

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.

Boston, Massachusetts

Northeastern University

October 5–6, 2002

Meeting #979

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: August 2002

Program first available on AMS website: August 22, 2002

Program issue of electronic *Notices*: October 2002

Issue of *Abstracts*: Volume 23, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: August 13, 2002

Invited Addresses

Lou P. van den Dries, University of Illinois, Urbana-Champaign, *Title to be announced*.

Hillel Furstenberg, Einstein Institute of Mathematics, *Title to be announced* (Erdős Memorial Lecture).

Diane Henderson, Pennsylvania State University, *Mathematical modelling and experiments on water waves*.

Christopher K. King, Northeastern University, *Information capacity of quantum channels*.

Xiaobo Liu, University of Notre Dame, *Solving universal equations in Gromov-Witten invariants*.

Special Sessions

Convex Geometry (Code: AMS SS N1), **Daniel A. Klain**, University of Massachusetts, Lowell, and **Elisabeth Werner**, Case Western Reserve University.

Developments and Applications in Differential Geometry (Code: AMS SS C1), **Chuu-Lian Terng**, Northeastern University, and **Xiaobo Liu**, University of Notre Dame.

Elliptic Operators on Noncompact Manifolds (Code: AMS SS M1), **Maxim Braverman**, Northeastern University, **Victor Nistor**, Pennsylvania State University, and **Mikhail A. Shubin**, Northeastern University.

Ergodic Theory and Dynamical Systems (Code: AMS SS B1), **Stanley J. Eigen**, Northeastern University, and **Vidhu S. Prasad**, University of Massachusetts, Lowell.

Geometric Group Theory (Code: AMS SS P1), **Sean T. Cleary**, City College, CUNY, **Murray Elder**, Tufts University, and **Jennifer Taback**, University of Albany.

Hilbert Schemes (Code: AMS SS G1), **Mark De Cataldo**, SUNY at Stony Brook, and **Anthony A. Iarrobino**, Northeastern University.

Modern Schubert Calculus (Code: AMS SS A1), **Frank Sottile**, University of Massachusetts, Amherst, and **Christopher T. Woodward**, Rutgers University.

Number Theory and Arithmetic Geometry (Code: AMS SS D1), **Matthew A. Papanikolas**, Brown University, and **Siman Wong**, University of Massachusetts, Amherst.

Quantum Information Theory (Code: AMS SS J1), **Christopher K. King**, Northeastern University, and **Mary Beth Ruskai**, University of Massachusetts, Lowell.

Quivers and Their Generalizations (Code: AMS SS E1), **Alex Martsinkovsky**, **Gordana G. Todorov**, **Jerzy M. Weyman**, and **Andrei V. Zelevinsky**, Northeastern University.

Recent Developments in the Orbit Method for Real and p -Adic Groups (Code: AMS SS F1), **Donald R. King**, Northeastern University, and **Alfred G. Noel**, University of Massachusetts, Boston.

Singularities in Algebraic and Analytic Geometry (Code: AMS SS H1), **Terence Gaffney** and **David B. Massey**, Northeastern University, and **Caroline Grant Melles**, U. S. Naval Academy.

The History of Mathematics (Code: AMS SS L1), **Adrian C. Rice**, Randolph-Macon College, and **Amy E. Shell-Gellasch**, U. S. Military Academy.

The Mathematics of Water Waves (Code: AMS SS K1), **Diane Henderson**, Pennsylvania State University, and **Gene Wayne**, Boston University.

Accommodations

Boston is a popular tourist destination in the fall, so 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 sales tax of 12.45%. 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 meeting group. Cancellation and early check-out policies vary; be sure to check when you make your reservation.

The Colonnade, 120 Huntington Ave., Boston, MA 02116; 616-424-7000, fax: 617-424-1717; \$179/single or double; full-service hotel, award-winning restaurant, indoor parking (fee charged), business center, etc.; a 12-minute walk in a safe area to the meeting site on the Northeastern University campus. See <http://www.colonnadehotel.com> for more details. **Deadline for reservations is September 6, 2002.**

DoubleTree Guest Suites, 400 Soldiers Field Rd., Boston, MA, 617-783-0090, fax: 617-783-0189; \$159/single or double; full-service all suites hotel, indoor parking (fee charged), heated indoor pool, etc.; 1.5 miles from the meeting site but not easily walkable to campus because of the highway system between the hotel and campus. On-demand shuttle service will take you to and from the meeting site for \$2 each way. **Deadline for reservations is September 4, 2002.**

Food Service

Fast food outlets in the Curry Student Center (Pizza Hut, D'Angelo's, and others) will be open on Saturday and Sunday. In addition, a campus cafeteria in Stetson Hall with a

fixed-price "all you can eat" menu will be open on Saturday and Sunday, 7:00 a.m. to 9:00 p.m. A list of nearby restaurants will be available at registration.

Local Information

The meeting will take place at Northeastern University, 360 Huntington Avenue, Boston, MA. For local information please consult the website maintained by Northeastern at <http://www.neu.edu/> and the website maintained by the Boston Convention and Visitors Bureau at <http://www.bostonusa.com/>. A good campus map is at <http://www.campusmap.neu.edu/>.

Other Activities

AMS Book Sale: Examine the newest titles from AMS! Most books will be available at a special 50% discount offered only at meetings. Complimentary coffee will be served courtesy of AMS Membership Services.

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

Parking

Visitors to the university can park in the Renaissance Park Garage, 835 Columbus Avenue, Boston, open 5:00 a.m. to 11:00 p.m. daily; or at the Gainsborough Garage, 10 Gainsborough Street, Boston. Both lots are on the Northeastern University campus. The parking fee is based on an hourly rate structure, from \$3.00 for one hour to a maximum of \$24. No overnight parking is permitted. To obtain the most up-to-date information concerning weekend visitor parking, call the Husky Office, 617-373-8322, or Campus Police, 617-373-2121, or go to <http://www.parking.neu.edu/>.

