Meetings & Conferences of the AMS

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

Miami, Florida

Florida International University

April 1-2, 2006

Saturday – Sunday

Meeting #1015

Southeastern Section Associate secretary: Matthew Miller Announcement issue of *Notices*: January 2006 Program first available on AMS website: February 16, 2006 Program issue of electronic *Notices*: April 2006 Issue of *Abstracts*: Volume 27, Issue 2

Deadlines

For organizers: Expired For consideration of contributed papers in Special Sessions: Expired For abstracts: February 7, 2006

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

Invited Addresses

Andrea R. Nahmod, University of Massachusetts, Amherst, *Bilinear operators in analysis and PDEs*.

Edward Odell, University of Texas at Austin, *Embeddings in Banach space theory*.

Karen V. H. Parshall, University of Virginia, *The British development of the theory of invariants*, 1841-1895.

Michael S. Vogelius, Rutgers University, *Electromagnetic imaging—An applied analyst's perspective*.

Special Sessions

Approximation Theory and Orthogonal Polynomials (Code: SS 5A), **Doron S. Lubinsky**, Georgia Institute of Technology, and **Edward B. Saff**, Vanderbilt University.

Commutative Algebra and Algebraic Geometry (Code: SS 1A), **Laura Ghezzi**, Florida International University, **Huy Tài Hà**, Tulane University, and **Aron Simis**, University Federal de Pernambuco.

Composition Operators and Complex Dynamical systems (Code: SS 16A), **Brian P. Kelly**, University of Louisiana, Monroe, and **Christopher N. B. Hammond**, Connecticut College.

Financial Mathematics (Code: SS 17A), Alec N. Kercheval and Craig A. Nolder, Florida State University.

Geometry of Banach Spaces and Connections with Other Areas (Code: SS 11A), **Edward W. Odell**, University of Texas at Austin, **Thomas B. Schlumprecht**, Texas A&M University, and **Stephen Dilworth**, University of South Carolina.

Geometry of Riemannian Manifolds with Additional Structures (Code: SS 2A), **Tedi C. Draghici, Gueo V. Grantcharov**, and **Philippe Rukimbira**, Florida International University.

Harmonic Analysis and Partial Differential Equations (Code: SS 10A), **Mario Milman**, Florida Atlantic University, and **Marius Mitrea**, University of Missouri.

History of Mathematics (Code: SS 18A), **Karen H. Parshall**, University of Virginia.

Imaging, Homogenization, and Shape Optimization (Code: SS 14A), **Michael S. Vogelius**, Rutgers University, and **Shari Moskow**, University of Florida.

Interpolation Theory and Applications (Code: SS 15A), **Michael Cwikel**, Technion, **Laura De Carli**, Florida International University, and **Mario Milman**, Florida Atlantic University.

Invariants of Low-Dimensional Manifolds (Code: SS 9A), **Thomas G. Lennes**, Florida International University, and **Nikolai N. Saveliev**, University of Miami, Coral Gables.

Mathematical Models in Image and High-Dimensional Data Analysis (Code: SS 13A), Hanna E. Makaruk and Robert M. Owczarek, Los Alamos National Laboratory, and Nikita Sakhaneko, University of New Mexico and Los Alamos National Laboratory.

Monomials and Resolutions (Code: SS 3A), **Joseph P. Brennan**, North Dakota State University, and **Heath M. Martin**, University of Central Florida.

Nonlinear Waves (Code: SS 19A), **Andrea R. Nahmod**, University of Massachusetts, Amherst, and **Sijue Wu**, University of Michigan at Ann Arbor.

Partial Differential Equations and Several Complex Variables (Code: SS 6A), **Shiferaw Berhanu**, Temple University, and **Hamid Meziani**, Florida International University.

Qualitative Analysis of Partial Differential Equations (Code: SS 4A), **Congming Li**, University of Colorado.

Recent Developments on Fluid and Geophysical Fluid Dynamics (Code: SS 12A), **C. Cao** and **T. Tachim Medjo**, Florida International University, and **X. Wang**, Florida State University.

Singular Integrals, Geometric Analysis, and Free Boundary Problems (Code: SS 8A), **Marianne Korten** and **Charles N. Moore**, Kansas State University.

Spectral Geometry of Manifolds with Boundary and Singular Spaces (Code: SS 20A), **Juan B. Gil**, Pennsylvania State University, Altoona, and **Patrick T. McDonald**, New College, University of South Florida.

