowledge that is organized for teaching—knowledge which is characterized by a deep understanding of the mathematics PSMTs will teach; a sound grasp of content-specific pedagogy; an awareness of conceptual barriers to learning mathematics; and an understanding of the historical, cultural, and scientific roots of mathematical ideas and processes.

Research and Other Mathematical Experiences for Students Outside the Classroom (MAA CP P1), Friday afternoon; **Sarah Spence Adams*** (sarah.adams@olin.edu), Franklin W. Olin College of Engineering, **James A. Davis**, University of Richmond, and **Susan E. Morey**, Texas State University, San Marcos. Mathematics "happens" both inside and outside the classroom and, in fact, many mathematics majors are drawn to the subject through a special event sponsored by a Student Chapter or Math Club or through special research projects and programs. This session seeks presentations by academic, industrial, business, and/or student mathematicians so that the audience will be encouraged to organize and run special events for their students. Descriptions of activities could include, but are not limited to, special lectures, workshops for students, Math Days/Fairs, student conferences, recreational mathematics activities, problem-solving activities and contests, general community-building activities, and student consulting projects. We especially encourage information about student research projects and programs, including program logistics and project ideas. Information on how such activities are organized and carried out, what activities especially grab students' interests, how students are contacted and encouraged to participate, and how the events are funded will be especially helpful. This session is organized by the CUPM Subcommittee on Undergraduate Research.

Research on the Teaching and Learning of Undergraduate Mathematics (MAA CP P5), Saturday morning; **David E. Meel*** (meel@bgsu.edu), Bowling Green State University, **Michael Oehrtman**, 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.

Teaching Innovations in Real Analysis (MAA CP Q1), Sunday afternoon; **Robert W. Vallin*** (robert.vallin@sru.edu), Slippery Rock University, and **Erik O. Talvila**, University College of the Fraser Valley. Everyone agrees that undergraduate math majors should take at least one course in real analysis. As we have all seen, though, this tends to strike fear into the heart of even strong students. This session is about how we show analysis to be the exciting and interesting discipline we know it to be. How do you ease the stress for your students? What are your favorite examples/counterexamples? Do you use Java applets, Maple or Mathematica to illustrate concepts? Have you used writing or group projects in your class? How does your version of Moore Method work? Are there different topics or techniques you favor such as nonstandard analysis or Henstock-Kurzweil integration? Your colleagues want you to share your successes with them.

Teaching Mathematics Courses Online (MAA CP Q5), Friday morning; **Cheryl Olsen*** (clolse@ship.edu) and **Kate McGivney**, Shippensburg University. In recent years there has been an increasing trend for undergraduate institutions to offer mathematics courses online. This session will focus both on presenting successful strategies for teaching such courses as well as describing shortcomings in delivering mathematics online. Consideration will be given to courses where at least 50% of the content is communicated via the web. Proposals that address issues including, but not limited to, designing effective means of communication between students and the instructor, managing group projects and assignments, incorporating various technologies into the course, and implementing successful assessment strategies are welcome. Papers that address how to design an online course that meet the same

course goals as a traditionally taught course are of particular interest. Finally, data based on student experiences from learning in an online environment are welcome.

Teaching Operations Research in the Undergraduate Classroom (MAA CP R1), Sunday morning; **Gerald Kobylski*** (Gerald.Kobylski@usma.edu) and **Steve Horton**, United States Military Academy, **Christopher J. Lacke**, Rowan University, and **William Fox**, Francis Marion University. This session solicits papers highlighting innovative instructional strategies and assessment methods in the introductory undergraduate operations research sequence. Suggested topics include, but are not limited to, course projects, case studies, technology demonstrations, cooperative learning activities, and writing assignments. Papers may focus on original teaching materials or the creative use of previously existing ones, but all papers should provide specific learning objectives addressed by the use of such materials. Each submission must focus on operations research topics at the undergraduate level, including those in the introductory undergraduate operations research sequence or undergraduate courses in stochastic processes, queuing theory, network optimization, etc., and should be accompanied by a course syllabus.

The Scholarship of Teaching and Learning in Mathematics (MAA CP R5), Saturday afternoon; **Curtis D. Bennett*** (cbennett@lmu.edu) and **Jacqueline M. Dewar**, Loyola Marymount University. The Scholarship of Teaching and Learning is an international movement where faculty bring disciplinary knowledge to bear on questions of teaching and learning and use student-based evidence to support their conclusions. Work in this area can range from small investigations around teaching innovations or the production of course portfolios to more formal investigations of student learning. Goals of this session are to: (1) Feature scholarly work focused on teaching; (2) Provide a venue for mathematicians to make their scholarly work on teaching public; and (3) Highlight evidence-based arguments for the value of teaching innovations. Reports that address issues concerning the teaching and learning of undergraduate mathematics are invited. Appropriate for this session are reports of classroom-based investigations of teaching methods, student learning difficulties, or curricular assessment. Papers should discuss more than anecdotal evidence. For example, papers might reference the following types of qualitative or quantitative evidence: student work, interviews, surveys, pre/post tests, etc.