Registration

Registration fees (payable on site only) are \$40/AMS or CMS members; \$60/nonmembers; \$5/emeritus members, students, or unemployed mathematicians. Fees are payable by cash, check, VISA, MasterCard, Discover, or American Express. Registration will take place in the Curry Student Center and will be open on Saturday, 7:30 a.m. to 4:30 p.m., and Sunday, 8:00 a.m. to noon. The plenary talks will also be in the Curry Student Center; other sessions will be scheduled in academic buildings within walking distance.

Travel

Logan International Airport is located three miles from downtown Boston and approximately six miles from Northeastern University. Logan is easily accessible by public transportation (subway and bus routes are operated by the Massachusetts Bay Transit Authority (known as the MBTA or the "T"), water shuttle, and taxi service. A free shuttle bus marked "MASSPORT" stops at each airline terminal, the "T" station, and the water shuttle dock. The "T" will take you to all downtown points, including Northeastern University and The Colonnade Hotel. Van or taxi service from Logan to downtown Boston is about \$15-\$20,

various commercial shuttle services available outside baggage claim are about \$10, and public transportation is under \$2. These fees are subject to change. Go to <http://www.massport.com/> for more information.

Public transportation: Boston's public transportation system is one of the most extensive in the country. The Massachusetts Bay Transportation Authority (MBTA), known as the "T", provides direct service to just about anywhere in the city. The four main lines—Blue, Green, Red and Orange—all run into the downtown Boston area and out to different neighborhoods. From downtown Boston take a Green Line "E" train outbound to the Northeastern University stop. "T" fares range from \$1.00–\$2.50. The "T" runs on Saturday from 5:00 a.m. to 12:45 a.m., and on Sunday from 6:00 a.m. to 12:45 a.m.

Northeastern is also accessible to regional commuter rail. Ruggles Station is located on the periphery of the Northeastern University campus. Information on local subway, bus, and commuter rail stops and schedules is available at <http://www.mbtta.com/>.

Train service: Amtrak services Boston's Back Bay Station at 145 Dartmouth Street (closest to Northeastern University and The Colonnade Hotel) and South Station at Atlantic Avenue in Boston. Go to <http://www.amtrak.com/destinations/boston-ma.html> for schedules and fares.

Interstate bus service: Bus service is widely available throughout Massachusetts. Greyhound and Peter Pan bus lines provide frequent service to all parts of the region from their downtown Boston terminals.

Driving to Northeastern University: Please be aware that downtown Boston is in the midst of the "Big Dig" roadway construction project, and routes are subject to change.

From north of Boston: Take Interstate 93 or Route 1 south to the Storrow Drive exit. Proceed to the Fenway exit. Follow signs for Boylston Street inbound. Bear right onto Westland Avenue. Turn right onto Massachusetts Avenue, then right at the third traffic light onto Columbus Avenue. The Renaissance Parking Garage is at 835 Columbus Avenue.

From west of Boston: Take Interstate 90, Massachusetts Turnpike, east to Exit 22, Copley Square. Bear right at the exit split. Turn right at the traffic light onto Dartmouth Street, then right at next light onto Columbus Avenue. The Renaissance Parking Garage is at 835 Columbus Avenue.

From south of Boston: Take Route 93/3 north (Southeast Expressway) to Exit 18, Massachusetts Avenue. Proceed onto Melnea Cass Boulevard. Continue for approximately two miles and turn left onto Columbus Avenue. The Renaissance Parking Garage is at 835 Columbus Avenue.

Car rental: Special rates have been negotiated with **Avis Rent A Car** for the period September 28 to October 13, 2002, beginning at \$60.99/day for a subcompact car at the weekend rate. All rates include unlimited free mileage; the weekend rates quoted are available from noon Thursday until 11:59 p.m. Monday. Rates do not include state or local surcharges, tax, optional coverages, or gas refueling charges. Renter must meet Avis's age, driver, and credit requirements, and return to the same renting location. Make reservations by calling 800-331-1600 or online at

<http://www.avis.com/>. Higher nonweekend and weekly rates are also available. Please quote **Avis Discount Number B159266** when making reservations.

Weather

October temperatures average a comfortable high of 62° and a low of 46°. Fall weather is typically characterized by mild days and frosty evenings. You'll need a light jacket or a sweater.

Madison, Wisconsin

University of Wisconsin-Madison

October 12–13, 2002

Meeting #980

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: August 2002

Program first available on AMS website: August 29, 2002

Program issue of electronic *Notices*: October 2002

Issue of *Abstracts*: Volume 23, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: August 20, 2002

Invited Addresses

Lawrence Ein, University of Illinois at Chicago, *Title to be announced.*

Eleny Ionel, University of Wisconsin, *Title to be announced.*

Mikhail Safonov, University of Minnesota, *Title to be announced.*

John Sullivan, University of Illinois, Urbana-Champaign, *Title to be announced.*

Special Sessions

Arithmetic Algebraic Geometry (Code: AMS SS A1), **Ken Ono** and **Tonghai Yang**, University of Wisconsin-Madison.

Arrangements of Hyperplanes (Code: AMS SS E1), **Daniel C. Cohen**, Louisiana State University, **Peter Orlik**, University of Wisconsin-Madison, and **Anne Shepler**, University of California Santa Cruz.

Biological Computation and Learning in Intelligent Systems (Code: AMS SS S1), **Shun-ichi Amari**, RIKEN, **Amir Assadi**, University of Wisconsin-Madison, and **Tomaso Poggio**, Massachusetts Institute of Technology.

Characters and Representations of Finite Groups (Code: AMS SS U1), **Martin Isaacs**, University of Wisconsin-Madison, and **Mark Lewis**, Kent State University.

Combinatorics and Special Functions (Code: AMS SS T1), **Richard Askey** and **Paul Terwilliger**, University of Wisconsin-Madison.