Structure of Function Spaces and Applications (Code: SS 7A), **Jan Lang**, The Ohio State University, and **Osvaldo Mendez**, University of Texas at El Paso.

Notre Dame, Indiana

University of Notre Dame

April 8-9, 2006

Saturday – Sunday

Meeting #1016

Central Section Associate secretary: Susan J. Friedlander Announcement issue of *Notices*: January 2006 Program first available on AMS website: February 23, 2006 Program issue of electronic *Notices*: April 2006 Issue of *Abstracts*: Volume 27, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: February 14, 2006

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

Invited Addresses

Douglas N. Arnold, Institute for Math and Applications, University of Minnesota, *Title to be announced*.

Béla Bollobás, University of Memphis and Cambridge University, *Inhomogeneous random graphs* (Erdős Memorial Lecture).

Steven C. Hofmann, University of Missouri, *Title to be announced*.

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

Christopher M. Skinner, University of Michigan, *Title to be announced*.

Special Sessions

Algebraic Structures of Exactly Solvable Models (Code: SS 9A), **Michael Gekhtman**, University of Notre Dame, **Mikhail Shapiro**, Michigan State University, and **Alexander Stolin**, University of Gothenburg.

Analysis and Geometry of Non-linear Evolution and Equations (Code: SS 19A), **Alexandrou A. Himonas** and **Gerard K. Misiolek**, University of Notre Dame.

Combinatorial Algebraic Geometry (Code: SS 2A), **Juan C. Migliore**, University of Notre Dame, and **Uwe R. Nagel**, University of Kentucky.

Commutative Algebra and Algebraic Geometry (Code: SS 1A), **Alberto Corso**, University of Kentucky, **Claudia Polini**, University of Notre Dame, and **Bernd Ulrich**, Purdue University.

Developments and Applications in Differential Geometry (Code: SS 4A), **Jianguo Cao**, **Xiaobo Liu**, and **Brian Smyth**, University of Notre Dame.

Dynamical Systems (Code: SS 10A), **Francois Ledrappier**, University of Notre Dame, and **Amie Wilkinson**, Northwestern University.

Harmonic Analysis, PDE and Geometric Function Theory (Code: SS 14A), John L. Lewis, University of Kentucky, and Steve C. Hofmann, University of Missouri.

Holomorphic Methods and Heat Kernels in Harmonic Analysis and Quantization Theory (Code: SS 16A), **Brian Hall** and **William Kirwin**, University of Notre Dame.

Mathematical Biology (Code: SS 11A), **Mark Alber** and **Bei Hu**, University of Notre Dame.

Model Theory and Computability (Code: SS 8A), **Steven Allen Buechler, Julia Knight**, and **Sergei Starchenko**a, University of Notre Dame, and **Steffen Lempp**, University of Wisconsin.

New Developments in Optimization (Code: SS 15A), **Leonid Faybusovich**, University of Notre Dame.

Nonlinear Waves (Code: SS 13A), **Mark S. Alber** and **Pavel Lushnikov**, University of Notre Dame, and **Ildar Gabotiv** and **Vladimir E. Zakharov**, University of Arizona.

Number Theory (Code: SS 21A), **Scott T. Parsell** and **Jonathan P. Sorenson**, Butler University.

Numerical Solution of Polynomial Systems (Code: SS 7A), **Christopher S. Peterson**, Colorado State University, and **Andrew J. Sommese**, University of Notre Dame.

PDEs and Geometric Analysis (Code: SS 22A), **Matt Gursky** and **Qing Han**, University of Notre Dame.

Several Complex Variables (Code: SS 6A), Nancy K. Stanton and Jeffrey A. Diller, University of Notre Dame.

Special Functions and Orthogonal Polynomials (Code: SS 5A), **Diego Dominici**, State University of New York at New Paltz.

Topics in Representation Theory (Code: SS 17A), **Sam Evens**, University of Notre Dame, and **Jiu-Kang Yu**, Purdue University.

Topology and Physics (Code: SS 18A), **Stephan A. Stolz** and **Bruce Williams**, University of Notre Dame.

Undergraduate Mathematical Research (Code: SS 20A), **Francis X. Connolly**, University of Notre Dame, and **Zsuzsanna Szaniszlo**, Valparaiso University.

Water Waves (Code: SS 12A), **David Nicholls**, University of Illinois at Chicago.

