
Meetings & Conferences of the AMS

IMPORTANT NEW PROGRAM INFORMATION: In order that AMS meeting programs include the most timely information for each speaker, abstract deadlines have been moved to dates much closer to the meeting. As a result, Sectional Meeting programs have been appearing in the *Notices* ***after*** the meeting takes place. The Secretariat of the AMS has observed that this arrangement does not provide an adequate service to the reader. So, beginning with the Gainesville meeting (March 12-13, 1999), AMS Sectional Meeting programs will no longer appear in the print version of the *Notices*. However, prior to the meeting date, comprehensive and continually updated meeting and program information with links to the abstract for each talk can be found on e-MATH. See <http://www.ams.org/meetings/>. Programs and abstracts will continue to be displayed on e-MATH in the Meetings and Conferences section until about three weeks after the meeting is over. Final programs for Sectional Meetings will be archived on e-MATH in the next electronic issue of the *Notices* which follows the meeting. See the entry "Program issue of electronic *Notices*" listed below for each meeting to identify the specific issue.

Las Vegas, Nevada

University of Nevada-Las Vegas

April 10–11, 1999

Meeting #942

Western Section

Associate secretary: Bernard Russo

Announcement issue of *Notices*: February 1999

Program first available on eMATH: March 5, 1999

Program issue of electronic *Notices*: June/July 1999

Issue of *Abstracts*: Volume 20, Issue 2

Buffalo, New York

State University of New York at Buffalo

April 24–25, 1999

Meeting #943

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: February 1999

Program first available on eMATH: March 17, 1999

Program issue of electronic *Notices*: June/July 1999

Issue of *Abstracts*: Volume 20, Issue 3

Denton, Texas

University of North Texas

May 19–22, 1999

Meeting #944

Fourth International Joint Meeting of the AMS and the Sociedad Matemática Mexicana (SMM).

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: February 1999

Program first available on eMATH: April 8, 1999

Program issue of electronic *Notices*: June/July 1999

Issue of *Abstracts*: Volume 20, Issue 3

Melbourne, Australia

Melbourne, Australia

July 12–16, 1999

Meeting #945

First International Joint Meeting of the American Mathematical Society and the Australian Mathematical Society.

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: April 1999

Program first available on eMATH: N/A

Program issue of electronic *Notices*: N/A

Issue of *Abstracts*: N/A

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: Expired

Invited Addresses

Jennifer Chayes, Microsoft, *Title to be announced.*

Michael Eastwood, University of Adelaide, *Title to be announced.*

Roger Grimshaw, Monash University, *Title to be announced.*

Gerhard Huisken, University of Tuebingen, *Title to be announced.*

Vaughan Jones, University of California, Berkeley, *Title to be announced.*

Hyam Rubinstein, Melbourne University, *Title to be announced.*

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

Neil Trudinger, Australian National University, *Title to be announced.*

Special Sessions

Algebraic Groups and Related Topics, **Eric Friedlander**, Northwestern University, and **Gustav Lehrer**, University of Sydney.

Computability and Complexity, **Rod Downey**, Victoria University.

Differential Geometry and Partial Differential Equations, **Benjamin H. Andrews**, Australian National University, **Michael G. Eastwood**, University of Adelaide, **Klaus Ecker**, Monash University, and **Gerhard Huisken**, Princeton University and University of Tuebingen.

Fluid Dynamics, **Susan Friedlander**, Northwestern University, and **Roger H. J. Grimshaw**, Monash University.

General Relativity, **Robert Bartnik**, University of Canberra, **Gregory Galloway**, University of Miami, and **Anthony Lun**, Monash University.

Geometric Group Theory, **Swarup Gadde** and **Walter Neumann**, University of Melbourne.

Geometric Themes in Group Theory, **Gustav I. Lehrer**, University of Sydney, **Cheryl E. Praeger**, University of Western Australia, and **Stephen D. Smith**, University of Illinois at Chicago.

Group Actions, **Marston Conder**, **Gaven Martin**, and **Eamonn O'Brien**, University of Auckland.

Low-Dimensional Topology, **William H. Jaco**, Oklahoma State University, and **Hyam Rubinstein**, Melbourne University.

Mathematical Physics: Many Body Systems, **Alan L. Carey**, University of Adelaide, **Paul A. Pearce**, University of Melbourne, and **Mary Beth Ruskai**, University of Massachusetts, Lowell.

Mathematics Learning Centers, **Judith Baxter**, University of Illinois, Chicago, **Marian Kemp**, Murdoch University, **Jackie Nicholas**, University of Sidney, and **Jeanne Wald**, Michigan State University.

Moduli Spaces of Riemann Surfaces, Mapping Class Groups and Invariants of 3-manifolds, **Ezra Getzler**, Northwestern University, and **Richard Hain**, Duke University.

Nonlinear Dynamics and Optimization, **A. F. Ivanov**, Penn State University and University of Ballarat, **A. Mees**, University of Western Australia, and **A. Rubinov**, University of Ballarat.

Operations Research Methods and Applications, **Adi Ben-Israel**, Rutgers University, and **Moshe Sniedovich**, University of Melbourne.

Probability Theory and Its Applications, **Timothy Brown**, University of Melbourne, **Phil Pollett**, University of Queensland, and **Ruth J. Williams**, University of California, San Diego.