Dynamical Systems (Code: AMS SS P1), **Sergey Bolotin** and **Paul Rabinowitz**, University of Wisconsin-Madison.

Effectiveness Questions in Model Theory (Code: AMS SS J1), **Charles McCoy**, **Reed Solomon**, and **Patrick Speissegger**, University of Wisconsin-Madison.

Geometric Methods in Differential Equations (Code: AMS SS H1), **Gloria Mari Beffa**, University of Wisconsin-Madison, and **Peter Olver**, University of Minnesota.

Geophysical Waves and Turbulence (Code: AMS SS M1), **Paul Milewski**, **Leslie Smith**, and **Fabian Waleffe**, University of Wisconsin-Madison.

Group Cohomology and Homotopy Theory (Code: AMS SS G1), **Alejandro Adem**, University of Wisconsin-Madison, and **Jesper Grodal**, Institute for Advanced Study.

Harmonic Analysis (Code: AMS SS C1), **Alex Ionescu** and **Andreas Seeger**, University of Wisconsin-Madison.

Hyperbolic Differential Equations and Kinetic Theory (Code: AMS SS K1), **Shi Jin**, **Marshall Slemrod**, and **Athanassios Tzavaras**, University of Wisconsin-Madison.

Lie Algebras and Related Topics (Code: AMS SS N1), **Georgia Benkart** and **Arun Ram**, University of Wisconsin-Madison.

Lie Groups and Their Representations (Code: AMS SS W1), **R. Michael Howe**, University of Wisconsin-Eau Claire, and **Gail D. Ratcliff**, University of Missouri, St. Louis.

Multiresolution Analysis and Data Presentation (Code: AMS SS F1), **Amos Ron**, University of Wisconsin-Madison.

Optimal Geometry of Curves and Surfaces (Code: AMS SS V1), **Jason H. Cantarella**, University of Georgia, and **John M. Sullivan**, University of Illinois, Urbana-Champaign.

Partial Differential Equations and Geometry (Code: AMS SS D1), **Sigurd Angenent** and **Mikhail Feldman**, University of Wisconsin-Madison.

Probability (Code: AMS SS R1), **David Griffeath** and **Timo Seppalainen**, University of Wisconsin-Madison.

Ring Theory and Related Topics (Code: AMS SS L1), **Don Passman**, University of Wisconsin-Madison.

Several Complex Variables (Code: AMS SS B1), **Pat Ahern**, **Xianghong Gong**, **Alex Nagel**, and **Jean-Pierre Rosay**, University of Wisconsin-Madison.

Accommodations

Participants should make their own arrangements directly with a hotel of their choice. Special rates have been negotiated with the hotels listed below. Rates quoted do not include sales tax (currently 13.5%). 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 meeting group. **Deadline for reservations is September 11, 2002.**

Best Western InnTowner, 2424 University Ave., Madison, WI 53705; 608-233-8778, fax: 608-233-1325; <http://www.intowner.com/>; \$89/single, \$94/double. Early Booking Bonus: Reservations made before August 10, 2002, receive a \$5.00 discount off room rate. The hotel is 1.3 miles from campus. Complimentary airport/campus shuttle.

Best Western Inn on the Park, 22 South Carroll St., Madison, WI 53703; 608-257-8811, fax: 608-257-5995; \$99/single, \$109/double. The hotel is about 1.8 miles from campus.

The Edgewater, 666 Wisconsin Ave., Madison, WI 53703; 608-257-9071, fax: 608-256-0910; <http://www.theedgewater.com/>; \$109/queen/king, \$169/lakeview double. The hotel is a little over a mile from campus.

The Friedrich Center, 1950 Willow Dr., Madison, WI 53706; 608-231-1341, fax: 608-239-9183; <http://www1.uwex.edu/ecc/friedrich/>; \$62/single, \$72/double. The hotel is on the west end of campus, about a 15-minute walk to Van Vleck Hall.

Hilton, Madison Monona Terrace, 9 E. Wilson, Madison, WI 53703; 608-255-5100; <http://www.hiltonmadison.com/>; \$119/standard single, \$129/double. The hotel is approximately 2 miles from campus.

Howard Johnson Plaza Hotel, 525 W. Johnson, Madison, WI 53703; 608-251-5511, fax: 608-251-4824; \$94/single, \$104/double. The hotel is 0.9 miles from campus. Complimentary airport/campus shuttle.

University Inn, 441 N. Frances St., Madison, WI 53703; 608-285-8040, fax: 608-285-8051; \$99/single, \$109/double. The hotel is approximately 0.2 miles from campus.

Food Service

A list of area dining options will be available at the registration desk.

Local Information

Please see the Department of Mathematics's web page at www.math.wisc.edu for information on the University of Wisconsin-Madison and links to other sites related to Madison. Call the Campus Information and Visitor Center (608-263-2400) or stop by the center at 716 Langdon Street (Red Gym) for assistance in planning your trip to campus.

Other Activities

AMS Book Sale: Examine the newest titles from AMS! Most books will be available at a special 50% discount offered only at meetings. Complimentary coffee will be served, courtesy of AMS Membership Services.

Registration and Meeting Information

Registration will take place in Van Vleck Hall from 7:30 a.m. to 4:30 p.m., Saturday, October 26; and from 8:00 a.m. to noon on Sunday, October 27. All sessions will be held in Van Vleck Hall, 480 Lincoln Drive.

Reception

The Department of Mathematics invites all meeting participants to a reception at the Memorial Union, 800 Langdon St., starting at 6 p.m. on Saturday, October 12.

Parking

Some of the campus parking lots are available without a permit from Friday (after 5 p.m.) through Sunday. Please read the signs posted in each lot to determine if parking is available. Visit the website <http://www.wisc.edu/ath/vinfo/cmap/fullmap2.html> for location of lots.

You may also park on Observatory Drive, just west of Charter Street, after 5 p.m. on Friday and during the entire weekend.