Durham, New Hampshire

University of New Hampshire

April 22-23, 2006

Saturday – Sunday

Meeting #1017

Eastern Section Associate secretary: Lesley M. Sibner Announcement issue of *Notices*: February 2006 Program first available on AMS website: March 9, 2006 Program issue of electronic *Notices*: April 2006 Issue of *Abstracts*: Volume 27, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: February 21, 2006 NOTE: This date is earlier than previously published. The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/ sectional.html.

Invited Addresses

Ailana M. Fraser, University of British Columbia, *Title to be announced*.

Dmitri Nikshych, University of New Hampshire, *Algebraic theory of tensor categories*.

Florian Pop, University of Pennsylvania, *Title to be announced*.

Konstantina Trivisa, University of Maryland, College Park, *Title to be announced*.

Special Sessions

Algebraic Groups (Code: SS 5A), **George J. McNinch**, Tufts University, and **Eric Sommers**, University of Massachusetts-Amherst.

Arithmetic Geometry and Modular Forms (Code: SS 6A), **Paul E. Gunnells** and **Farshid Hajir**, University of Massachusetts, Amherst.

Arrangements and Configuration Spaces (Code: SS 10A), **Graham C. Denham**, University of Western Ontario, and **Alexander I. Suciu**, Northeastern University.

Banach Lattices, Regular Operators, and Applications (Code: SS 3A), **A. K. Kitover**, Community College of Philadelphia, **M. Orhon**, University of New Hampshire, and **A. W. Wickstead**, Queen's University of Belfast.

Banach Spaces of Analytic Functions (Code: SS 2A), **Rita A. Hibschweiler**, University of New Hampshire, and **Thomas H. MacGregor**, SUNY Albany and Bowdoin College.

Discrete and Convex Geometry (Code: SS 1A), **Daniel A. Klain**, University of Massachusetts (Lowell), **Barry R. Monson**, University of New Brunswick, and **Egon Schulte**, Northeastern University.

Galois Theory in Arithmetic and Geometry (Code: SS 8A), **Florian Pop** and **David Harbater**, University of Pennsylvania, and **Rachel J. Pries**, Colorado State University.

Geometric Methods in Group Theory and Topology (Code: SS 9A), **Kim Ruane**, Tufts University, **Jennifer Taback**, Bowdoin College, and **Peter N. Wong**, Bates College.

Global Perspectives on the Geometry of Riemann Surfaces (Code: SS 14A), **Eran Makover** and **Jeffrey K. McGowan**, Central Connecticut State University.

Hopf Algebras and Galois Module Theory (Code: SS 4A), **Timothy Kohl**, Boston University, and **Robert G. Underwood**, Auburn University Montgomery.

Mathematical Challenges in Physical and Engineering Sciences (Code: SS 13A), **Marianna A. Shubov**, University of New Hampshire.

Quantum Invariants of Knots and 3-Manifolds (Code: SS 11A), **Charles D. Frohman**, University of Iowa, and **Razvan Gelca**, Texas Tech University. *Symplectic and Contact Topology* (Code: SS 7A), **Weimin Chen, Michael G. Sullivan**, and **Hao Wu**, University of Massachusetts, Amherst.

Topological Algebras and Applications (Code: SS 12A), **Alexander A. Katz**, St. John's University, and **Genady Y. Grabarnik**, IBM T. J. Watson Research Center.

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 hotel tax of 8%. 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 New Hampshire group**. Cancellation and early checkout policies vary; be sure to check when you make your reservation.

The Hotel New Hampshire, 2 Main Street, Durham, NH 03824, 603-868-1234 or info@hotelnewhampshire.net, located next to Durham's historic district and within a 5- to 15-minute walking distance of campus; US\$99/ single or double, refrigerators in rooms, complimentary continental breakfast; free Internet access. Deadline for reservations is March 21, 2006. Be sure to check cancellation and early checkout policies.

The New England Center, 15 Stratford Rd., Durham, NH 03824, 800-590-4334 or 603-862-2801, (international participants may send email for reservations to shelley. burch@unh.edu); located on campus and within walking distance of the train station; US\$99/single/double. Amenities include a full service restaurant and lounge on the premises, complimentary access to the university's Hamel Recreation Center, and complimentary Internet access (including wireless) throughout the hotel. The number of rooms available is limited! Please make your reservations early because of an anticipated sell out. Be sure to check cancellation and early checkout policies.