Recent Trends in Operator Theory and Harmonic Analysis, **Michael T. Lacey**, Georgia Institute of Technology, and **Alan G. R. McIntosh**, Macquarie University.

Solitons, Integrable Systems and Singular Limits, **Jared Bronski**, University of Illinois, Urbana, **Nalini Joshi**, University of Adelaide, **Peter Miller**, Monash University, and **Colin Rogers**, University of New South Wales.

Salt Lake City, Utah

University of Utah

September 25–26, 1999

Meeting #946

Western Section

Associate secretary: Bernard Russo

Announcement issue of *Notices*: June/July 1999

Program first available on eMATH: August 19, 1999

Program issue of electronic *Notices*: December 1999

Issue of *Abstracts*: Volume 20, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: August 3, 1999

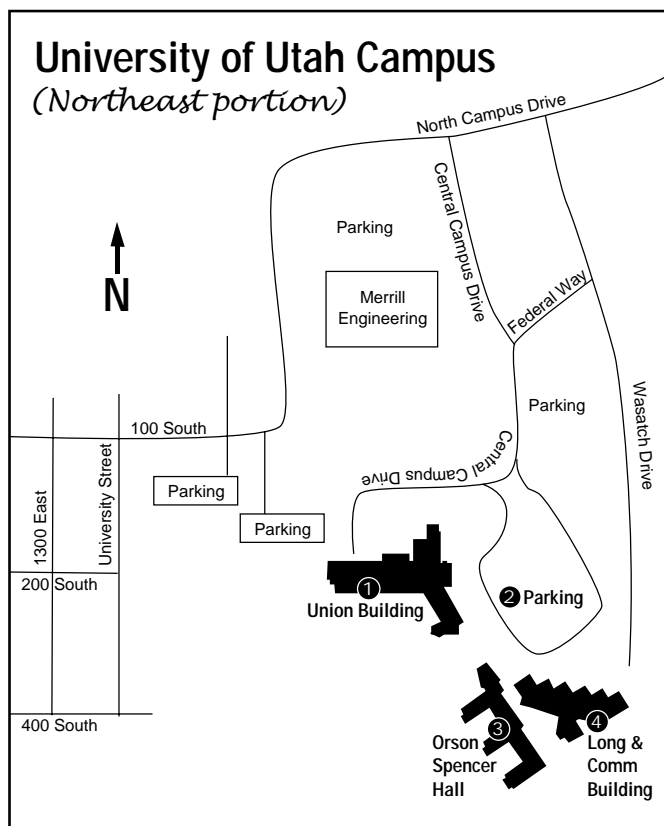
Invited Addresses

Robert Burton, Oregon State University, *Title to be announced.*

Michael Kapovich, University of Utah, *Title to be announced.*

Richard Wentworth, University of California, Irvine, *Title to be announced.*

Maciej Zworski, University of California, Berkeley, *Title to be announced.*



Special Sessions

Arithmetical Algebraic Geometry (Code: AMS SS B1), **Minhyong Kim**, University of Arizona, and **Wieslawa Niziol**, University of Utah.

Commutative Algebra (Code: AMS SS C1), **Paul Roberts**, University of Utah, and **Roger Wiegand**, University of Nebraska.

Complex Variables and Operator Theory (Code: AMS SS A1), **Siqi Fu**, **Farhad Jafari**, and **Peter Polyakov**, University of Wyoming.

Ergodic Theory of Stochastic Processes (Code: AMS SS D1), **Stewart N. Ethier** and **Davar Khoshnevisan**, University of Utah.

Microlocal Analysis and Applications (Code: AMS SS E1), **Gunther Uhlmann**, University of Washington, and **Maciej Zworski**, University of California, Berkeley.

Numerical Methods for Partial Differential Equations (Code: AMS SS F1), **Benito Chen** and **Junping Wang**, Institute for Scientific Study, University of Wyoming.

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 August 24.**

Doubletree Hotel, 255 South West Temple, Salt Lake City, UT; 801-328-2000; \$89/single or double.

Marriott Residence Inn-Trolley Square, 765 East 400 South, Salt Lake City, UT; 801-532-5511 or 800-331-3131; \$69/single or double and \$10/for 3rd guest.

Quality Inn City Center, 154 West 600 South, Salt Lake City, UT; 800-521-9997 or 801-521-2930; \$58/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. Food service will also be available in the Oplin Union Building.

Local Information

Please visit the Web site maintained by the Department of Mathematics at www.math.utah.edu/, the University of Utah Web site www.utah.edu/, or Salt Lake Convention and Visitors Bureau site at 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 is available in the lot adjacent to the Oplin Union Building.

Registration and Meeting Information

The registration desk will be located in the Saltair Room of the Oplin Union Building, and will be open 8:00 a.m. to 4:30 p.m. on Saturday, and 8:00 a.m. to noon on Sunday. Talks will take place in the following buildings: Long and Comm Hall and Orson Spencer Hall.

Registration fees: (payable on-site only) \$30/AMS or CMS members; \$45/nonmembers; \$10/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: Interstate 15 (I-15), the freeway that links Salt Lake City to Idaho and Southern Utah, is currently undergoing renovation. The 16.5 miles of freeway closest to Salt Lake City are being rebuilt. For more information, check the I-15 Web site at www.I-15.com/. For daily updates, call 888-INFO-I15 (888-463-6415).