There is also a City of Madison parking ramp on Lake Street, near University Avenue. This ramp is about three blocks from Van Vleck Hall.

Travel

By air: Dane County Regional Airport, on Madison's northeast side, provides regional and national air service to and from Madison. Seventy-five flights daily connect passengers to 22 locations, reaching 600 domestic and 70 international destinations with one-stop service.

Driving: Take I-90 or U.S. 151 to Hwy. 12/18. Follow Hwy. 12/18 and exit at Park Street (Exit 261 B). Proceed north on Park Street about four miles to Johnson Street, and turn right on Johnson Street. Proceed one block to Lake Street and turn left on Lake Street.

Two public parking ramps that charge by the hour are available on Lake Street and are a five-minute walk to campus.

Car rental: Special rates have been negotiated with **Avis Rent A Car** for the period October 5–October 20, 2002. All rates include unlimited free mileage; the weekend rates quoted are available from noon Thursday until 11:59 p.m. Monday. Rates do not include state or local surcharges, tax, optional coverages, or gas refueling charges. Renter must meet Avis's age, driver, and credit requirements. Make reservations by calling 800-331-1600 or online at <http://www.avis.com/>. Nonweekend and weekly rates are also available. Please quote **Avis Discount Number B159266** when making reservations.

Taxi: Cabs are readily available for service to campus and downtown, and many hotels offer shuttle service: Badger Cab (<http://apartmentrenting.com/badgercab/>), 608-265-5566; Madison Taxi, 608-258-7458; Union Cab (<http://www.unioncab.com/taxi.html>), 608-242-2000.

Weather

For the latest weather forecast please visit http://weather.yahoo.com/forecast/Madison_WI_US_f.html. Weather in October is generally mild and dry, with temperatures in the 60s.

Salt Lake City, Utah

University of Utah

October 26–27, 2002

Meeting #981

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: August 2002

Program first available on AMS website: September 16, 2002

Program issue of electronic *Notices*: October 2002

Issue of *Abstracts*: Volume 23, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
July 10, 2002

For abstracts: September 4, 2002

Invited Addresses

Yakov Eliashberg, Stanford University, *Comparing symplectic and contact topologies*.

Hart F. Smith, University of Washington, *The wave equation and harmonic analysis*.

Michael Ward, University of British Columbia, *The dynamics and stability of localized patterns for a reaction-diffusion system*.

Amie Wilkinson, Northwestern University, *Partially hyperbolic dynamics on 3-manifolds*.

Special Sessions

Analytic Number Theory (Code: AMS SS B1), **Roger Baker**, **Xian-Jin Li**, and **Andrew D. Pollington**, Brigham Young University.

Area-Minimization and Minimal Surfaces (Code: AMS SS A1), **Michael Dorff**, **Denise Halverson**, and **Gary R. Lowler**, Brigham Young University.

Geometry and Topology (Code: AMS SS F1), **Mladen Bestvina**, **Michael Kapovich**, and **Grigory Mikhalkin**, University of Utah.

Nonlinear Elliptic Partial Differential Equations (Code: AMS SS C1), **David A. Hartenstine**, University of Utah, and **Jon T. Jacobsen**, Pennsylvania State University.

Numerical Solutions of Modeling Problems (Code: AMS SS H1), **Sun Chow**, Brigham Young University, and **Joseph V. Koebe**, Utah State University.

Recent Trends in Algebraic Geometry (Code: AMS SS E1), **Aaron J. Bertram**, University of Utah, and **Christopher Derek Hacon**, University of California Riverside.

Representation Theory of Semisimple Lie Groups (Code: AMS SS D1), **Dragan Milicic** and **Peter Trapa**, University of Utah.

Time Series, Heavy Tails, and Applications (Code: AMS SS G1), **Davar Khoshnevisan**, University of Utah, and **Piotr Kokozska**, Utah State University.

Accommodations

Participants should make their own arrangements directly with the hotel of their choice and state that they will be attending the American Mathematical Society meeting. The AMS is not responsible for rate changes or for the quality of the accommodations. **Deadline for reservations is September 25, 2002.**

Chase Suites, 765 East 400 South, Salt Lake City, UT; 801-532-5511 or 800-966-3346; \$69 single or double.

Hilton, 255 South West Temple, Salt Lake City, UT; 801-328-2000 or 800-HILTONS toll-free; \$109 single or double.

University Guest House, 110 South Fort Douglas Blvd., Salt Lake City, UT; 801-587-1000; \$69 single or double.

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 the Salt Lake Convention and Visitors Bureau site at <http://www.visitsaltlake.com/>.

Other Activities

AMS Book Sale: Examine the newest titles from AMS! Most books will be available at a special 50% discount offered only at meetings. Complimentary coffee will be served, courtesy of AMS Membership Services.

Parking

Parking restrictions are not enforced on weekends, and participants can park in any of the posted lots free of charge.

Registration and Meeting Information

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

Registration fees: (payable on-site only) \$40/AMS members; \$60/nonmembers; \$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 \$13.

Driving: From the Salt Lake 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 3 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 four 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 3/4 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 October 19–November 3, 2002. All rates include unlimited free mileage; the weekend rates quoted are available from noon Thursday until 11:59 p.m. Monday. Rates do not include state or local surcharges, tax, optional coverages, or gas refueling charges. Renter must meet Avis's age, driver, and credit requirements. Make reservations by calling 800-331-1600 or online at <http://www.avis.com/>. Nonweekend and weekly rates are also available. Please quote **Avis Discount Number B159266** when making reservations.

Weather

Temperatures vary from 70° F to 50° F 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/>.

Orlando, Florida

University of Central Florida

November 9–10, 2002

Meeting #982

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: September 2002

Program first available on AMS website: September 26, 2002

Program issue of electronic *Notices*: November 2002

Issue of *Abstracts*: Volume 23, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
July 23, 2002

For abstracts: September 17, 2002

Invited Addresses

Steven J. Cox, Rice University, *Decoding the dance of your dendritic spines*.

