Meetings & Conferences of the AMS

Lyon, France

July 17–20, 2001

Meeting #968

First Joint International Meeting between the AMS and the Société Mathématique de France.
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: April 2001
Program first available on e-MATH: Not applicable
Program issue of electronic *Notices*: Not applicable
Issue of *Abstracts*: Expired

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: Expired

Invited Addresses

Sun-Yung Alice Chang, Princeton University, *Title to be announced.*

Jean-Pierre Demailly, Université de Grenoble, *Title to be announced.*

Persi Diaconis, Stanford University, *Title to be announced.*

Robert Gardner, University of Massachusetts, Amherst, *Title to be announced.*

Claude Le Bris, Université de Paris IX-Dauphine, *Title to be announced.*

Yves Meyer, École Normale Supérieure de Cachan, *Title to be announced.*

Michèle Vergne, École Polytechnique, *Title to be announced.*

Special Sessions

Additive Number Theory, **Melvyn B. Nathanson**, Herbert H. Lehman College (CUNY), and **Jean-Marc Deshouillers**, Université de Bordeaux II.

Commutative Algebra and Its Interactions with Algebraic Geometry, **Marc F. Chardin**, Université Pierre et Marie Curie-Paris VI, and **Claudia Polini**, University of Oregon.

Differential Geometric Methods in Mathematical Physics, **Johannes Huebschmann**, Université Lille I, **Yvette Kosmann-Schwarzbach**, École Polytechnique, and **Richard W. Montgomery**, University of California Santa Cruz.

Dynamics of Nonlinear Waves, **Christopher K. R. T. Jones**, Brown University, and **Jean-Michel Roquejoffre**, Université Toulouse III.

Fractal Geometry, Number Theory, and Dynamical Systems, **Michel Lapidus**, University of California Riverside, **Michel Mendes-France**, Université de Bordeaux, and **Machiel van Frankenhuysen**, University of California Riverside.

Gauge Theory, **Jean-Claude Sikorav**, École Normale Supérieure de Lyon, and **Ronald Fintushel**, Michigan State University.

Geometric Group Theory, **Gilbert Levitt**, Université Toulouse III, and **Karen Vogtmann**, Cornell University.

Geometric Methods in Low Dimensional Topology, **Hamish Short**, and **Daryl Cooper**, University of California Santa Barbara.

Geometric Structures in Dynamics, **M. Lyubich**, SUNY Stony Brook, **Etienne Ghys**, École Normale Supérieure de Lyon, and **Xavier Buff**, Université Toulouse III.

Geometry and Representation Theory of Algebraic Groups, **Michel Brion**, Université de Grenoble I, and **Andrei Zelevinsky**, Northeastern University.

History of Mathematics, **Thomas W. Archibald**, Acadia University, **Christian Gilain**, Université Pierre et Marie Curie-Paris VI, and **James J. Tattersall**, Providence College.

Logic and Interaction: From the Rules of Logic and the Logic of Rules, **Jean-Yves Girard**, Université de Marseille, and **Philip Scott**, University of Ottawa.

Mathematical Fluid Dynamics, **Yann Brenier**, Université Pierre et Marie Curie-Paris VI, **Susan J. Friedlander**, University of Illinois at Chicago, and **Emmanuel Grenier**, École Normale Supérieure de Lyon.

Mathematical Methods in Financial Modelling, **Marco Avellaneda**, Courant Institute, New York University, and **Rama Cont**, École Polytechnique.

Model Theory, **Gregory L. Cherlin**, Rutgers University, and **Frank Wagner**, Université Claude Bernard Lyon I.

Partial Differential Equations and Geometry, **Fabrice Bethuel**, Université Pierre et Marie Curie-Paris VI, and **Paul C. Yang**.

Probability, **Gerard Benarous**, École Normale Supérieure, and **George C. Papanicolaou**, Stanford University.

Registration

The correct address for online registration is `http://www.umpa.ens-lyon.fr/~smf-ams/InsReg.php`.

Columbus, Ohio
Ohio State University

September 21–23, 2001

Meeting #969
Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: June/July 2001
Program first available on e-MATH: August 9, 2001
Program issue of electronic *Notices*: October 2001
Issue of *Abstracts*: Volume 22, Issue 3

Deadlines
For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired
For abstracts: July 13, 2001

Invited Addresses

Alex Eskin, University of Chicago, *Title to be announced.*

Dennis Gaitsgory, University of Chicago, *Title to be announced.*

Yakov B. Pesin, Pennsylvania State University, *Title to be announced.*

Thaleia Zariphopoulou, University of Texas at Austin, *Title to be announced.*
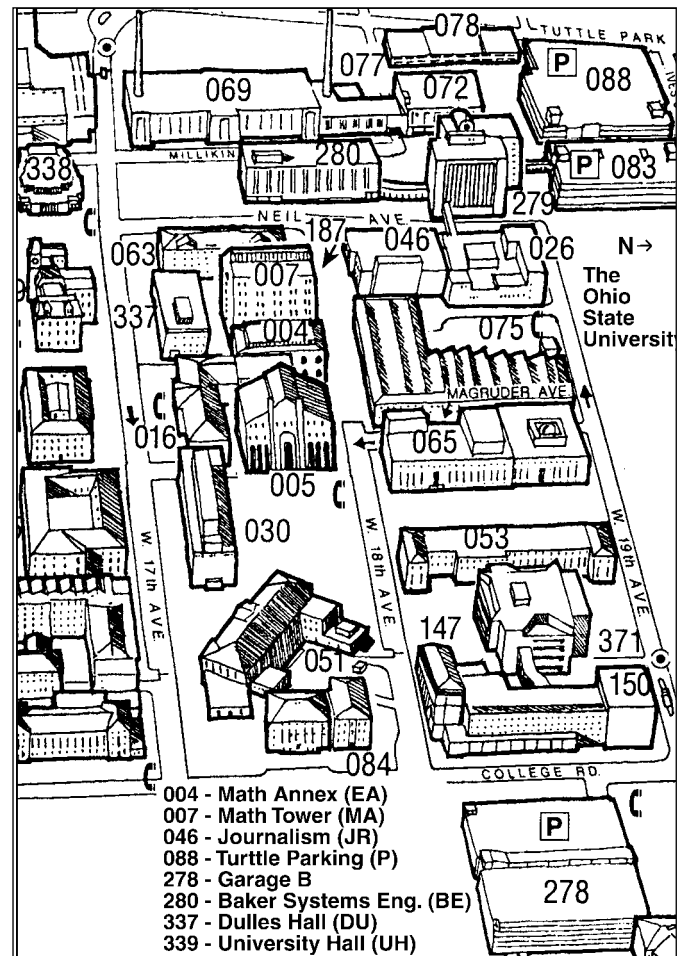
Special Sessions

L^2 *Methods in Algebraic and Geometric Topology* (Code: AMS SS G1), **Dan Burghelea** and **Michael Davis**, Ohio State University.