Weather

Temperatures vary from 80° F to 50° F in September. 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: <http://www.visitsaltlake.com/>.

Providence, Rhode Island

Providence College

October 2–3, 1999

Meeting #947

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: August 1999

Program first available on eMATH: August 25, 1999

Program issue of electronic *Notices*: December 1999

Issue of *Abstracts*: Volume 20, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: June 16, 1999

For abstracts: August 11, 1999

Invited Addresses

Dan M. Barbasch, Cornell University, *Title to be announced.*

Henri Berestycki, Université Paris VI and École Normale Supérieure, *Title to be announced.*

David Mumford, Brown University, *Title to be announced.*

Guoliang Yu, University of Colorado, *Title to be announced.*

Special Sessions

Algebraic Dynamics (Code: AMS SS G1), **Jonathan Lubin** and **Joseph H. Silverman**, Brown University.

Algebraic and Geometric Combinatorics (Code: AMS SS A1), **Vesselin N. Gasharov**, Cornell University, and **Ira M. Gessel**, Brandeis University.

Difference Equations and Applications (Code: AMS SS E1), **Gerasimos Ladas**, University of Rhode Island, and **Jeffrey T. Hoag**, Providence College.

Geometric Properties of Nonlinear Elliptic PDEs (Code: AMS SS K1), **Henri Berestycki**, Université Paris VI and École Normale Supérieure, and **Yanyan Li**, Rutgers University.

Geometry and Representation Theory of Algebraic Groups (Code: AMS SS C1), **James E. Humphreys** and **Ivan Mirkovic**, University of Massachusetts.

Mathematical and Statistical Aspects of Vision (Code: AMS SS H1), **David Mumford**, **Donald E. McClure**, and **Stuart A. Geman**, Brown University.

Number Theory (Code: AMS SS J1), **Michael I. Rosen** and **Siman Wong**, Brown University.

Operator K-Theory and its Applications to Geometry and Topology (Code: AMS SS D1), **Guoliang Yu**, **Carla E. Farsi**, and **Jeffrey S. Fox**, University of Colorado, Boulder.

Representation Theory of Reductive Groups (Code: AMS SS B1), **Dan M. Barbasch** and **Birgit Speh**, Cornell University.

The History of Mathematics (Code: AMS SS F1), **Daniel Otero**, Xavier University, and **C. Edward Sandifer**, Western Connecticut State University.

Austin, Texas

University of Texas-Austin

October 8–10, 1999

Meeting #948

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: June/July 1999

Program first available on eMATH: August 25, 1999

Program issue of electronic *Notices*: December 1999

Issue of *Abstracts*: Volume 20, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: June 16, 1999

For abstracts: August 11, 1999

Invited Addresses

Mikhail Kapranov, Northwestern University, *Title to be announced.*

John Roe, Oxford and Pennsylvania State University, *Large scale geometric invariants of elliptic operators.*

Catherine Sulem, University of Toronto, *The nonlinear Schrodinger equation: Self-focusing and wave collapse.*

Tatiana Toro, University of Washington, *Characterization of non-smooth domains via potential theory.*

Special Sessions

Aperiodic Tiling (Code: AMS SS D1), **Charles Radin** and **Lorenzo Sadun**, University of Texas, Austin.

Banach and Operator Spaces: Isomorphic and Geometric Structure (Code: AMS SS E1), **Edward Odell** and **Haskell P. Rosenthal**, University of Texas, Austin.

DNA Topology (Code: AMS SS J1), **Isabel K. Darcy**, University of Texas, Austin, and **Makkuni Jayaram**, University of Texas, Austin.

Dehn Surgery and Kleinian Groups (Code: AMS SS L1), **John Luecke** and **Alan Reid**, University of Texas, Austin.

Dynamical Systems (Code: AMS SS S1), **David Delatte**, **R. Daniel Mauldin**, **Mariusz Urbanski**, and **Luca Quardo Zamboni**, University of North Texas.

Free Surface Interfaces and PDEs (Code: AMS SS K1), **Kirk Lancaster**, Wichita State University, and **Thomas Vogel**, Texas A&M University.

Harmonic Analysis and PDEs (Code: AMS SS C1), **William Beckner** and **Luis A. Caffarelli**, University of Texas at Austin, **Toti Daskalopoulos**, University of California, Irvine, and **Tatiana Toro**, University of Washington.



Interconnections Among Diophantine Geometry, Algebraic Geometry, and Value Distribution Theory (Code: AMS SS Q1), **William Cherry**, University of North Texas, **Min Ru**, University of Houston, and **Felipe Voloch**, University of Texas, Austin.

Mathematical Problems in Transport Phenomena (Code: AMS SS M1), **Jose Antonio Carrillo** and **Irene M. Gamba**, University of Texas, Austin.

Mathematical and Computational Finance (Code: AMS SS H1), **Stathis Tompaidis**, University of Texas, Austin.

Nonlinear Dynamics (Code: AMS SS G1), **Robert J. McCann** and **Catherine Sulem**, University of Toronto.

Recent Developments in Index Theory (Code: AMS SS F1), **Daniel S. Freed**, University of Texas, Austin, and **John Roe**, Pennsylvania State University.