Use of Technology in Abstract Algebra and Number Theory (MAA CP S1), Friday morning; **Byungchul Cha*** (cha@hendrix.edu), Hendrix College, and **Bo-Hae Im**, University of Utah. This session concerns the use of computer, such as Computer Algebra Systems and programming languages, in abstract algebra and number theory. These technologies can provide students with highly computational examples that would be inaccessible by hand, assist in doing symbolic computations and developing algorithms, and help conceptual understanding. We invite papers that address novel ways and various issues regarding the computational tools in teaching courses in the abstract algebra and number theory. Examples of lab sessions/modules and computer exercises that can be shared by other instructors are of particular interest. After the session is over, we plan to collect such materials and make them available at a website upon speakers' approval, aiming to serve as a clearinghouse for teachers who are interested in trying similar experiments in undergraduate courses as well as undergraduate research.

General Session (MAA CP Z1), Friday, Saturday, Sunday, and Monday mornings and afternoons; **Eric S. Marland*** (marlandes@appstate.edu), Appalachian State University, and **Jay A. Malmstrom**, Oklahoma City Community College. Papers may be presented on any mathematical topic.

Davidson, North Carolina

Davidson College

March 3–4, 2007

Saturday – Sunday

Meeting #1024

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 3, 2006
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Invited Addresses

Chaim Goodman-Strauss, University of Arkansas at Fayetteville, *Title to be announced.*

Andrew J. Granville, University of Montreal, *Title to be announced* (Erdős Memorial Lecture).

Alex Iosevich, University of Missouri-Columbia, *Analysis, combinatorics, and arithmetic of incidence theory.*

Shrawan Kumar, University of North Carolina, *Eigenvalue problem for Hermitian matrices and its generalization to arbitrary reductive groups.*

Special Sessions

Between Harmonic Analysis, Number Theory, and Combinatorics (Code: SS 1A), **Alex Iosevich**, University of Missouri-Columbia, **Michael T. Lacey**, Georgia Institute of Technology, and **Konstantin Oskolkov**, University of South Carolina.

Computational Group Theory (Code: SS 3A), **Arturo Magidin**, University of Louisiana at Lafayette, **Luise Charlotte Kappe**, Binghamton University, and **Robert F. Morse**, University of Evansville.

Geometric and Combinatorial Methods in Representation Theory (Code: SS 2A), **Brian Boe** and **William A. Graham,** University of Georgia, and **Kailash C. Misra**, North Carolina State University.

Oxford, Ohio

Miami University

March 16–17, 2007

Friday – Saturday

Meeting #1025

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

Invited Addresses

Sergey Fomin, University of Michigan, *Title to be announced.*

Naichung Conan Leung, University of Minnesota, *Title to be announced.*

Emil J. Straube, Texas A & M University, *Title to be announced.*

Shouhong Wang, Indiana University, *Title to be announced.*

Special Sessions

Finite Geometry and Combinatorics (Code: SS 3A), **Mark A. Miller**, Marietta College.

Geometric Topology (Code: SS 2A), **Jean-Francois LaFont**, SUNY Binghamton and Ohio State University, and **Ivonne J. Ortiz**, Miami University.

Large Cardinals in Set Theory (Code: SS 1A), **Paul B. Larson**, Miami University, **Justin Tatch Moore**, Boise State University, and **Ernest Schimmerling**, Carnegie Mellon University.

Hoboken, New Jersey

Stevens Institute of Technology

April 14–15, 2007

Saturday – Sunday

Meeting #1026

Eastern Section
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: September 14, 2006
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Invited Addresses

Neal Koblitz, University of Washington, *Title to be announced.*

Florian Luca, Universidad Nacional Autónoma de México, *Title to be announced.*

Natasa Pavlovic, Princeton University, *Title to be announced.*

Elisabeth Werner, Case Western Reserve University, *Title to be announced.*

Special Sessions

Affine Invariants, Randomness, and Approximation in Convex Geometry (Code: SS 2A), **Elisabeth Werner**, Case Western Reserve University, and **Artem Zvavitch**, Kent State University.