James Haglund, University of Pennsylvania, *The q, t -Catalan numbers and the space of diagonal harmonics*.

Marius Mitrea, University of Missouri-Columbia, *Elliptic and parabolic boundary problems in Sobolev-Besov spaces on nonsmooth domains*.

Ricardo H. Nochetto, University of Maryland, College Park, *Title to be announced*.

Special Sessions

Algebraic and Enumerative Combinatorics (Code: AMS SS A1), **James Haglund**, University of Pennsylvania, and **Jeff B. Remmel**, University of California San Diego.

Asymptotics of Integrable Partial Differential Equations, Riemann-Hilbert Problem and Related Topics (Code: AMS SS M1), **Ken T. R. McLaughlin**, University of North Carolina at Chapel Hill and University of Arizona, and **Alexander Tovbis**, University of Central Florida.

Commutative Algebra (Code: AMS SS B1), **Heath M. Martin**, University of Central Florida, and **Stephanie A. Fitchett**, Florida Atlantic University.

Computational Mathematics (Code: AMS SS C1), **Ricardo H. Nochetto**, University of Maryland, and **Bernardo Cockburn**, University of Minnesota.

Computational Methods in Analysis (Code: AMS SS P1), **George A. Anastassiou**, University of Memphis.

Financial Mathematics (Code: AMS SS D1), **Craig A. Nolder** and **Alec N. Kercheval**, Florida State University.

Function Spaces, Singular Integrals and Applications to PDEs (Code: AMS SS N1), **Marius Mitrea** and **Dorina Mitrea**, University of Missouri-Columbia.

Functional and Harmonic Analysis of Wavelets, Frames and Their Applications (Code: AMS SS E1), **Deguang Han**, University of Central Florida, and **Manos I. Papadakis**, University of Houston.

Graph Theory (Code: AMS SS F1), **Robert C. Brigham**, University of Central Florida, **Cun-Quan Zhang**, West Virginia University, and **Yue Zhao**, University of Central Florida.

Homotopy Theory and Geometric Topology (Code: AMS SS J1), **Alexander N. Dranishnikov**, **James E. Keesling**, and **Yuli B. Rudyak**, University of Florida.

Invariants of Knots and Low-Dimensional Manifolds (Code: AMS SS H1), **J. Scott Carter**, University of South Alabama, and **Masahico Saito**, University of South Florida.

Mathematical Neuroscience (Code: AMS SS G1), **Steve J. Cox**, Rice University, and **Richard Bertram**, Florida State University.

Nonlinear Waves (Code: AMS SS L1), **Min Chen**, Purdue University, and **Roy Choudhury** and **David J. Kaup**, University of Central Florida.

The Likelihood Inferences in Statistics (Code: AMS SS K1), **Jian-Jian Ren**, University of Central Florida.

Baltimore, Maryland

Baltimore Convention Center

January 15–18, 2003

Meeting #983

Joint Mathematics Meetings, including the 109th Annual Meeting of the AMS, 86th 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), 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 2002

Program first available on AMS website: November 1, 2002

Program issue of electronic *Notices*: January 2003

Issue of *Abstracts*: Volume 24, Issue 1

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
August 6, 2002

For abstracts: October 1, 2002

For summaries of papers to MAA organizers: September 10, 2002

Joint Invited Addresses

Noam D. Elkies, Harvard University, *Title to be announced* (AMS-MAA Invited Address).

Edward R. Scheinerman, Johns Hopkins University, *Title to be announced* (AMS-MAA Invited Address).

Joint Special Sessions

Computability and Models (Code: AMS SS T1), **Douglas Cenzer**, University of Florida, and **Valentina S. Harizanov**, The George Washington University (AMS-ASL).

Dynamical Systems and Oceanography (Code: AMS SS H1), **Reza Malek-Madani** and **Peter A. McCoy**, U.S. Naval Academy (AMS-SIAM).

Interactions between Logic, Group Theory and Computer Science (Code: AMS SS Q1), **Alexandre V. Borovik**, UMIST, and **Alexei Myasnikov**, City College of CUNY (AMS-ASL).

Mathematics and Education Reform (Code: AMS SS N1), **Naomi Fisher**, University of Illinois at Chicago, **William H. Barker**, Bowdoin College, **Jerry L. Bona**, University of Illinois at Chicago, and **Kenneth C. Millett**, University of California Santa Barbara (AMS-MAA-MER).

Research in Mathematics by Undergraduates (Code: AMS SS P1), **Darren A. Narayan**, **Carl V. Lutzer**, and **Tamara A. Burton**, Rochester Institute of Technology (AMS-MAA-SIAM).

The History of Mathematics (Code: AMS SS S1), **Joseph W. Dauben**, Lehman College, and **David E. Zitarelli**, Temple University (AMS-MAA).

AMS Invited Addresses

Weinan E., Princeton University, *Title to be announced.*

David B. Mumford, Brown University, *Title to be announced* (AMS Josiah Willard Gibbs Lecture).

Andrei Okounkov, University of California Berkeley, *Title to be announced.*

Charles C. Pugh, University of California Berkeley, *Title to be announced.*

Dana Randall, Georgia Institute of Technology, *Title to be announced.*

Peter Sarnak, Princeton University, *Title to be announced* (Colloquium Lectures).

Vladimir Voevodsky, Institute for Advanced Study, *Title to be announced*.

AMS Special Sessions

Advances in Spherical Designs and Codes (Code: AMS SS A1), **Béla Bajnok**, Gettysburg College, and **Neil J. A. Sloane**, AT&T Shannon Labs.

Algebraic Topology Based on Knots (Code: AMS SS F1), **Mark E. Kidwell**, U.S. Naval Academy, and **Jozef H. Przytycki** and **Yongwu Rong**, The George Washington University.