Also very close to campus is the **Pines Guest House**, 47 Dover Rd., Durham, 603-868-3361, www. thepinesguesthouse.com, rates are US\$79-129.

The Hickory Pond Inn, 1 Stagecoach Rd., Durham, 800-658-0065 or 603-659-2227, www.hickorypondinn.com, is about three miles from campus; rates start at about US\$89 depending upon season.

Other hotels in Dover, NH (about four to five miles north) or Portsmouth, NH (about eight to nine miles south) can be found using your favorite Internet hotel search engine, e.g., Orbitz.com or Expedia.com, many of which feature discounted rates. Be careful to read the terms thoroughly; some hotels may require full payment when making the reservation and cancellation penalties vary.

Food Service

Holloway Commons is the campus dining hall offering great buffet-style food. The costs and times are—break-fast: 7:15 a.m.-11:00 a.m., US\$6.50; lunch: 11:00 a.m.-4:30 p.m., US\$8.75; and dinner: 4:30 p.m.-9:30 p.m., US\$11.00. Information on local dining near the campus will be available on site.

Local Information

The university's website is www.unh.edu; the department of mathematics is at www.math.unh.edu. Campus information for visitors, including a map and directions, is at www.unh.edu/welcome/visitingunh.html.

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 information will be available at a later date. Watch the meeting website at www.ams.org/amsmtgs/ sectional.html for the most up-to-date details.

Registration and Meeting Information

The meeting is on the campus of the University of New Hampshire (UNH), Durham, NH.

The registration desk will be open Saturday, April 22, 7:30 a.m. to 4:00 p.m., and Sunday, April 23, 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. Locations for the registration desk, Invited Addresses and Special Sessions will be announced at a later date. Please watch the meeting website at www.ams.org/amsmtgs/sectional.html for the most up-to-date details.

Travel and Campus Map

Boston's Logan International Airport (BOS) is approximately 60 miles from Durham. Some participants may find it less expensive to fly into Manchester Airport (MHT), approximately 40 miles from Durham, however, bus service is not available from Manchester to Durham.

Rail service is available from Boston's North Station on Amtrak directly to the UNH campus. See www. thedowneaster.com. The fare is US\$14 each way. Service from Logan Airport to North Station is provided by subway or taxi.

C & J Trailways (800-258-7111 or www.cjtrailways. com) offers very limited bus service (US\$13 each way) between Boston and Durham (leaves North Station (Amtrak) once daily at 3:15 p.m. and returns from Durham once daily at 1:00 p.m.). Other options are to take the bus to Portsmouth (10 miles from Durham) or Dover (five miles from Durham), New Hampshire, and then a taxi or Wildcat shuttle (www.unh.edu/transportation/wildcat/ index.htm) for service to Durham.

The official airline for the meeting is **Delta Airlines**. Take advantage of Delta's new SimpliFaresTM 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 800-221-1212. Be sure to reference **US738367060** or visit 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 Durham, New Hampshire. All rates include unlimited free mileage. Weekend daily rates are available from noon Thursday to Monday at 11:59 P.M. Rates for this meeting are effective April 15, 2006 to April 30, 2006, and begin at US\$35.99/day (weekend rate). 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's age, driver, and credit requirements. Reservations can be made by calling 800-331-1600 or online at www. avis.com. Avis's Discount Number is **B159266**.

Getting to the University by Car: From the south, including Logan International Airport in Boston, MA: Take I-95 North to Exit 4 (N.H. Lakes and Mountains, Spaulding Turnpike). Continue North to Exit 6W and follow Route 4 West. Exit at Route 155A and turn east toward Durham. Follow 155A through a short stretch of fields. Take a left onto Loop Road, bearing right and driving a short distance until you reach the UNH Visitor Center, a small white clapboard building on your left. Metered parking is available at the lot adjacent to the Visitor Center. Special parking arrangements for meeting participants will be announced at a later date.

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.

Reminder: Machine-Readable Passports Required by June 26, 2005.

The Department of Homeland Security reminds travelers from the 27 Visa Waiver Program (VWP) countries that as of June 26, 2005, they must have a machine-readable passport to enter the United States without a visa. Beginning June 26, 2005, transportation carriers will be fined US\$3,300, per violation, for transporting any VWP traveler to the United States without a machine-readable passport. Similarly, VWP travelers arriving in the United States on that date without a machine-readable passport should not anticipate being granted one-time entry into the country. As an alternative for persons with immediate travel plans who are unable to obtain a machine-readable passport in time, the individual may apply for a U.S. visa at a U.S. Consulate or Embassy abroad.