Algebraic Cycles, Algebraic Geometry (Code: AMS SS A1), **Roy Joshua**, Ohio State University.

Coding Theory and Designs (Code: AMS SS B1), **Tom Dowling**, Ohio State University, and **Dijen Ray-Chaudhuri**.

Commutative Algebra (Code: AMS SS C1), **Evan Houston**, University of North Carolina, Charlotte, and **Alan Loper**, Ohio State University.

004 - Math Annex (EA)
007 - Math Tower (MA)
046 - Journalism (JR)
088 - Turttle Parking (P)
278 - Garage B
280 - Baker Systems Eng. (BE)
337 - Dulles Hall (DU)
339 - University Hall (UH)

Complex Approximation Theory via Potential Theory (Code: AMS SS R1), **V. V. Andrievskii** and **Richard S. Varga**, Kent State University.

Cryptography and Computational and Algorithmic Number Theory (Code: AMS SS E1), **Eric Bach**, University of Wisconsin-Madison, and **Jonathan Sorenson**, Butler University.

Differential Geometry and Applications (Code: AMS SS Q1), **Andrzej Derdzinski** and **Fangyang Zheng**, Ohio State University.

Fractals (Code: AMS SS P1), **Gerald Edgar**, Ohio State University.

Group Theory (Code: AMS SS F1), **Koichiro Harada**, **Surinder Seghal**, and **Ronald Solomon**, Ohio State University.

Multivariate Generating Functions and Automatic Computation (Code: AMS SS H1), **Robin Pemantle**, Ohio State University.

Proof Theory and the Foundations of Mathematics (Code: AMS SS K1), **Timothy Carlson**, Ohio State University.

Quantum Topology (Code: AMS SS L1), **Thomas Kerler**, Ohio State University.

Rings and Modules (Code: AMS SS M1), **S. K. Jain**, Ohio University, and **Tariq Rizvi**, Ohio State University.

Spectral Theory of Schrödinger Operators (Code: AMS SS N1), **Boris Mityagin**, Ohio State University, and **Sergei Novikov**, University of Maryland.

Stochastic Modeling in Financial Mathematics (Code: AMS SS D1), **Ronnie Sircar**, Princeton University.

Accommodations

Participants should make their own arrangements directly with a hotel of their choice. Special rates have been negotiated at the hotels listed below. Rates quoted do not include sales tax of 15.75%. 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 conference. The rates cited are effective for the nights of Friday and Saturday, September 21 and 22. Deadline for reservations is August 20, 2001.

The University Plaza Hotel, 3110 Olentangy River Rd., Columbus, OH 43202; 614-267-7461; $69/single or double; limited shuttle service to campus for the meeting (about 1.75 miles from campus).

Holiday Inn on the Lane, 328 West Lane Avenue, Columbus, OH 43201; 614-294-4848, 800-465-4329; $89/single or double; free shuttle to and from the airport; about .25 mile to campus.

Fawcett Center Hotel and Conference Center, 2400 Olentangy River Rd., Columbus, OH 43210; 614-292-3238; $79/single or double; about .75 mile or a 15-minute walk to campus; very limited number of rooms available.

Other Campus Area Accommodations

AmeriSuites Hotel, 7490 Vantage Dr., Columbus, OH 43235; 614-846-4355, 800-833-1516.

Best Western University Inn, 3232 Olentangy River Rd., Columbus, OH 43202; 614-261-7141.

Cross Country Inn-OSU South, 1445 Olentangy River Rd., Columbus, OH 43212; 614-291-2983, 800-621-1429.

Cross Country Inn, 3246 Olentangy River Rd., Columbus, OH 43202; 614-267-4646, 800-621-1429.

Days Inn-University, 3160 Olentangy River Rd., Columbus, OH 43202; 614-261-0523.

Double Tree Guest Suites, 50 South Front St., Columbus, OH 43215; 614-228-4600, 800-424-2900.

50 Lincoln-A Very Small Hotel, 50 East Lincoln St., Columbus, OH 43215; 614-291-5056.

Hyatt Regency of Columbus, 350 N. High St., Columbus, OH 43215; 614-463-1234, 800-233-1234.

Red Roof Inn-OSU, 441 Ackerman Rd., Columbus, OH 43202; 614-267-9941, 800-843-7663.

Food Service and Restaurants

There are a number of places to eat that are only a 5–10-minute walk from the math department. There are also some cafeterias on campus. For more information see `http://www.ohio-state.edu/visitors/shop.html`.

Local Information

The math department is located at 213 West 18th Avenue, near the corner of West 18th Avenue and Neil Avenue. The building code is either MA (Math Tower) or EA (Math Annex).

See the following Web pages for a clickable campus map, driving directions to OSU campus, and a close-up map of Math Tower. Please check out the bottom portion of Web page 2. The URLs of OSU and the math department are: `http://www.ohio-state.edu/`, `http://www.math.ohio-state.edu/Info/index.html`, and `http://www.math.ohio-state.edu/`. For the entry on this AMS meeting, please see `http://www.math.ohio-state.edu/research/ams_meeting/`. Please visit the Greater Columbus Convention and Visitors Bureau Web site at `http://www.surpriseitscolumbus.com/info.htm`.

Other Activities

AMS Book Sale: Examine the newest titles from the 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. The book sale will be located in Room 724 MW (Math Tower).