The Development of Topology in the Americas (Code: AMS SS A1), **Cameron Gordon**, University of Texas, Austin, and **Ioan Mackenzie James**, University of Oxford.

The Diverse Mathematical Legacy of Jean Leray (Code: AMS SS N1), **Eric M. Friedlander**, Northwestern University, and **Susan J. Friedlander**, University of Illinois, Chicago.

Theoretical, Computational and Experimental Aspects of Mechanics (Code: AMS SS P1), **Jerry Bona**, **Steven Levandosky**, and **Jiahong Wu**, University of Texas, Austin.

Topology of Continua (Code: AMS SS R1), **Wayne Lewis** and **Carl Seaquist**, Texas Tech University.

Wavelets and Approximation Theory (Code: AMS SS B1), **Don Hong**, Eastern Tennessee State University, and **Michael Prophet**, Murray 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. Participants will be exempt from city tax on hotel rooms. The AMS is not responsible for rate changes or for the quality of the accommodations.

Days Inn, 3105 N. IH 35, Austin, TX: 800-725-7666 or 512-478-1631; \$64/single and \$68/double; 3/4 mile to campus.

Doubletree Guest Suites, 303 W 15th Street, Austin TX; 800-222-8733 or 512-478-3562 or 512-478-7000; \$119 per suite; 3/4 mile to campus.

La Quinta Inn Capitol, 300 E. 11th Street; 800-531-5900 or 512-476-1166 or 512-476-6044; \$89/1-4 persons; 1 mile to campus.

Rodeway Inn, 29 N. IH 35, Austin, TX; 888-792-9466; \$54/single and \$58.50 double double; 1/2 mile to campus.

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 Web site maintained by the Department of Mathematics at www.ma.utexas.edu/, and the site maintained by the city of Austin www.ci.austin.tx.us/. Other useful sites are: <http://www.austin360.com/acvb/>, maintained by the Convention Bureau; <http://www.capmetro.austin.tx.us/>, maintained by Capital Metro, the transport authority, as well as: <http://www.austinlinks.com/>, <http://austin.citysearch.com/>, <http://www.auschron.com/>. Maps of the University, pictures of the buildings, schedules and maps for the University buses can be obtained from <http://www.utexas.edu/maps/main/>.

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 is available in the lot across from Burdine Hall and is available at no charge **after 4:00 p.m. on Friday and all day Saturday and Sunday**. Participants may also pay to park at any meter or in Parking Garage 1 located on San Jacinto.

Registration and Meeting Information

The registration desk will be located in Robert Lee Moore Hall, and will be open 1:00 p.m. to 5:00 p.m. on Friday and 8:00 a.m. to 4:30 p.m. on Saturday. Talks will take place in

the following buildings: Robert Lee Moore Hall (Special Sessions) and Burdine Hall (Invited Addresses).

Registration fees: (payable on-site only) \$30/AMS or CMS members; \$45/nonmembers; \$10/emeritus members, students, or unemployed mathematicians. Fees are payable by cash, check, VISA, MasterCard, Discover, or American Express.

Travel

Austin will be served by the Austin-Bergstrom International Airport which is scheduled to begin passenger service on Sunday, May 23, 1999. It is not far from the University and taxi rides should be reasonably priced.

Driving: If you are driving, the best way to reach the University is to take IH-35 and take the LBJ Library exit. Take 26th Street (a.k.a. Dean Keeton) west until you reach Speedway. RLM is on the corner of 26th Street and Speedway. The hotels with reservations are in the same general area. For convenient planning of driving routes please visit <http://www.mapblast.com/mapblast/>, which gives detailed driving directions in many cities, including Austin.

Weather

The weather in central Texas is notoriously unstable (especially in the fall), but it is not very extreme. Normally, it should be between 60° F and 80° F. Up-to-date information about the weather in Austin can be obtained from <http://www.accuweather.com/>. Some local TV stations carry online weather broadcasts. <http://www.kvue24.com/> and <http://www.keye42.com/>.

Charlotte, North Carolina

University of North Carolina, Charlotte

October 15–17, 1999

Meeting #949

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: August 1999

Program first available on eMATH: September 1, 1999

Program issue of electronic *Notices*: December 1999

Issue of *Abstracts*: Volume 20, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: June 23, 1999

For abstracts: August 18, 1999

Invited Addresses

Valery Alexeev, University of Georgia, *Title to be announced.*

Béla Bollobás, University of Memphis and Cambridge University, *Title to be announced.*

Konstantin M. Mischaikow, Georgia Institute of Technology, *Title to be announced.*

Yakov Sinai, Princeton University, *Title to be announced.*

Special Sessions

Algebraic Geometry (Code: AMS SS K1), **Valery Alexeev**, **William Graham**, **Roy C. Smith**, and **Robert Varley**, University of Georgia.

Commutative Algebra (Code: AMS SS B1), **Sarah Glaz**, University of Connecticut, and **Evan G. Houston** and **Thomas G. Lucas**, University of North Carolina at Charlotte.

Contemporary Methods in Dynamics and Differential Equations (Code: AMS SS J1), **Robert W. Ghrist** and **Konstantin M. Mischaikow**, Georgia Institute of Technology.

Gauge Theory and Low-Dimensional Topology (Code: AMS SS L1), **Eric P. Klassen**, Florida State University, and **Paul A. Kirk**, Indiana University.