Weather

Mark Twain once said that if you don't like the weather in New England, just wait a minute. Conditions in Durham during late April can be unpredictable so layered clothing is advisable. Rainfall averages 4" in April, and snow is possible. Temperatures can range from about 35° Fahrenheit at night to 60° Fahrenheit during the day.

San Francisco, California

San Francisco State University

April 29-30, 2006

Saturday - Sunday

Meeting #1018

Western Section Associate secretary: Michel L. Lapidus Announcement issue of *Notices*: February 2006 Program first available on AMS website: March 16, 2006 Program issue of electronic *Notices*: April 2006 Issue of *Abstracts*: Volume 27, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: March 7, 2006

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

Invited Addresses

Lincoln Chayes, University of California Los Angeles, *Title to be announced*.

C. Robin Graham, University of Washington, *Title to be announced*.

Vadim Kaloshin, California Institute of Technology, *Title to be announced*.

Benoit B. Mandelbrot, Yale University, *The Nature of Roughness in Mathematics, Science, and Art* (Einstein Public Lecture in Mathematics).

Yuval Peres, University of California Berkeley, *Title to be announced*.

Special Sessions

Computational Arithmetic Geometry (Code: SS 13A), **Kenneth A. Ribet**, University of California Berkeley, and **Kristin Estrella Lauter**, Microsoft Corporation.

Elliptic Methods in Geometry (Code: SS 3A), **C. Robin Graham**, University of Washington, and **Rafe Mazzeo**, Stanford University.

Enumerative Aspects of Polytopes (Code: SS 10A), **Federico Ardila** and **Matthias Beck**, San Francisco State University.

Fractal Geometry: Connections to Dynamics, Geometric Measure Theory, Mathematical Physics and Number Theory (Code: SS 4A), **Michel L. Lapidus** and **Erin P. Pearse**, University of California Riverside, and **Machiel van Frankenhuijsen**, Utah Valley State College.

Geometric Dynamics and Ergodic Theory (Code: SS 11A), **Yitwah Cheung** and **Arek Goetz**, San Francisco State University, and **Slobodan Simic**, San Jose State University.

Geometry of Gröbner Bases (Code: SS 2A), **Bernd Sturmfels**, University of California Berkeley, and **Alexander Yong**, University of Minnesota and Fields Institute.

Hilbert Functions and Resolutions (Code: SS 12A), **Benjamin Richert**, California Polytechnic State University, and **Sean Sather-Wagstaff**, California State University, Dominguez Hills.

History and Philosophy of Mathematics (Code: SS 1A), **Shawnee L. McMurran**, California State University, San Bernardino, and **James J. Tattersall**, Providence College.

Homological and K-theoretical Trends in Algebraic Combinatorics (Code: SS 6A), **Joseph Gubeladze** and **Serkan Hosten**, San Francisco State University.

Liapunov Exponents and Nonuniform Hyperbolicity (Code: SS 7A), **Anton Gorodetski** and **Vadim Kaloshin**, California Institute of Technology.

Lie Algebras and Applications (Code: SS 9A), **Dimitar Grantcharov**, San Jose State University, **Vera Serganova**, University of California Berkeley, and **Arturo Pianzola**, University of Alberta.

Partial Differential Equations and Their Applications (Code: SS 14A), **Steve Shkoller**, University of California Davis.

Probability and Statistical Physics (Code: SS 5A), **Marek Biskup**, University of California Los Angeles, **Noam Berger**, California Institute of Technology and University of California Los Angeles, and **Balint Virag**, University of Toronto.

Q-series and Partitions (Code: SS 8A), **Neville Robbins**, San Francisco State University.

Accommodations

Participants should make their own arrangements directly with a hotel of their choice. Rates quoted do not include sales tax. The AMS is not responsible for rate changes or for the quality of the accommodations. When making a reservation, participants should state they are with the American Mathematical Society group (AMS Meeting). None of the hotels listed are within walking distance of the meeting. Cancellation and early checkout policies vary; be sure to check when you make your reservation.

The Great Highway Inn, 1234 Great Highway, San Francisco, CA, 94112; 800-624-6644, 415-731-6644, fax: 415-731-5309. Rates are US\$110/single and US\$125/double. Cancellation policy requires a 72-hour notice. Cancellation and early checkout policies vary; be sure to check when you make your reservation.