Algebras, Actions, and Algorithms (Code: AMS SS CC1), **Edward S. Letzter** and **Martin Lorenz**, Temple University.

Banach Space Theory and Convex Geometry (Code: AMS SS L1), **Teck-Cheong Lim**, Mason University, and **Mikhail Ostrovskii**, The Catholic University of America.

C-Extensions and Classifications of C*-Algebras* (Code: AMS SS C1), **Shuang Zhang**, University of Cincinnati, and **Huaxin Lin**, University of Oregon.

Computational Algebraic and Analytic Geometry for Low-Dimensional Varieties (Code: AMS SS G1), **Mika K. Seppälä**, Florida State University, and **Emil J. Volcheck**, Baltimore, Maryland.

Discrete Dynamics and Difference Equations (Code: AMS SS D1), **Saber N. Elaydi**, Trinity University, and **Gerasimos Ladas**, University of Rhode Island.

Discrete Models (Code: AMS SS K1), **Cris Moore**, University of New Mexico and Santa Fe Institute, and **Dana Randall**, Georgia Institute of Technology.

Dynamics, Physics, and Probability: The Work of the 2002 Nemmers Prize Winner, Yakov Sinai (Code: AMS SS W1), **John M. Franks** and **Jeff Xia**, Northwestern University.

Highlights of Recent Workshops Held by the Board on Mathematical Sciences and Their Applications (Code: AMS SS DD1), **David Eisenbud**, Mathematical Sciences Research Institute, and **Scott T. Weidman**, National Research Council.

Homotopy Theory (Code: AMS SS E1), **Kristine Baxter Bauer**, **J. Michael Boardman**, **Nitu Kitchloo**, **Jean-Pierre Meyer**, **Jack Morava**, and **W. Stephen Wilson**, Johns Hopkins University.

Inverse Problems and Sampling Theory in Signal Analysis (Code: AMS SS Z1), **M. Zuhair Nashed**, University of Delaware.

Mathematical Current Events: Expository Reports (Code: AMS SS Y1), **David Eisenbud**, Mathematical Sciences Research Institute.

Modular Forms, Elliptic Curves, and Related Topics (Code: AMS SS J1), **Cristina M. Ballantine** and **Sharon M. Frechette**, College of the Holy Cross, and **Holly J. Rosson**, St. Mary's College of Maryland.

Nonstandard Models of Arithmetic and Set Theory (Code: AMS SS X1), **Ali Enayat**, American University, and **Roman Kossak**, CUNY Graduate Center.

Operator Algebras, Quantization, and Noncommutative Geometry: A Centennial Celebration in Honor of J. V.

Neumann and M. H. Stone (Code: AMS SS U1), **Robert S. Doran**, Texas Christian University.

Primes and Knots (Code: AMS SS R1), **Jack Morava**, Johns Hopkins University, **Stavros Garoufalidis**, Georgia Institute of Technology, and **Masanori Morishita**, Kanazawa University.

Quantum Computation and Information 2002: Mathematical Challenges (Code: AMS SS EE1), **Samuel J. Lomonaco Jr.**, University of Maryland, Baltimore County, **Howard E. Brandt**, Army Research Laboratory, and **Louis H. Kauffman**, University of Illinois at Chicago.

Recent Advances in Riemannian and Lorentzian Geometries (Code: AMS SS M1), **Krishan L. Duggal**, University of Windsor, and **Ramesh Sharma**, University of New Haven.

Special Functions and q-Series (Code: AMS SS V1), **Mourad E. H. Ismail**, University of South Florida.

Stochastic and Multiscale Problems in the Sciences (Code: AMS SS AA1), **Weinan E**, Princeton University, **Shiyi Chen**, Johns Hopkins University, and **Eric Vanden-Eijnden**, New York University, Courant Institute.

The Many Lives of Lattice Theory and the Theory of Ordered Sets, with Connections to Combinatorics (Code: AMS SS BB1), **Jonathan D. Farley**, University of Oxford, and **Stefan E. Schmidt** and **Alex J. Pogel**, New Mexico State University.

Wavelets, Frames and Operator Theory (Code: AMS SS B1), **Christopher Heil**, Georgia Institute of Technology, **Palle Jorgensen**, University of Iowa, and **David Larson**, Texas A&M University.

Baton Rouge, Louisiana

Louisiana State University

March 14–16, 2003

Meeting #984

Southeastern Section

Associate secretary: John L. Bryant

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 14, 2002

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

For abstracts: To be announced

Bloomington, Indiana

Indiana University

April 4–6, 2003

Meeting #985

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, 2002

For consideration of contributed papers in Special Sessions:
December 17, 2002

For abstracts: February 11, 2003

Invited Addresses

Daniel J. Allcock, University of Texas, *Title to be announced.*

Brian D. Conrad, University of Michigan, *Title to be announced.*

Robin A. Pemantle, Ohio State University, *Title to be announced.*

Sijue Wu, University of Maryland, *Title to be announced.*

Special Sessions

Ergodic Theory and Dynamical Systems (Code: AMS SS A1),
Roger L. Jones and **Ayşe A. Sahin**, DePaul University.

New York, New York

Courant Institute

April 12–13, 2003

Meeting #986

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 12, 2002

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

For abstracts: To be announced

Invited Addresses

Matthias Aschenbrenner, University of California Berkeley, *Title to be announced.*

John Etnyre, University of Pennsylvania, *Title to be announced.*

Hans Foellmer, Humboldt University, Berlin, *Title to be announced.*

Wilfrid Gangbo, Georgia Institute of Technology, *Title to be announced.*

Special Sessions

Combinatorial and Statistical Group Theory (Code: AMS SS B1), **Alexei Myasnikov** and **Vladimir Shpilrain**, City College, New York.

Hopf Algebras and Quantum Groups (Code: AMS SS A1), **M. Susan Montgomery**, University of Southern California, **Earl J. Taft**, Rutgers University, and **Sarah J. Witherspoon**, Amherst College.