Parking

Tuttle Garage (088 on campus map) and Garage B (278 on campus map) are the recommended parking areas for the meeting. The parking rate is $6.50 per day.

Registration and Meeting Information

The registration desk will be located in Room 154 in MA (Math Tower) and will be open from 12:30 p.m. to 4:30 p.m. on Friday and from 8:30 a.m. to 4:30 p.m. on Saturday.

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: Port Columbus Airport, located just eight minutes from downtown, is served by 22 passenger airlines, providing 350 daily arrivals and departures to 30 nonstop destinations. Major carriers include Air Ontario, America West, American, Comair, Continental, Delta, Midway, Midwest Express, Northwest, Southwest, TWA, United, and US Airways.

The following specially negotiated rates on USAirways are available exclusively to mathematicians and their families for the period September 18–26, 2001. Discounts apply only to travel within the continental U.S. Other restrictions may apply and seats are limited. Receive a 5% discount off First or Envoy Class and any published US Airways promotional round-trip fare. By purchasing your ticket 60 days or more prior to departure, you can receive an additional bonus discount. Or, you may receive a 10% discount off unrestricted coach fares with seven-day advance purchase. For reservations call (or have your travel agent call) US Airways Group and Meeting Reservation Office toll-free at 877-874-7687 between 8:00 a.m. and 9:30 p.m. Eastern Time. Refer to **Gold File number 88111579**.

Driving: The directions given below take into account the temporary closure of State Route 315 south of the campus. If you are staying at the OSU Cross Country Inn South, you should take the Kinnear-King Exit off Route 315 immediately to the south of the Lane Avenue Exit referred to below, and take Olentangy River Road south (right turn) to the hotel. If you are staying at the Holiday Inn near campus, you should continue on Lane Avenue until you cross the Olentangy River, and then shortly thereafter make a left turn directly into the hotel. For most of the other hotels in the campus area, you should take Olentangy River Road north (left turn).

From the northeast (Cleveland and Mansfield), take I-71 South to I-270 West, take I-270 West to Route 315, take Route 315 South to the Lane Avenue Exit, turn left on Lane Avenue.

From the north (Sandusky), take Route 4 South to U.S. 23 South, take U.S. 23 South to I-270 West, take I-270 West to Route 315 South, take Route 315 South to the Lane Avenue Exit, turn left on Lane Avenue.

From the northwest (Toledo), take I-75 South to U.S. 23 South, take U.S. 23 South to I-270 West, take I-270 West to Route 315 South, take Route 315 South to the Lane Avenue Exit, turn left on Lane Avenue.

From the west (Indianapolis, Dayton, and Springfield), take I-70 West to I-71 North, take I-71 North to I-670 West (I-670 West will become SR 315 North), take Route 315 North to the Lane Avenue Exit, turn right on Lane Avenue.

From the southwest (Cincinnati), take I-71 North, stay on I-71 where it exits on the right and combines with I-70 East. After about one mile, exit on the left to I-71 North, exit on the left onto I-670 West (I-670 will become SR 315 North), take Route 315 North to the Lane Avenue Exit, turn right on Lane Avenue.

From the south (Portsmouth and Chillicothe), take U.S. 23 North to I-270 West, take I-270 West to I-71 North, stay on I-71 where it exits on the right to I-70. After about one mile, exit on the left to I-71 North, exit on the left onto I-670 West (I-670 will become SR 315 North), take Route 315 North to the Lane Avenue Exit, turn right on Lane Avenue.

From the southeast (Athens and Lancaster), take Route 33 Northwest to I-70 West, take I-70 West to I-71 North, exit on the left to I-670 West (I-670 West will become SR 315 North), take Route 315 North to the Lane Avenue Exit, turn right on Lane Avenue.

From the east (Pittsburgh and Zanesville), take I-70 West to I-71 North, exit on the left to I-670 West (I-670 West will become SR 315 North), take Route 315 North to the Lane Avenue Exit, turn right on Lane Avenue.

Car rental: Special rates have been negotiated with Avis Rent A Car for the period September 14–30, 2001. All rates include unlimited free mileage; the weekend rates quoted are available from noon Thursday until Monday at 11:59 p.m. Rates do not include state or local surcharges, tax, optional coverages, or gas refueling charges. Renter must meet Avis age, driver, and credit requirements. Make reservations by calling 800-331-1600 or online at `http://www.avis.com/`. Nonweekend and weekly rates are also available. Please quote **Avis Discount Number J098887** when making reservations.

Daily weekend rates are Subcompact, $39.99; Compact, $40.99; Intermediate, $42.99; Full-size 2-door, $44.99; Full-size 4-door, $46.99; Premium, $49.99; Luxury, $61.99; Minivan, $61.99; and Sport Utility, $61.99.

Weather

Columbus has a moderate climate with four distinct seasons. Average annual temperature is 54°F, with the average monthly temperature in January at 38°F and July at 73°F. The city receives an average of 37 inches of rainfall and 28 inches of snowfall annually.

Chattanooga, Tennessee

University of Tennessee, Chattanooga

October 5–6, 2001

Meeting #970

Southeastern Section
Associate secretary: John L. Bryant
Announcement issue of *Notices*: August 2001
Program first available on e-MATH: August 23, 2001
Program issue of electronic *Notices*: November 2001
Issue of *Abstracts*: Volume 22, Issue 3

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: June 19, 2001
For abstracts: August 14, 2001

Invited Addresses

Susanne C. Brenner, University of South Carolina, Columbia, *Title to be announced.*

Edward B. Saff, University of South Florida, *Title to be announced.*

Joel H. Spencer, New York University, *Title to be announced.*

Roberto Triggiani, University of Virginia, *Title to be announced.*

Special Sessions

Applications of Partial Differential Equations in Geometric Analysis (Code: AMS SS N1), **Bo Guan** and **Changyou Wang**, University of Tennessee at Knoxville.

Asymptotic Behavior of Solutions of Differential and Difference Equations (Code: AMS SS B1), **John R. Graef**, University of Tennessee at Chattanooga, and **Chuanxi Qian**, Mississippi State University.

Commutative Ring Theory (Code: AMS SS A1), **David F. Anderson** and **David E. Dobbs**, University of Tennessee at Knoxville.