Hampton Inn, 2700 Junipero Serra Blvd., Daly City, CA; 650-755-7500 or 866-519-4851. Rates are US\$109 a night, based upon single or double occupancy, plus 10% tax. All terms and conditions are subject to availability. Recently built, the Hampton Inn is located on Junipero Serra Blvd. ,just two miles South of the campus. All rooms include telephone with complimentary local calls, data ports, cable television, and hairdryers. Free parking on property, hot breakfast, and heated pool are also included. **Deadline for** **reservations is March 31, 2006**. Cancellation and early checkout policies vary; be sure to check when you make your reservation.

Sheraton Gateway Hotel-San Francisco Airport, 600 Airport Blvd., Burlingame, CA, 94010; 650-340-8500, http://www.sheratonsfo.com. Rates are US\$100 single/double. There is an additional \$15 fee per person for triple or quad occupancy. Deadline for reservations is April 7, 2006. Cancellation and early checkout policies vary; be sure to check when you make your reservation.

Food Service

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

Local Information

Please visit the websites maintained by San Francisco State University at http://www.sfsu.edu, the Department of Mathematics at http://math.sfsu.edu, and the site maintained by the San Francisco Convention and Visitors Bureau at http://www.sfvisitor.org.

Other Activities

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.

Book Sales: Examine the newest titles from the AMS! Many of the AMS books will be available at a special discount available only at the meeting. Complimentary coffee will be served courtesy of AMS Membership Services.

Special Presentation

The American Mathematical Society sponsors a series of public lectures in mathematics entitled **The AMS Einstein Public Lecture in Mathematics**. The lectures began in 2005, to celebrate the one-hundredth anniversary of Einstein's *annus mirabilis*. They are to be given annually at one of the Society's eight sectional meetings. The Department of Mathematics at San Francisco State University is honored that the AMS has chosen the San Francisco meeting for its second public lecture and that Wolf Prize winner Benoît Mandelbrot, Yale University, will be the speaker. He will speak on "The Nature of Roughness in Mathematics, Science, and Art", Saturday, April 29, in Jack Adams Hall at 8:00 p.m.

Dinner Buffet: Saturday, April 29, 6:00–8:00 p.m. Dinner Buffet at the Seven Hills Conference Center on the San Francisco State University campus. There will be a wide selection of salads, entrees, and desserts, including vegetarian entrees. Cost is \$25.00 per person, which must be prepaid by sending a check or money order to:

AMS Dinner Buffet Department of Mathematics San Francisco State University 1600 Holloway Avenue

San Francisco, CA 94132

Make the check or money order payable to Math. Dept. SFSU. **The deadline for reservations is April 15**.

Parking

Parking is available in the university parking structure located on South State Street. For more information regarding parking please visit http://www.sfsu.edu/ %7Eparking/text/tocampus.html.

Registration and Meeting Information

The registration desk will be located on the third (main) floor of Thornton Hall, and will be open from 7:30 a.m. to 4:00 p.m. on Saturday, and 8:00 a.m. to noon on Sunday. Talks will take place in the Science Building and Thornton Hall.

Registration 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.

Travel Information and Campus Map

San Francisco Airport (SFO): From the departure area take the I-280 North entrance. Take I-280 North, exit at 19th Avenue. Take Junipero Serra Boulevard to Holloway Avenue; turn left on Holloway Avenue to campus at 19th Avenue.

To get to the parking garage, continue on Holloway Ave. to Font Blvd. Turn right onto Font Blvd. and continue to Lake Merced Blvd. Turn right onto Lake Merced Blvd., then take an immediate right onto State Drive which is the entrance to the parking garage.

By Public Transportation: BART: Exit the Daly City BART Station then take the SFSU shuttle or the MUNI 28 bus. SuperShuttle: Call 800-258-3826 for reservations or find supershuttle vans outside of Departures.

By Car: From the North: Take Highway 101 South, cross the Golden Gate Bridge. Take 19th Avenue/Highway 1 exit. Follow 19th Avenue to campus at Holloway Avenue.

To get to the parking garage, turn right onto Holloway Ave. and continue to Font Blvd. Turn right onto Font Blvd. and continue to Lake Merced Blvd. Turn right onto Lake Merced Blvd., then take an immediate right onto State Drive which is the entrance to the parking garage.