San Francisco, California

San Francisco State University

May 3–4, 2003

Meeting #987

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: October 3, 2002

For consideration of contributed papers in Special Sessions:
January 14, 2003

For abstracts: March 11, 2003

Invited Addresses

Joe P. Buhler, Reed College, *Title to be announced.*

Raymond C. Heitmann, University of Texas at Austin, *Title to be announced.*

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

Arkady Vaintrob, University of Oregon, *Title to be announced.*

Seville, Spain

June 18–21, 2003

Meeting #988

First Joint International Meeting between the AMS and the Real Sociedad Matemática Española (RSME).

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: Expired

For consideration of contributed papers in Special Sessions:

To be announced

For abstracts: To be announced

Invited Addresses

Xavier Cabre, Universidad Politécnica de Cataluña, Barcelona, *Title to be announced*.

Charles Fefferman, Princeton University, *Title to be announced*.

Michael Hopkins, Massachusetts Institute of Technology, *Title to be announced*.

Ignacio Sols, Universidad Complutense, Madrid, *Title to be announced*.

Luis Vega, Universidad del País Vasco, Bilbao, *Title to be announced*.

Efim Zelmanov, Yale University, *Title to be announced*.

Special Sessions

Affine Algebraic Geometry, **Jaime Gutierrez**, University of Cantabria, **Vladimir Shpilrain**, City College of New York, and **Jie-Tai Yu**, University of Hong Kong.

Algebraic Geometry, **Felix Delgado**, Universidad de Valladolid, and **Andrey N. Todorov**, University of California Santa Cruz.

Algebraic Topology, **Alejandro Adem**, University of Wisconsin, **J. Aguade**, Universitat Autònoma de Barcelona, and **Eric M. Friedlander**, Northwestern University.

Banach Spaces of Analytic Functions, **Daniel Girela**, University of Malaga, and **Michael Stessin**, SUNY at Albany.

Biomolecular Mathematics, **Thomas J. Head** and **Fernando Guzman**, SUNY at Binghamton, **Mario Perez**, Universidad de Sevilla, and **Carlos Martin-Vide**, Rovira i Virgili University.

Classical and Harmonic Analysis, **Nets Katz**, Washington University, **Carlos Perez**, Universidad de Sevilla, and **Ana Vargas**, Universidad Autonoma de Madrid.

Combinatorics, **Joseph E. Bonin**, George Washington University, and **Marc Noy**, Universitat Politecnica de Catalunya.

Commutative Algebra: Geometric, Homological, Combinatorial and Computational Aspects, **Alberto Corso**, University of Kentucky, **Philippe Gimenez**, Universidad de Valladolid, and **Santiago Zarzuela**, Universitat de Barcelona.

Computational Methods in Algebra and Analysis, **Eduardo Cattani**, University of Massachusetts, Amherst, and **Francisco Jesus Castro-Jimenez**, Universidad de Sevilla.

Constructive Approximation Theory, **Antonio Duran**, Universidad de Sevilla, and **Edward B. Saff**, Vanderbilt University.

Control and Geometric Mechanics, **Manuel de Leon**, Instituto de Matemáticas y Física Fundamental, **Alberto Ibort**, Universidad Carlos III, and **Francesco Bullo**, University of Illinois, Urbana-Champaign.

Differential Galois Theory, **Teresa Crespo** and **Zbigniew Hajto**, Universitat de Barcelona, and **Andy R. Magid**, University of Oklahoma.

Differential Structures and Homological Methods in Commutative Algebra and Algebraic Geometry, **Gennady Lyubeznik**, University of Minnesota, and **Luis Narvaez-Macarro**, Universidad de Sevilla.

Discrete and Computational Geometry, **Ferran Hertado**, Universitat Politècnica de Catalunya, and **William Steiger**, Rutgers University.

Dynamical Systems, **George Haller**, Massachusetts Institute of Technology, **Zbigniew H. Nitecki**, Tufts University, **Enrique Ponce**, Universidad de Sevilla, **Tere M. Seara**, Universitat Politècnica de Catalunya, and **Xavier Jarque**, Universitat Autònoma de Barcelona.

Effective Analytic Geometry over Complete Fields, **Luis-Miguel Pardos**, Universidad de Cantabria, and **J. Maurice Rojas**, Texas A&M University.

Geometric Methods in Group Theory, **José Burillo**, Universitat Politècnica de Catalunya, **Jennifer Tayback**, University of Albany, and **Enric Ventura**, Universitat Politècnica de Catalunya.

History of Modern Mathematics—Gauss to Wiles, **Jose Ferreiros**, Universidad de Sevilla, and **David Rowe**, Universitat Mainz.

Homological Methods in Banach Space Theory, **Jesus M. F. Castillo**, Universidad de Extremadura, and **N. J. Kalton**, University of Missouri.

Homotopy Algebras, **Pedro Real**, Universidad de Sevilla, **Thomas J. Lada**, North Carolina State University, and **James Stasheff**, University of North Carolina.

Interpolation Theory, Function Spaces and Applications, **Fernando Cobos**, Universidad Complutense de Madrid, and **Pencho Petrushev**, University of South Carolina.

Lorentzian Geometry and Mathematical Relativity, **Luis J. Alias**, Universidad de Murcia, and **Gregory James Galloway**, University of Miami.

Mathematical Aspects of Semiconductor Modeling and Nano-technology, **Irene Martinez Gamba**, University of Texas, Austin, and **Jose Antonio Carrillo**, Universidad de Granada.

Mathematical Fluid Dynamics, **Diego Cordoba**, CSIC, Madrid, and Princeton University, **Susan Friedlander**, University of Illinois, Chicago, and **Marcos Antonio Fontelos**, Universidad Rey Juan Carlos.