Differential Geometric Methods in the Control of Partial Differential Equations (Code: AMS SS L1), **Walter Littman**, University of Minnesota, and **Roberto Triggiani**, University of Virginia.

Mathematical and Numerical Aspects of Wave Propagation (Code: AMS SS F1), **Boris P. Belinskiy** and **Yongzhi Xu**, University of Tennessee at Chattanooga.

New Directions in Combinatorics and Graph Theory (Code: AMS SS C1), **Teresa Haynes** and **Debra J. Knisley**, East Tennessee State University.

Numerical Analysis and Approximation Theory (Code: AMS SS G1), **Tian-Xiao He**, Illinois Wesleyan University, and **Don Hong**, Eastern Tennessee State University.

Numerical Methods for PDEs (Code: AMS SS J1), **Susanne C. Brenner**, University of South Carolina, and **Craig C. Douglas**, University of Kentucky.

Real Analysis (Code: AMS SS D1), **Paul D. Humke**, Saint Olaf College, **Harry I. Miller**, University of Tennessee at Chattanooga, and **Clifford E. Weil**, Michigan State University.

Recent Advances in Optimization Methods (Code: AMS SS H1), **Jerald P. Dauer** and **Aniekan Ebiefung**, University of Tennessee at Chattanooga.

Sphere-Related Approximation and Applications (Code: AMS SS M1), **Edward B. Saff**, University of South Florida, and **Larry L. Schumaker**, Vanderbilt University.

Topics in Geometric Function Theory (Code: AMS SS E1), **Lelia Miller-Van Wieren**, Penn State Berks Campus, and **Bruce P. Palka**, University of Texas at Austin.

Variational Problems for Free Surface Interfaces (Code: AMS SS K1), **John E. McCuan**, Georgia Institute of Technology, **Thomas I. Vogel**, Texas A&M University, and **Henry C. Wente**, University of Toledo.

Williamstown, Massachusetts

Williams College

October 13–14, 2001

Meeting #971
Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: August 2001
Program first available on e-MATH: August 30, 2001
Program issue of electronic *Notices*: November 2001
Issue of *Abstracts*: Volume 22, Issue 4

Deadlines
For organizers: Expired
For consideration of contributed papers in Special Sessions: June 26, 2001
For abstracts: August 21, 2001

Invited Addresses

Hubert Bray, Massachusetts Institute of Technology, *Title to be announced.*

Robin Forman, Rice University, *Title to be announced.*

Emma Previato, Boston University, *Theta functions, old and new.*

Yisong Yang, Polytechnic University, *Title to be announced.*

Special Sessions

Abelian Varieties (Code: AMS SS K1), **Alexander Polishchuk** and **Emma Previato**, Boston University.

Algebraic and Topological Combinatorics (Code: AMS SS D1), **Eva Maria Feichtner**, ETH, Zürich, Switzerland, and **Dmitry N. Kozlov**, KTH, Stockholm, Sweden.

Commutative Algebra (Code: AMS SS C1), **Susan R. Loepp**, Williams College, and **Graham J. Leuschke**, University of Kansas.

Diophantine Problems (Code: AMS SS F1), **Edward B. Burger**, Williams College, and **Jeffrey D. Vaaler**, University of Texas at Austin.

Ergodic Theory (Code: AMS SS H1), **Cesar Silva**, Williams College.

Geometry and Topology of the Universe (Code: AMS SS E1), **Colin C. Adams**, Williams College, **Glenn Starkmann**, Case Western Reserve University, and **Jeffrey R. Weeks**, Canton, New York.

Harmonic Analysis since the Williamstown Conference of 1978 (Code: AMS SS G1), **Janine E. Wittwer**, Williams College, and **David Cruz-Uribe**, Trinity College.

History of Mathematics (Code: AMS SS A1), **Glen R. Van Brummelen**, Bennington College, **Della D. Fenster**, Richmond University, **James J. Tattersall**, Providence

College, and **Shawnee L. McMurran**, California State University, San Bernadino.

Integrable Systems and Quantum Groups (Code: AMS SS L1), **Pavel I. Etingof**, Massachusetts Institute of Technology, and **Emma Previato**, Boston University.

Nonlinear PDEs and Calculus of Variations (Code: AMS SS J1), **Yisong Yang**, Polytechnic University, and **Fanghua Lin** and **Nader Masmoudi**, Courant Institute, New York University.

Number Theory, Holomorphic Dynamics, and Algebraic Dynamics (Code: AMS SS B1), **Robert L. Benedetto**, University of Rochester, **John W. Milnor**, IMS and SUNY Stony Brook, and **Kevin M. Pilgrim**, University of Missouri, Rolla.

Irvine, California
University of California Irvine

November 10–11, 2001

Meeting #972
Western Section
Associate secretary: Bernard Russo
Announcement issue of *Notices*: September 2001
Program first available on e-MATH: September 27, 2001
Program issue of electronic *Notices*: December 2001
Issue of *Abstracts*: Volume 22, Issue 4

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: July 24, 2001
For abstracts: September 18, 2001

Invited Addresses

William Duke, University of California Los Angeles, *Title to be announced.*

Grigory Mikhalkin, University of Utah, *Title to be announced.*

Gigliola Staffilani, Stanford University, *Title to be announced.*

Jonathan Weitsman, University of California Santa Cruz, *Title to be announced.*

Special Sessions

Extremal Metrics and Moduli Spaces (Code: AMS SS F1), **Steven Bradlow**, University of Illinois, Urbana-Champaign, **Claude LeBrun**, SUNY Stony Brook, and **Yat Sun Poon**, University of California Riverside.

Groups and Covering Spaces in Algebraic Geometry (Code: AMS SS D1), **Michael Fried**, University of California Irvine, and **Helmut Voelklein**, University of Florida.

Harmonic Analysis and Complex Analysis (Code: AMS SS G1), **Xiaojun Huang**, Rutgers University, and **Song-Ying Li**, University of California Irvine.

Partial Differential Equations and Applications (Code: AMS SS C1), **Edriss S. Titi**, University of California Irvine.