From the South: Take I-280 North, exit at 19th Avenue. Take Junipero Serra Boulevard to Holloway Avenue, turn left on Holloway Avenue to campus at 19th Avenue.

To get to the parking garage, continue on Holloway Ave. to Font Blvd. Turn right onto Font Blvd. and continue to Lake Merced Blvd. Turn right onto Lake Merced Blvd., then take an immediate right onto State Drive which is the entrance to the parking garage.

From the East: Take I-80 West across the Bay Bridge to Highway 101 South. Take 101 South to I-280 toward Daly City. Take the San Jose Avenue/Mission St. exit (immediately after the Ocean Avenue exit), bearing right onto Sagamore Street to Brotherhood Way to Junipero Serra Boulevard North. Take Junipero Serra Boulevard to Holloway Avenue, turn left on Holloway Avenue to campus at 19th Avenue.

To get directly to the parking garage stay on Brotherhood Way and turn right onto Lake Merced Blvd. Turn right onto State Drive which is the third light after turning onto Lake Merced Blvd. and immediately after Font Blvd. **Car Rental: Avis** is the official car rental company for the sectional meeting in San Francisco, California. All rates include unlimited free mileage. Weekend daily rates are available from noon Thursday to Monday at 11:59 P.M. Rates for this meeting are effective April 22, 2006 to May 7, 2006, and begin at US\$24.99/day (weekend rate). 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's age, driver, and credit requirements. Reservations can be made by calling 800-331-1600 or online at http://www.avis.com. The Avis Discount Number for this meeting is **B159266**.

Special Travel 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 wsd@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.

Reminder: Machine-Readable Passports Required by June 26, 2005.

The Department of Homeland Security reminds travelers from the 27 Visa Waiver Program (VWP) countries that as of June 26, 2005, they must have a machine-readable passport to enter the United States without a visa. Beginning June 26, 2005, transportation carriers will be fined US\$3,300, per violation, for transporting any VWP traveler to the United States without a machine-readable passport. Similarly, VWP travelers arriving in the United States on that date without a machine-readable passport should not anticipate being granted one-time entry into the country. As an alternative for persons with immediate travel plans who are unable to obtain a machine-readable passport in time, the individual may apply for a U.S. visa at a U.S. Consulate or Embassy abroad.

Weather

The weather in April is variable, with temperatures from 70° Fahrenheit to 85° Fahrenheit. The weather can turn cold, overcast, and windy due to the close proximity of the San Francisco State University campus to the ocean.

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: March 7, 2006

For consideration of contributed papers in Special Sessions: June 20, 2006

For abstracts: August 15, 2006

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

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

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

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

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: March 21, 2006 For consideration of contributed papers in Special Sessions: July 5, 2006 For abstracts: August 29, 2006

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

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

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.

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

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: March 28, 2006 For consideration of contributed papers in Special Sessions: July 11, 2006 For abstracts: September 6, 2006

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

Invited Addresses

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

Katrin Wehrheim, Institute for Advanced Study, *Title to be announced*.

Special Sessions

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

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

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: April 3, 2006 For consideration of contributed papers in Special Sessions: July 18, 2006 For abstracts: September 12, 2006

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

Invited Addresses

Richard P. Anstee, University of British Columbia, Title to be announced.

Arun Ram, University of Wisconsin, Title to be announced. Donald G. Saari, University of California Irvine, Title to be announced.

Andras Vasy, Massachusetts Institute of Technology, Title to be announced.

Special Sessions

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

New Orleans, Louisiana

New Orleans Marriott and Sheraton New Orleans Hotel

January 4-7, 2007

Thursday - Sunday

Meeting #1023

Joint Mathematics Meetings, including the 113th Annual Meeting of the AMS, 90th Annual Meeting of the Mathe-

matical 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: April 1, 2006 For consideration of contributed papers in Special Sessions: To be announced

For abstracts: To be announced

Davidson, North Carolina

Davidson College

March 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: August 3, 2006

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

For abstracts: To be announced

Oxford, Ohio

Miami University

March 16-17, 2007

Friday - Saturday **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

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 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

Tucson, Arizona

University of Arizona

April 21-22, 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: September 21, 2006 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

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

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

Rio de Janeiro, Brazil

Instituto Nacional de Matemática Pura e *Aplicada (IMPA)*

June 4-7, 2008

Wednesday – Saturday First Joint International Meeting with 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

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

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: 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

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

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

FEBRUARY 2006