Automorphic Forms and Arithmetic Geometry (Code: SS 5A), **Guatam Chinta**, City College of New York, and **Paul E. Gunnells**, University of Massachusetts, Amherst.

Convex Sets (Code: SS 1A), **David Larman**, University College London, and **Valeriu Soltan**, George Mason University.

Differential Algebra (Code: SS 4A), **Phyllis J. Cassidy**, Smith College and The City College of CUNY; **Richard C. Churchill**, Hunter College and The Graduate Center of CUNY; **Li Guo** and **William F. Keigher**, Rutgers University at Newark; and **Jerald J. Kovacic** and **William Sit**, The City College of CUNY.

Fourier Analysis and Convexity (Code: SS 3A), **Alexander Koldobsky**, University of Missouri, Columbia, and **Dmitry Ryabogin**, Kansas State University.

Tucson, Arizona

University of Arizona

April 21–22, 2007

Saturday – Sunday

Meeting #1027

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 21, 2006
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Invited Addresses

Liliana Borcea, Rice University, *Title to be announced.*

James Cushing, University of Arizona, Tucson, *Title to be announced.*

Hans Lindblad, University of California, San Diego, *Title to be announced.*

Vinayak Vatsal, University of British Columbia, Vancouver, *Title to be announced.*

Special Sessions

Inverse Problems for Wave Propagation (Code: SS 2A), **Liliana Borcea**, Rice University.

Representations of Algebras (Code: SS 1A), **Frauke Maria Bleher**, University of Iowa, **Birge K. Huisgen-Zimmermann**, University of California Santa Barbara, and **Dan Zacharia**, Syracuse University.

Warsaw, Poland

University of Warsaw

July 31 – August 3, 2007

Tuesday – Friday

Meeting #1028

First Joint International Meeting between the AMS and the Polish 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

Invited Addresses

Henryk Iwaniec, Rutgers University, *Title to be announced.*

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

Tomasz Mrowka, Massachusetts Institute of Technology, *Title to be announced.*

Ludomir Newelski, University of Wroclaw, *Title to be announced.*

Madhu Sudan, Massachusetts Institute of Technology, *Title to be announced.*

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

Chicago, Illinois

DePaul University

October 5–6, 2007

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

New Brunswick, New Jersey

Rutgers University-New Brunswick, Busch Campus

October 6–7, 2007

Saturday – Sunday
Eastern Section
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: March 6, 2007
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Albuquerque, New Mexico

University of New Mexico

October 13–14, 2007

Saturday – Sunday
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of *Notices*: To be announced
Program first available on AMS website: To be announced
Program issue of electronic *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

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

Murfreesboro, Tennessee

Middle Tennessee State University

November 3–4, 2007

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: April 4, 2007
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Invited Addresses

Daniel K. Nakano, University of Georgia, *Title to be announced.*

Carla D. Savage, North Carolina State University, *Title to be announced.*

Sergei Tabachnikov, Pennsylvania State University, *Title to be announced.*

Wellington, New Zealand

To be announced

December 12–15, 2007

Wednesday – Saturday
First Joint International Meeting between the AMS and the New Zealand Mathematical Society (NZMS).
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: To be announced
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

San Diego, California

San Diego Convention Center

January 6–9, 2008

Sunday – Wednesday
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: April 1, 2007
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

New York, New York

Courant Institute of New York University

March 22–23, 2008

Saturday – Sunday
Eastern Section
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: August 22, 2007
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Baton Rouge, Louisiana

Louisiana State University, Baton Rouge

March 28–30, 2008

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: August 28, 2007
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Bloomington, Indiana

Indiana University

April 4–6, 2008

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: September 4, 2007
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Claremont, California

Claremont McKenna College

May 3–4, 2008

Saturday – Sunday
Southeastern 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: October 4, 2007
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Rio de Janeiro, Brazil

Instituto Nacional de Matemática Pura e Aplicada (IMPA)

June 4–7, 2008

Wednesday – Saturday
First Joint International Meeting between the AMS and the Sociedade Brasileira de Matemática.
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program first available on AMS website: Not applicable
Program issue of electronic *Notices*: Not applicable
Issue of *Abstracts*: Not applicable

Deadlines

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

Vancouver, Canada

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

October 4–5, 2008

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: March 9, 2008
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Huntsville, Alabama

University of Alabama, Huntsville

October 24–26, 2008

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 24, 2008
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Shanghai, People's Republic of China

Fudan University

December 17–21, 2008

Wednesday – Sunday
First Joint Interntional 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: Not applicable
Program issue of electronic *Notices*: Not applicable
Issue of *Abstracts*: Not applicable

Deadlines

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

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
Southeastern 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

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

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