Geometric Function Theory (Code: AMS SS H1), **David A. Heron**, University of Cincinnati, and **Shanshuang Yang**, Emory University.

Knot Theory and Its Applications (Code: AMS SS A1), **Yuan-nan Diao**, University of North Carolina at Charlotte.

Operator Theory, including Applications in Operator Algebras and Wavelets (Code: AMS SS F1), **Alan L. Lambert** and **Xingde Dai**, University of North Carolina at Charlotte.

Optimal Control and Computational Optimization (Code: AMS SS D1), **Mohammed A. Kazemi**, University of North Carolina at Charlotte, and **Gamal N. Elnagar**, University of South Carolina Spartanburg.

Set-Theoretic Topology (Code: AMS SS G1), **Ronald F. Levy**.

Spectral Theory of Differential Operators and Applications (Code: AMS SS C1), **Boris R. Vainberg** and **Stanislav Molchanov**, University of North Carolina at Charlotte.

Stochastic PDEs and Turbulence (Code: AMS SS E1), **Weinan E**, Courant Institute, New York University.

Stochastic Processes and Control (Code: AMS SS M1), **Volker Wihstutz** and **Alexander A. Yushkevich**, University of North Carolina at Charlotte.

Washington, District of Columbia

Marriott Wardman Park Hotel and Omni Shoreham Hotel

January 19–22, 2000

Note: This is a World Math Year 2000 (WMY2000) event.

Meeting #950

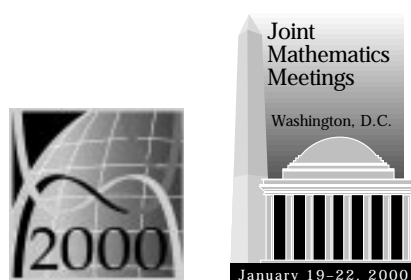
Joint Mathematics Meetings, including the 106th Annual Meeting of the AMS, 83rd Meeting of the Mathematical Association of America (MAA), with minisymposia and other special events contributed by the Society for Industrial and Applied Mathematics (SIAM), the annual meetings of the As-

sociation for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM).

Associate secretary: Bernard Russo
Announcement issue of *Notices*: October 1999
Program first available on eMATH: To be announced
Program issue of electronic *Notices*: January 2000
Issue of *Abstracts*: Volume 21, Issue 1

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: August 10, 1999
For abstracts: October 5, 1999
For summaries of papers to MAA organizers: September 9, 1999



Joint Special Sessions

Innovative Development Programs for Teaching Assistants and Part-Time Instructors (Code: AMS SS D1), **Suzanne M. Lenhart**, University of Tennessee. (AMS-MAA)

Linear Algebra and Optimization (Code: AMS SS C1), **Dianne P. O'Leary**, University of Maryland, College Park, and **Margaret H. Wright**, Bell Laboratories. (AMS-AWM-SIAM)

The History of Mathematics (Code: AMS SS E1), **Karen H. Parshall**, University of Virginia, and **David E. Zitarelli**, Temple University. (AMS-MAA)

AMS Invited Addresses

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

Thomas C. Hales, University of Michigan, Ann Arbor, *Title to be announced.*

Alexander R. Its, Indiana University-Purdue University Indianapolis, *Title to be announced.*

Arthur M. Jaffe, Harvard University, *Title to be announced* (AMS Retiring Presidential Address).

M. Lyubich, SUNY at Stony Brook, *Title to be announced.*

Roger Penrose, Oxford University, *Title to be announced* (AMS Josiah Willard Gibbs Lecture).

AMS Special Sessions

Mathematical Aspects of Consensus Theory (Code: AMS SS B1), **Melvin F. Janowitz**, University of Massachusetts, Amherst.

Mathematical Reviews (Code: AMS SS F1), **Jane E. Kister**, *Mathematical Reviews.*

The Feynman Integral and Applications (Code: AMS SS A1), **Michel L. Lapidus**, University of California, Riverside, and **Gerald W. Johnson**, University of Nebraska.

MAA Contributed Papers in Washington, D.C.

This preliminary announcement is designed to alert participants about the MAA's Contributed Paper Sessions and their deadlines. Please note that the dates scheduled for these sessions remain tentative. The organizers listed below solicit contributed papers pertinent to their sessions; proposals should be directed to the organizer whose name is followed by an asterisk (*). Sessions generally limit presentations to ten minutes, but selected participants may extend their contributions up to twenty minutes. For additional instructions, see the "Submission Procedures" at the end of the list.

Each session room contains an overhead projector and screen; blackboards will not be available. Persons needing additional equipment should contact, as soon as possible, and prior to October 5, 1999: the session organizer and Jim Tattersall, Department of Mathematics and Computer Science, Providence College, Providence, RI 02918, e-mail: tat@providence.edu.

The Use of History in the Teaching of Mathematics, Wednesday and Thursday mornings. This session invites contributions from individuals describing how they have used the history of mathematics in innovative ways in the classroom to motivate students or to support changes in curriculum and pedagogy. Ideas about the use of history to prepare future teachers are especially encouraged. Also invited are contributions discussing new and interesting ways of teaching history of mathematics classes. Ideas about how to get students actively involved are especially encouraged. **Florence Fasanelli** (*), College-University Resource Institute, Inc., 4711 Davenport St. NW, Washington, DC 29916, phone: 202-966-5591, e-mail: ffasanelli@juno.com; **V. Frederick Rickey**, U.S. Military Academy M.A. at West Point; and **Victor J. Katz**, University of the District of Columbia.