Quantum Topology (Code: AMS SS A1), **Louis Kauffman**, University of Illinois at Chicago, **Jozef Przytyzki**, George Washington University, and **Fernando Souza**, University of Waterloo.

Random and Deterministic Schrödinger Operators (Code: AMS SS E1), **Svetlana Jitomirskaya** and **Abel Klein**, University of California Irvine.

Topology of Algebraic Varieties (Code: AMS SS B1), **Eriko Hironaka**, Florida State University, and **Grigory Mikhalkin**, University of Utah.

San Diego, California
San Diego Convention Center

January 6–9, 2002

Meeting #973
Joint Mathematics Meetings, including the 108th Annual Meeting of the AMS, 85th Meeting of the Mathematical Association of America (MAA), with minisymposia and other special events contributed by the Society for Industrial and Applied Mathematics (SIAM); the 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 2001
Program first available on e-MATH: November 1, 2001
Program issue of electronic *Notices*: January 2002
Issue of *Abstracts*: Volume 23, Issue 1

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: August 7, 2001
For abstracts: October 2, 2001
For summaries of papers to MAA organizers: September 14, 2001

Joint Special Sessions

The History of Mathematics (Code: AMS SS A1), **David E. Zitarelli**, Temple University, and **Thomas Archibald**, Acadia University.

AMS Invited Addresses

Michael V. Berry, Bristol University, *Title to be announced* (Josiah Willard Gibbs Lecture).

Felix E. Browder, Rutgers University, *Title to be announced* (Retiring Presidential Address).

L. Craig Evans, University of California Berkeley, *Title to be announced* (Colloquium Lectures).

John M. Franks, Northwestern University, *Title to be announced.*

Jeffrey C. Lagarias, AT&T Laboratories Research, *Title to be announced.*

Fang-hua Lin, Courant Institute, New York University, *Title to be announced.*

John Preskill, California Institute of Technology, *Title to be announced.*

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

AMS Special Sessions

Dynamic Equations on Time Scales (Code: AMS SS B1), **Martin J. Bohner**, University of Missouri, Rolla, and **Billur Kaymakcalan**, Georgia Southern University.

Probablistic Methods in Combinatorics and the Internet (Code: AMS SS C1), **Fan Chung Graham** and **Van Vu**, University of California San Diego.

Preliminary Announcement of MAA Contributed Paper Sessions

The organizers listed below solicit contributed papers pertinent to their sessions. Sessions generally limit presentations to ten minutes, but selected participants may extend their contributions up to twenty minutes.

Each session room contains an overhead projector and screen; blackboards will not be available. Persons needing additional equipment should contact the session organizer, whose name is followed by an asterisk (*), as soon as possible and certainly prior to September 14, 2001. Please note that the dates and times scheduled for these sessions remain tentative.

Submission Procedures for MAA Contributed Papers

Submit your abstract directly to the AMS. Concurrently, send a more detailed one-page summary of your paper directly to the organizer, indicated with an (*). The summary need not duplicate the information in the abstract. In order to enable the organizer(s) to evaluate the appropriateness of your paper, include as much detailed information as possible within the one-page limitation. Papers should not be sent to more than one organizer. Your abstract and summary must reach the AMS and the organizer by Friday, September 14, 2001.

The AMS will publish abstracts for the talks in the MAA sessions. Abstracts must be submitted on the appropriate AMS form. Electronic submission is available via the Internet or e-mail. No knowledge of LaTeX is necessary; however, LaTeX and $\mathcal{A}_{\mathcal{M}}S$-LaTeX can be accommodated. These are the only typesetting systems that can be used if mathematics is included. To see descriptions and to view the electronic templates available, visit the abstracts submission page on the Internet at `http://www.ams.org/abstracts/instructions.html`, or send e-mail to `abs-submit@ams.org`, typing HELP as the subject line.

Completed e-mail templates must be sent to `abs-submit@ams.org` with SUBMISSION as the subject line. Abstracts submitted electronically are quickly either acknowledged, with a unique abstract number assigned to the presentation, or rejected, with a short message on what information is missing or inappropriate. All questions concerning the submission of abstracts should be addressed to `abs-coord@ams.org`.

Here are the codes you will need: Meeting Number: 973; Event Code: the seven characters appearing after the title of the session in parentheses, e.g. (MAA CP A1); Subject Code: the last two-character letter/number combination from the event code list, i.e., A1, B1.

History of Mathematics in the Second Millennium (MAA CP A1), Sunday and Monday mornings. **Janet L. Beery***, University of Redlands, 1200 E. Colton Avenue, Redlands, CA 92373; tel: 909-793-2121, x3118; fax: 909-793-2029; `beery@uor.edu`; and **C. Edward Sandifer**, Western Connecticut State University. We invite original contributions to any portion of the history of mathematics of the second millennium BCE, the second millennium CE, or both, as well as expository discussions of this history and ideas for engaging students with it. Presentations connecting the mathematics history of the two millennia are especially welcome, as are reports of innovative uses of the mathematics history of the two millennia in the classroom.

Mathematics Courses for Teachers, K–12 (MAA CP B1), Sunday and Monday mornings. **Ira J. Papick***, University of Missouri, Columbia, MO 65211; tel. 573-882-7573; fax: 573-882-1869; `mathip@showme.missouri.edu`; **Duane Porter**, University of Wyoming; and **Diane M. Spresser**, National Science Foundation. There are numerous contemporary reports and studies which serve as catalysts to think more deeply about the mathematical qualifications needed for effective teaching in grades K–12. Among these are the NCTM *Principles and Standards for School Mathematics*, the insightful work of Liping Ma, and the CBMS *Report on the Mathematical Education of Teachers*. Research shows that mathematics students achieve more when taught by teachers with strong mathematical content preparation. Yet, because of the current national shortage of qualified mathematics teachers, many practicing teachers have backgrounds that are less than adequate in mathematics. This session seeks papers on innovative mathematics courses that target (a) middle/high school teachers who are teaching mathematics "out of field", (b) those teaching mathematics at the middle grades with elementary certification, or (c) preservice mathematics students (or inservice teachers) for whom a capstone experience would better prepare them for the demands of the high school mathematics classroom.