Mathematical Methods in Finance and Risk Management, **Santiago Carrillo Menendez**, Universidad Autonoma de Madrid, **Antonio Falcos Montesinos**, Universidad Cardenal Herrera CEU, **Antonio Sanchez-Calle**, Universidad Autonoma de Madrid, and **Luis A. Seco**, University of Toronto at Mississauga.

Moduli Spaces in Geometry and Physics, **Steven B. Bradlow**, University of Illinois, Urbana-Champaign, and **Oscar Garcia-Prada**, Universidad Autonoma de Madrid.

Nonassociative Algebras and Their Applications, **Efim I. Zelmanov**, Yale University, **Santos Gonzalez**, Universidad de Oviedo, and **Alberto Elduque**, Universidad de Zaragoza.

Nonlinear Dispersive Equations, **Gustavo Ponce**, University of California Santa Barbara, and **Luis Vega**, Universidad del Pais Vasco.

Numerical Linear Algebra, **Lothar Reichel**, Kent State University, and **Francisco Marcellan**, University Carlos III de Madrid.

Operator Theory and Spaces of Analytic Functions, **Jose Bonet**, Universidad Politecnica de Valencia, **Pedro Paul**, Universidad de Sevilla, and **Cora S. Sadosky**, Howard University.

PDE Methods in Continuum Mechanics, **Juan L. Vazquez**, Universidad Autonoma de Madrid, and **J. W. Neuberger**, University of North Texas.

Polynomials and Multilinear Analysis in Infinite Dimensions, **Richard M. Aron**, Kent State University, **J. A. Jaramillo** and **Jose G. Llavona**, Universidad Complutense de Madrid, and **Andrew M. Tonge**, Kent State University.

Quantitative Results in Real Algebra and Geometry, **Carlos Andradas** and **Antonio Diaz-Cano**, Universidad Complutense, **Victoria Powers**, Emory University, and **Frank Sottile**, University of Massachusetts, Amherst.

Recent Developments in the Mathematical Theory of Inverse Problems, **Russell Brown**, University of Kentucky, **Alberto Ruiz**, Universidad Autonoma de Madrid, and **Gunther Uhlmann**, University of Washington.

Riemannian Foliations, **Jesus Antonio Alvarez Lopez**, Universidade de Santiago de Compostela, and **Efton L. Park**, Texas Christian University.

Ring Theory and Related Topics, **Jose Gomez-Torrecillas**, University of Granada, **Pedro Antonio Guil Asensio**, University of Murcia, **Sergio R. Lopez-Permouth**, Ohio University, and **Blas Torrecillas**, University of Almeria.

The Mathematics of Electronmicroscopic Imaging, **Jose-Maria Carazo**, Centro Nacional de Biotecnologia-CSIC, and **Gabor T. Herman**, City University of New York.

Variational Problems for Submanifolds, **Frank Morgan**, Williams College, and **Antonio Ros**, Universidad de Granada.

Boulder, Colorado

University of Colorado

October 2–4, 2003

Meeting #989

Joint Central/Western Section
Associate secretary: Susan J. Friedlander and Michel L. Lapidus
Announcement issue of *Notices*: August 2003

Program first available on AMS website: August 21, 2003
Program issue of electronic *Notices*: October 2003
Issue of *Abstracts*: To be announced

Deadlines

For organizers: March 3, 2003
For consideration of contributed papers in Special Sessions:
June 6, 2003
For abstracts: August 12, 2003

Invited Addresses

J. Brian Conrey, American Institute of Mathematics, *Title to be announced.*

Giovanni Forni, Northwestern University, *Title to be announced.*

Juha M. Heinonen, University of Michigan, *Title to be announced.*

Joseph D. Lakey, New Mexico State University, *Title to be announced.*

Albert Schwarz, University of California Davis, *Title to be announced.*

Avi Wigderson, Institute for Advanced Study, *Title to be announced* (Erdős Memorial Lecture).

Binghamton, New York

SUNY-Binghamton

October 11–12, 2003

Meeting #990

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 10, 2003
For consideration of contributed papers in Special Sessions:
To be announced
For abstracts: To be announced

Invited Addresses

Zlil Sela, Einstein Institute of Mathematics, *Title to be announced.*

Zoltan Szabo, University of Michigan, Ann Arbor, *Title to be announced.*

Jeb F. Willenbring, Yale University, *Title to be announced.*

Special Sessions

Biomolecular Mathematics (Code: AMS SS A1), **Thomas J. Head** and **Dennis G. Pixton**, SUNY at Binghamton, **Mitsunori Oghihara**, University of Rochester, and **Carlos Martin-Vide**, Universitat Rovira i Virgili.

Bangalore, India

India Institute of Science

December 17–20, 2003

Meeting #992

First Joint International Meeting with various Indian mathematical societies

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

Phoenix, Arizona

Phoenix Civic Plaza

January 7–10, 2004

Joint Mathematics Meetings, including the 110th Annual Meeting of the AMS, 87th 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).

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: October 2003

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2004

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 2, 2003

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

Athens, Ohio

Ohio University

March 26–27, 2004

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: August 26, 2003

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

For abstracts: To be announced

Atlanta, Georgia

Atlanta Marriott Marquis and Hyatt Regency Atlanta

January 5–8, 2005

Joint Mathematics Meetings, including the 111th Annual Meeting of the AMS, 88th Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association of Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association of Symbolic Logic (ASL).

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: October 2004

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2005

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 5, 2004

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

San Antonio, Texas

Henry B. Gonzalez Convention Center

January 12–15, 2006

Joint Mathematics Meetings, including the 112th Annual Meeting of the AMS, 89th 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).

Associate secretary: John L. Bryant

Announcement issue of *Notices*: October 2005

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2006

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 12, 2005

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

New Orleans, Louisiana

*New Orleans Marriott and Sheraton
New Orleans Hotel*

January 4–7, 2007

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).

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: October 2006

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2007

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 4, 2006

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

MEETINGS AND CONFERENCES