Integrating Mathematics and Other Disciplines, Wednesday and Thursday mornings. The session will present: discussions of 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, discussions of how applications of mathematics in other disciplines can be incorporated into mathematics courses in a way that enhances mathematical understanding, and 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. **William G. McCallum** (*), Department of Mathematics, University of Arizona, Tucson, AZ 85721, phone: 520-621-6886, fax: 520-621-8322, e-mail: wmc@math.arizona.edu; **Duff G. Campbell**, U.S.M.A. at West Point; **Deborah Hughes Hallett**, University of Arizona; **David C. Lay**, University of Mary-

land; **Nicholas Losito**, SUNY Farmingdale; **Jim Rolf**, U.S.M.A. at West Point; and **Yajun Yang**, SUNY Farmingdale.

Innovative Uses of the World Wide Web in Teaching Mathematics, Wednesday and Thursday mornings. 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, videoconferencing, or other topics of interest for educators who are currently using, or planning to use, the Web in their classes. **Brian E. Smith** (*), Department of Statistics, Faculty of Management, McGill University, 1001 Sherbrooke St. West, Montreal QC, Canada H3A 1G5, phone: 514-398-4038, fax: 514-398-3876, e-mail: smithb@management.mcgill.ca; and **Marcelle Bessman**, Jacksonville University.

Environmental Mathematics in the Classroom, Wednesday and Thursday mornings. Presentations are invited that apply mathematics to problems of the environment and that are suitable for classroom use. Also invited are papers that address the issue of infusing environmental awareness into the teaching community. This session is sponsored by the Committee for Mathematics in the Environment. **Ben Fusaro** (*), Department of Mathematics, Florida State University, Tallahassee, FL 32306, phone: 850-644-9717, fax: 850-644-4053, e-mail: fusaro@math.fsu.edu; and **Pat Kenschaft**, Montclair State University.

Interdisciplinary Applications for College Algebra, Wednesday and Thursday afternoons. The College Algebra Reform Movement has grown exponentially over the past few years. New courses have been developed featuring data analysis, discrete dynamical systems, real life applications, and modeling. Students are expected to use graphing calculators or computers in these courses. Pedagogical changes include small group work, out-of-class projects, and writing assignments. Interdisciplinary aspects appear in these reform courses through applications and group projects. The reformed courses are changing the role of college algebra from being a remedial course to being the core course in the noncalculus curriculum. Papers are invited on all aspects of reforming college algebra. **Donald B. Small** (*), Department of Mathematical Sciences, U.S. Military Academy, West Point, NY 10996, phone: 914-938-2227, fax: 914-938-2409, e-mail: don-small@usma.edu; **Della D. Bell**, Texas Southern University, and **Ahmad Kamalvand**, Houston-Tillotson College.

Interdisciplinary Collaborations to Improve Service Courses in Mathematics and Statistics, Wednesday and Thursday afternoons. We invite descriptions of collaborations with faculty and departments in other disciplines resulting in improvements to existing service courses in mathematics or statistics. Papers should describe a challenge faced for a particular service course, a resulting collaboration with faculty or a department in another discipline, subsequent changes in the service course, and the effects of the relationship between faculty and departments. **Linda H. Boyd** (*), Department of Mathematics, Georgia Perimeter College, 555 North Indian Creek Drive, Clarkston, GA 30021-2396, tel: 404-299-4167, fax: 404-

298-4815, e-mail: lboyd@gpc.peachnet.edu; and **Thomas L. Moore**, Grinnell College.

The Role of Mathematicians in the Development of Mathematics Teachers and Their Students, Thursday afternoon. Mathematicians have many opportunities to support and enhance the development of K-12 mathematics teachers and their students. This session invites papers that describe the substantive involvement of mathematicians throughout K-12 education, but especially in (a) planning and delivering professional development for inservice teachers; (b) developing or analyzing curricular/instructional/assessment materials for use in professional development with teachers or for use in classrooms with students, with particular attention to the mathematics presented; and (c) collaborating with mathematics educators and classroom teachers on "action research" (e.g., research based on reflection about teachers' practice), by providing a focus on and close attention to the mathematics involved. **Diane Spresser** (*), National Science Foundation, 4201 Wilson Boulevard, Room 885, Arlington, Virginia 22230, phone: 703-306-1613, fax: 703-306-0412, e-mail: dspresse@nsf.gov; **John S. Bradley**, National Science Foundation; and **Alfred B. Manaster**, University of California, San Diego.

Looking to Our Future: Recruiting and Preparing the Next Generation of Mathematics Teachers, Friday and Saturday mornings. Mathematicians and mathematics departments face the critical challenge of preparing the next generation of teachers of mathematics at the K-12 level. These sessions will illustrate ways this challenge is being met. The first session will address the role that mathematics departments at two-year colleges play in the initial recruitment and preparation of future teachers of mathematics. With their emphasis on teaching and ties to common education, departments at two-year colleges provide a unique atmosphere for attracting potential teachers to the subject matter as well as acting as a laboratory for modeling effective teaching techniques. The second session will address the role played by mathematics departments at four-year colleges and universities in the mathematical preparation of future teachers of mathematics. Mathematics departments provide opportunities for a content-rich atmosphere across a wide range of mathematics courses, reflective seminars, peer teaching programs and early field experiences particularly valuable for future teachers.