Integrating Mathematics and Other Disciplines (MAA CP C1), Sunday and Monday mornings. **William G. McCallum***, University of Arizona, Tucson, AZ 85721; tel: 520-621-6697; fax: 520-621-8322; `wmc@math.arizona.edu`; **Deborah Hughes Hallett**, University of Arizona, Tucson; and **Yajun Yang**, SUNY, Farmingdale. The session will present discussions of (1) the content of current mathematics courses in the first two years in the light of the way other disciplines use mathematics and the expectations they have of our students, (2) how applications of mathematics in other disciplines can be incorporated into mathematics courses in a way that enhances mathematical understanding, and (3) presentations of exemplary courses or course

modules. Submissions are encouraged from teachers in engineering, the physical and social sciences, and management and public policy, showing examples of how mathematics is used in their courses. Submissions are also encouraged from mathematicians who have successfully incorporated such material into their courses.

Innovative Uses of the World Wide Web in Teaching Mathematics (MAA CP D1), Sunday and Monday mornings. **Marcelle Bessman***, Jacksonville University, Jacksonville, FL 32224; tel: 904-744-3950, x7304; `mbessma@ju.edu`; and **Brian E. Smith**, McGill University. This contributed paper session will focus on creative uses of the World Wide Web in mathematics instruction. Proposals are solicited on original uses of Web resources in the classroom. We are looking for presentations involving the use of real data sets, instructional materials, interactive simulations, video conferencing, or other topics of interest for educators who are currently using, or planning to use, the Web in their classes. The session is sponsored by the MAA Committee on Computers in Mathematics Education (CCIME).

Initiating and Sustaining Undergraduate Research Projects and Programs (MAA CP E1), Sunday and Monday afternoons. **John R. Swallow***, Davidson College, P. O. Box 1719/200 D Road, Davidson, NC 28036-1719; tel: 704-894-2316; fax: 704-894-2005; `joswallow@davidson.edu`; **Suzanne M. Lenhart**, University of Tennessee; and **Daniel J. Schaal**, South Dakota State University. This session seeks presentations from faculty supervisors of undergraduate research who have insights and experience which would assist others either in creating individual undergraduate research projects or in creating and maintaining longer-term undergraduate research programs. The broad spectrum of undergraduate research, from small projects in courses to honors projects and full-fledged summer research programs, will be represented.

Learning to Prove in Cooperative Learning and Technology Supported Environments (MAA CP F1), Sunday afternoon. **G. Joseph Wimbish**, Huntingdon College, Montgomery, AL 36106; tel: 334-283-8149; fax: 334-283-5413; `jwimbish@huntingdon.edu`; **Connie M. Campbell**, Millsaps College; and **Draga D. Vidakovic**, Georgia State College. For this session we welcome reports of research along with classroom experiences on topics relating to helping students learn to prove. We would particularly welcome those contributions arising from explicit use of cooperative learning with technology-supported environments. Topics of interest could include sources of difficulties and misconceptions; importance of pedagogical approaches in identifying and overcoming difficulties and misconceptions; learning to formulate ideas within groups; and the respective roles of discovery, construction, empirical methods and refutations. We would also be interested in topics that explore sources of student theorems and the methods and timing of instructor intervention when working with cooperative learning.

Changing Student Views regarding the Usefulness of Mathematics in Order to Increase the Number of Mathematics Majors (MAA CP G1), Sunday afternoon. **Sarah L. Mabrouk***, Framingham State College, 100 State Street, P.O. Box 9101, Framingham, MA 01701-9101; tel: 508-626-4785; fax: 508-626-4003; `smabrouk@frc.mass.edu`. Many students select a major based on future earnings rather than interest/aptitude, choosing not to major in mathematics because they do not view mathematics as useful for life/career. While encouraging students to choose a major that fits their interests/abilities, mathematics departments must be concerned about the number of majors in order to maintain/expand the department. If we demonstrate how studying mathematics is useful in the "real world" or leads to an interesting career, then we enable students to pursue their interests in mathematics while maintaining/expanding the department. This session invites papers highlighting efforts of departments to attract mathematics majors. Of interest are activities such as lectures, workshops, math clubs, math days, math fairs, and career days designed to help students to view mathematics as useful and to attract majors. Of special interest are the benefits to students, the affect on the number of mathematics majors, and the benefit(s) to the department.

Computational Mathematics in Linear Algebra and Differential Equations (MAA CP H1), Sunday and Monday afternoons. **Richard J. Marchand***, SUNY at Fredonia, Fredonia, NY 14063; tel: 716-673-3871; fax: 716-673-3804; `marchand@cs.fredonia.edu`; **Elias Y. Deeba**, University of Houston-Downtown; and **Timothy J. McDevitt**, Millersville University. Recent advances in computer algebra systems, spreadsheets, and calculators facilitate numerical investigations of many meaningful problems in linear algebra and differential equations. Such investigations often increase students' understanding of mathematical concepts and empowers them with the capabilities to analyze more "real-world" problems. This session invites papers from these disciplines where these technologies are utilized. The session is sponsored by the MAA Committee on Computers in Mathematics Education (CCIME).

Deep Understanding of School Mathematics Needed by Teachers (MAA CP I1), Monday afternoon. **Albert D. Otto***, Campus Box 4520, Illinois State University, Normal, IL 61790-4520; tel: 309-438-5767; fax: 309-438-5866; `otto@ilstu.edu`; **Catherine M. Murphy**, Purdue University-Calumet; and **Philip Quartararo**, Southern University. The CBMS *Report on the Mathematical Education of Teachers* has as a central theme a call for K–12 teachers to develop a deep understanding of fundamental school mathematics. Papers in this session should illustrate, through specific and well-developed examples, what it means to understand school mathematics deeply, how such understanding can be fostered, and how such understanding can be demonstrated. All papers should show a clear connection to the CBMS report. This session is sponsored by the MAA Committee on the Mathematical Education of Teachers (COMET).