Papers that discuss effective collaborations across mathematics courses, departments, and institutions will be given special consideration, as will papers that address issues of preparation of middle grades teachers, programs for elementary mathematics specialists, and recruitment and retention of underrepresented minorities to teach mathematics. Specific details about programs and courses, with handouts, are strongly encouraged. **Jay A. Malmstrom** (*), Department of Mathematics, Oklahoma City Community College, 7777 S. May Avenue, Oklahoma City, OK 73159-4444, phone: 405-682-1611, ext. 7365; fax: 405-682-7585, e-mail: malmstrm@qns.com, Web: <http://www.unm.edu/~nmmatyc/maaform.htm>; **Gary L. Britton**, University of Wisconsin-Washington County; **Marjorie Enneking**, Portland State University; **James Loats**, Metropol-

itan State College of Denver; and **Mary Robinson**, University of New Mexico.

Establishing and Maintaining Undergraduate Research Programs in Mathematics, Friday and Saturday mornings. In recent years, there has been a growing interest in research in mathematics by undergraduates. We seek papers that address successes and difficulties in establishing, maintaining, funding, and assessing undergraduate research programs of all kinds, especially academic year programs. Descriptions and analyses of any efforts that support and encourage the involvement of students in mathematics research, including informal programs, mentoring individual students, conferences and meetings involving students, REU programs and non-REU formal programs are welcome. **Emelie Kenney** (*), Department of Mathematics, Siena College, Loudonville, NY 12211, phone: 518-783-2913, fax: 518-783-4293, e-mail: kenney@siena.edu; **Joseph A. Gallian**, University of Minnesota, Duluth; and **Daniel J. Schaal**, South Dakota State University.

Innovations in the Use of Technology in Teaching Ordinary and Partial Differential Equations, Friday and Saturday afternoons. This session invites papers on recent innovations in the effective use of technology in teaching ordinary and partial differential equations. A great deal of attention has been focused on using Computer Algebra Systems (CAS's) to teach mathematics at the calculus level. However, many upper level mathematics courses can also be significantly enhanced with technology. In particular, instructors can exploit visualization and algebra capabilities to support their instruction. Additionally, students can take advantage of technology in self explorations, active learning or cooperative learning modules which complement the Calculus Reform Movement. We are looking for novel and proven methods for incorporating technology in the teaching of ordinary and partial differential equations. Effective projects requiring the use of CAS's, especially those of an interdisciplinary nature are welcome. **Timothy J. McDevitt** (*), Department of Mathematics, Millersville University, Millersville, PA 17551, phone: 717-872-3957, fax: 717-871-2320, e-mail: tmcdevitt@cs.millersv.edu; **Elias Y. Deeba**, University of Houston-Downtown; and **Richard J. Marchand**, U.S. Military Academy at West Point.

Math and Math Sciences in 2010: What should Graduates Know?, Friday and Saturday afternoons. The third millennium confronts us with the need to prepare our students for new challenges. Identifying these challenges will guide mathematics departments in setting, addressing, and meeting goals. A broad look at the undergraduate curriculum is particularly timely after over a decade of innovation and debate about content and pedagogy in specific courses. This session presents a panel of commentators on these issues and invites talks of two kinds: "think pieces" on what our majors should know and examples of successful mathematics programs. Research on the preparation of graduates for the workplace and/or post-BA study and examples of collaboration with employers or those in mathematics-using fields are encouraged. This session is organized on behalf of the MAA Committee on the Undergraduate Program in Mathematics (CUPM). **Herbert E. Kasube** (*), Department of Mathematics, Bradley University, Peoria, IL

61625, phone: 309-677-2505, fax: 309-677-2330, e-mail: hkasube@bradley.bradley.edu; and **Harriet S. Pollatsek**, Mount Holyoke College.

Teaching Statistical Reasoning, Friday and Saturday afternoons. Statistical reasoning encompasses more than just calculating p-values and confidence intervals—it includes formulating questions, designing experiments, choosing appropriate techniques, and communicating results. Authors will discuss experiences teaching statistical reasoning in a variety of undergraduate settings, including introductory statistics courses, team-taught courses with other departments, a segment of a math-for-liberal-arts courses, or new courses such as "statistics for humanists." There are no restrictions on the techniques used to teach the reasoning, but the emphasis should be on teaching the reasoning. **K.L.D. Gunawardena** (*), Department of Mathematics, University of Wisconsin Oshkosh, Oshkosh, WI 54901, phone: 920-424-1056, fax: 920-424-7317, e-mail: gunaward@uwosh.edu; **Nkechi M. Agwu**, Borough of Manhattan Community College; and **Mary Sullivan**, Rhode Island College.