Best Practices in Undergraduate Statistics Education (MAA CP J1), Tuesday morning. **Mary M. Sullivan***, Rhode Island College, 600 Mt. Pleasant Avenue, Providence, RI 02908; tel: 401-456-9851; fax: 401-456-8379; `mmsullivan@ric.edu`; and **Carolyn M. Cuff**, Westminster College. Many contemporary courses in statistics include classroom/laboratory activities and/or projects that require active involvement with real data analysis enhanced by technology and

communication of the results. Faculty who teach statistics and include activities and projects in their courses are invited to contribute papers that describe successfully implemented activities or projects. Faculty will demonstrate the activity during the session, and handouts are expected. Activities can be selected from a range of courses, from those in which only a portion of the course examines statistics through upper-level statistics courses.

Redefining What a Modern "College Algebra" Experience Means (MAA CP K1), Tuesday and Wednesday mornings. **Sheldon P. Gordon***, SUNY at Farmingdale, Farmingdale, NY 11735; tel: 516-451-4720; fax: 516-420-2211; gordonsp@farmingdale.edu; **Florence S. Gordon**, New York Institute of Technology; **Arlene H. Kleinstein**, SUNY at Farmingdale; **Mary Robinson**, University of New Mexico, Valencia Campus; **Linda H. Boyd**, Georgia Perimeter College; and **Richard A. Gillman**, Valparaiso University. The term "college algebra" encompasses a wide variety of offerings ranging from elementary algebra through college algebra/trigonometry courses and even precalculus courses. What is common is an image of the students who take such courses—those who lack some or all of the traditional algebraic skills needed for calculus. Today there are many pressures to redefine all of these traditional courses, which prompted a major MAA curriculum initiative to redefine what a "college algebra" experience should be. This session seeks contributed papers that will: (1) Present new visions for any of the courses that fall under the "college algebra" rubric. (2) Present new visions for courses and programs in quantitative literacy. (3) Describe individual experiences implementing such courses. This includes new content, new pedagogical features (collaborative learning, student projects, communication of ideas, etc.), assessment and evaluation, student reactions to the courses, and so forth. (4) Discuss what is known about enrollment trends relating to these courses. (5) Describe the connections between college algebra courses and courses in other disciplines. (6) Describe connections between college algebra courses and programs in quantitative literacy. The session is being cosponsored by the MAA Task Force on the First College Level Mathematics Course, the Committee on the Undergraduate Program in Mathematics (CUPM), the Committee on Calculus Reform At the First Two Years (CRAFTY), the Committee on Two-Year Colleges (CTYC), the Committee on Quantitative Literacy (CQL), and the Committee on Service Courses.

Strategies for Increasing the Diversity of Students in Mathematics (MAA CP L1), Tuesday morning. **William Yslas Velez***, University of Arizona, Tucson, AZ 85721; tel. 520-621-2259; fax: 520-621-8322; velez@math.arizona.edu; **Marjorie Enneking**, Portland State University; **William A. Hawkins**, SUMMA; **Michael B. Freeman**, University of Kentucky; **Robert E. Megginson**, University of Michigan; **Wade Ellis**, West Valley College. This session will present strategies for recruiting students from diverse backgrounds into mathematics, programs to support high success rates and level of achievement by these students, and faculty development initiatives which help faculty and departments initiate such programs. Presenters will describe methods for evaluating such programs and evidence to document the success of their program.

Using Examples from Sports to Enhance the Teaching of Mathematics (MAA CP M1), Tuesday morning. **Robert E. Lewand***, Goucher College, 1021 Dulaney Valley Road, Baltimore, MD 21204; tel: 410-337-6239; fax: 410-337-6408; blewand@goucher.edu; and **Howard L. Penn**, U.S. Naval Academy. The world of sports provides numerous applications that can enrich the teaching of various mathematics courses. This session seeks talks on the successful use of sports applications to enrich the teaching of any college-level mathematics course.

Classroom Demonstrations and Course Projects That Make a Difference (MAA CP N1), Tuesday and Wednesday afternoons. **David R. Hill***, Temple University, Philadelphia, PA 19122; tel: 215-204-1654; fax: 215-204-6433; hill@math.temple.edu; **Sarah L. Mabrouk**, Framingham State College; and **Lila F. Roberts**, Georgia Southern University. The use of course projects and classroom demonstrations enables instructors to show students that mathematics is meaningful and applicable in a variety of real-life situations. Demos, important tools for instruction in any class format, enable instructors to engage the students on a level beyond that created by lectures. Projects are useful in helping students to apply the course material and to make connections between mathematics and the real world. This session invites papers about favorite instructional demos and course projects appropriate for any level in the undergraduate curriculum designed to engage students and to enable them to gain insight into mathematics. Presenters of demos are encouraged to give the demonstration, if time and equipment allow, and to discuss how to use it in a classroom setting. Presenters of projects are encouraged to discuss the specifics of how the project was conducted and how it was evaluated. Proposals should describe how the demo/project fits into a course; the use of technology or technology requirements, if any; and the effect of the demo/project on student attitudes toward mathematics.

Environmental Mathematics in the Classroom (MAA CP P1), Tuesday and Wednesday afternoons. **Ben Fusaro***, Florida State University, Tallahassee, FL 32306-4510; tel: 850-644-9717; fax: 850-644-4053; fusaro@math.fsu.edu; and **Marty E. Walter**, University of Colorado. We invite papers that deal with all aspects of the applicability of mathematics to the environment at grade levels 12–15. Presentations that deal with exposition, pedagogy, or modeling are welcome. Also welcome are talks about successful experiences with getting this intrinsically interdisciplinary subject into the curriculum. Please keep your titles short and descriptive.

Innovative Outcome Assessment in Statistics Education (MAA CP Q1), Tuesday afternoon. **Robert del Mas***, University of Minnesota, 128 Pleasant Street, SE, Minneapolis, MN 55455; tel: 612-625-2076; fax: 612-625-0709; delma001@umn.edu; and **Carolyn M. Cuff**, Westminster College. Statistics education advocates innovative, interactive instruction in the classroom. Faculty report that students comprehend and enjoy statistics more, but how do we know for certain? How do we assess the learning

outcomes in our courses at the level of literacy, reasoning, and statistical thinking? Beyond assessment itself, how do we use the results from assessment to inform future instruction? Faculty are invited to submit papers that describe course activities and objectives, include examples of assessment (traditional and alternative) of students that are linked to those activities and objectives, and demonstrate how information from the assessments is used to modify instruction. Papers that demonstrate the use of assessment for purposes other than examination, homework, and paper grading are encouraged and welcome.

Who Needs Algebra! Alternative Introductory Mathematics Courses (MAA CP R1), Tuesday afternoon. **Judy E. Ackerman***, Montgomery College, 51 Mannakee Street, Rockville, MD 20850; tel: 301-279-5027; fax: 301-279-5028; `jackerma@mc.cc.md.us`; **Susan L. Forman**, Bronx Community College; and **Kathie A. Yoder**, L.A. Pierce College. Many departments, and even colleges, require all students to study "college algebra", a title that spans a wide variety of precalculus topics. However, such courses may not contain the most appropriate subject matter for many students, particularly those who do not plan to continue the study of mathematics. Many courses such as the history of mathematics, discrete math topics, courses linked with applied fields, introductory statistics and probability, college geometry, finite mathematics, and so on may better serve the mathematical needs of many students and/or their major departments. This session will showcase alternatives to college algebra that meet mathematics graduation requirements. We particularly welcome presentations that reflect new thinking about mathematics courses, pedagogy, delivery mode and/or utilize technology as a tool to access mathematical objectives. Presentations should address the issues of prerequisites and transferability. This session is sponsored by the Committee on Two-Year Colleges (CTYC) and the Committee on Quantitative Literacy (CQL).

SIGMAA on RUME Contributed Paper Session (MAA CP S1), Tuesday and Wednesday mornings. **Julie Morrisett Clark***, Hollins University, Roanoke, VA 24020; tel: 540-362-6595; fax: 540-362-6629; `jclark@hollins.edu`. The Association for Research on Undergraduate Mathematics (ARUME) aims to foster a professional atmosphere for quality research in the teaching and learning of undergraduate mathematics. These contributed paper sessions are for mathematics educators and professional mathematicians interested in research on undergraduate mathematics education. Research papers that address issues concerning the teaching and learning of undergraduate mathematics are invited. Theoretical and empirical investigations using qualitative and quantitative methodologies are appropriate. These should be set within established theoretical frameworks and should further existing work. Reports on completed studies are especially welcome.

General Contributed Paper Session (MAA CP T1), Sunday and Monday afternoons. **Shawnee L. McMurran***, California State University, San Bernardino, CA; tel: 909-880-7249; fax: 909-880-7119; `mcmurran@math.csusb.edu`; **Emelie Kenney**, Siena College; and **Sarah L. Mabrouk**, Framingham State College. This session is designed for papers that do not fit into one of the other sessions. Papers may be presented on any mathematics-related topic. Papers that fit into one of the other sessions should be sent to that organizer, not to this session. E-mail submissions are preferred.

Ann Arbor, Michigan
University of Michigan

March 1–3, 2002

Meeting #974
Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: To be announced
Program issue of electronic *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines
For organizers: August 3, 2001
For consideration of contributed papers in Special Sessions: November 13, 2001
For abstracts: January 9, 2002

Special Sessions

Quantum Topology in Dimension Three (Code: AMS SS A1), **Charles Frohman**, University of Iowa, and **Joanna Kania-Bartoszynska**, Boise State University.

Atlanta, Georgia
Georgia Institute of Technology

March 8–10, 2002

Meeting #975
Southeastern Section
Associate secretary: John L. Bryant
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: To be announced
Program issue of electronic *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines
For organizers: October 8, 2001
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

AMS Invited Addresses

Nigel J. Kalton, University of Missouri, Columbia, *Title to be announced*.

Montréal, Quebec, Canada

Centre de Recherches Mathématiques, Université de Montréal

May 3–5, 2002

Meeting #976
Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: To be announced
Program issue of electronic *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: October 3, 2001
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Pisa, Italy

June 12–16, 2002

Meeting #978
First Joint International Meeting between the AMS and the Unione Matematica Italiana.
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: To be announced
Program issue of electronic *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

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

Invited Addresses

Luigi Ambrosio, Scuola Normale Superiore, *Title to be announced.*

Luis A. Caffarelli, University of Texas at Austin, *Title to be announced.*

Claudio Canuto, University of Torino, *Title to be announced.*

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

Giovanni Gallivotti, University of Rome I, *Title to be announced.*

Sergiu Klainerman, Princeton University, *Title to be announced.*

Rahul V. Pandharipande, California Institute of Technology, *Title to be announced.*

Claudio Procesi, University of Rome, *Title to be announced.*

Portland, Oregon

Portland State University

June 20–22, 2002

Meeting #977
Western Section
Associate secretary: Bernard Russo
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: To be announced
Program issue of electronic *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: November 20, 2001
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Boston, Massachusetts

Northeastern University

October 5–6, 2002
Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: To be announced
Program issue of electronic *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: March 6, 2002
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Madison, Wisconsin

University of Wisconsin-Madison

October 12–13, 2002
Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: To be announced
Program issue of electronic *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: March 12, 2002

For consideration of contributed papers in Special Sessions: June 25, 2002

For abstracts: August 20, 2002

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), **Peter Orlik** and **Anne Shepler**, University of Wisconsin-Madison.

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.

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.

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

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**, University of Wisconsin-Madison, and **Timo Seppalainen**, Iowa State University.

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.

Orlando, Florida
University of Central Florida

November 9–10, 2002

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: To be announced

Program first available on e-MATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 10, 2002

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

For abstracts: To be announced

Baltimore, Maryland
Baltimore Convention Center

January 15–18, 2003

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), and the winter meeting of the Association for Symbolic Logic (ASL).

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on e-MATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 15, 2002

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

Baton Rouge, Louisiana
Louisiana State University

March 14–16, 2003

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: To be announced

Program first available on e-MATH: 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

Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: 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

Seville, Spain

June 25–28, 2003

First Joint International Meeting between the AMS and the Real Sociedad Matematica Espanola (RSME)
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: 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

Phoenix, Arizona

Phoenix Civic Plaza

January 7–10, 2004

Associate secretary: Bernard Russo
Announcement issue of *Notices*: To be announced
Program first available on e-MATH: To be announced
Program issue of electronic *Notices*: To be announced
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