Research on the Use of Hand-Held Technology in Teaching Mathematics, Saturday afternoon. For more than a decade, instructors have been teaching mathematics with graphing calculators. In that time, improvements in design and capabilities have expanded the range of calculator use from computation and function graphing to symbol manipulation and geometric constructions; yet, researchers are only beginning to explore the effects of these advanced technologies on teaching and learning. What have we learned about using calculators in mathematics instruction? This session seeks papers about research on the use of hand-held technology in the teaching of mathematics. Reports of studies using either quantitative or qualitative methodologies are welcome, but anecdotal information is not the focus of this session. Preference will be given to recent investigations, research involving undergraduate mathematics instruction, and studies of newer technologies with advanced capabilities. **Deborah A. Crocker** (*), Department of Mathematical Sciences, Appalachian State University, Boone, NC, phone: 828-262-2381, fax: 828-265-8617, e-mail: crockerda@appstate.edu; and **Penelope H. Dunham**, Muhlenberg College.

Submission Procedures for MAA Contributed Papers

Send the name(s) and address(es) of the author(s) and a one-page summary of your paper directly to the organizer indicated with an (*). 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.

Your summary must reach the designated organizer by **Thursday, September 9, 1999**. Submission of proposals via e-mail is preferred. The organizer will acknowledge receipt of all summaries. If the organizer accepts your paper, you will receive instructions about preparing an abstract. Please submit completed abstracts to the AMS by Tuesday, October 5, 1999. Abstracts received after the deadline will not be published in the booklet of abstracts available in

the meetings registration area during the meeting in Washington, D.C.

Santa Barbara, California

University of California, Santa Barbara

March 11–12, 2000

Meeting #951

Western Section

Associate secretary: Bernard Russo

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: June 11, 1999

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

For abstracts: To be announced

Lowell, Massachusetts

University of Massachusetts, Lowell

April 1–2, 2000

Meeting #952

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: July 1, 1999

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

For abstracts: To be announced

Invited Addresses

Walter Craig, Brown University, *Title to be announced.*

Erwin Lutwak, Polytechnic University, *Title to be announced.*

Alexander Nabutovsky, Courant Institute of Mathematical Sciences, NYU, *Title to be announced.*

Mary Beth Ruskai, University of Massachusetts, Lowell, *Title to be announced.*

Special Sessions

Invariance in Convex Geometry (Code: AMS SS A1), **Daniel A. Klain**, Georgia Institute of Technology, and **Elisabeth Werner**, Case Western Reserve University.

Quantum Information Theory (Code: AMS SS B1), **M. Beth Ruskai**, University of Massachusetts, Lowell, and **Christopher K. King**, Northeastern University.

Notre Dame, Indiana

University of Notre Dame

April 7–9, 2000

Meeting #953

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: July 7, 1999

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

For abstracts: To be announced

Special Sessions

Algebraic Geometry (Code: AMS SS F1), **Karen Chandler** and **Scott Nollet**, University of Notre Dame.

Commutative Algebra (Code: AMS SS A1), **Juan Migliore**, University of Notre Dame, and **Chris Peterson**, Washington University.

Differential Geometry and its Applications (Code: AMS SS B1), **Jianguo Cao**, **Brian Smyth**, and **Frederico Xavier**, University of Notre Dame.

Integrable Systems and Nonlinear Waves (Code: AMS SS E1), **Mark S. Alber** and **Gerard Misiolek**, University of Notre Dame.

Microlocal Analysis and Partial Differential Equations (Code: AMS SS D1), **Nicholas Hanges**, CUNY, Lehman College, and **Alex Himonas**, University of Notre Dame.

Optimization and Numerical Analysis (Code: AMS SS C1), **Leonid Faybusovich**, University of Notre Dame.

Lafayette, Louisiana

University of Southwestern Louisiana

April 14–16, 2000

Meeting #954

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced
 Program issue of electronic *Notices*: To be announced
 Issue of *Abstracts*: To be announced

Deadlines

For organizers: July 14, 1999
 For consideration of contributed papers in Special Sessions: To be announced
 For abstracts: To be announced

Special Sessions

Mathematical Models in the Biological and Physical Sciences (Code: AMS SS B1), **Lan Ke**, **Robert D. Sidman**, and **Azmy Simaan Ackleh**, University of Southwestern Louisiana.

Rings and Their Generalizations (Code: AMS SS A1), **Gary F. Birkenmeier** and **Henry E. Heatherly**, University of Southwestern Louisiana.

Odense, Denmark

Odense University

June 13–16, 2000

Meeting #955

First AMS-Scandinavian International Mathematics Meeting. Sponsored by the AMS, Dansk Matematisk Forening, Suomen matemaattinen yhdistys, Icelandic Mathematical Society, Norsk Matematisk Forening, and Svenska matematikersamfundet.

Associate secretary: Robert M. Fossum
 Announcement issue of *Notices*: N/A
 Program first available on eMATH: N/A
 Program issue of electronic *Notices*: N/A
 Issue of *Abstracts*: To be announced

Deadlines

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

Invited Addresses

Tobias Colding, Courant Institute, New York University, *Title to be announced.*

Nigel J. Hitchin, University of Oxford, *Title to be announced.*

Pertti Mattila, University of Jyväskylä, *Title to be announced.*

Curtis T. McMullen, Harvard University, *Title to be announced.*

Alexei N. Rudakov, Norwegian University of Science & Technology, *Title to be announced.*

Dan Voiculescu, University of California, Berkeley, *Title to be announced.*

Special Sessions

Algebraic Groups and Representation Theory, **Henning Haahr Andersen** and **Niels Lauritzen**, Aarhus University.

Differential Geometry, **Claude R. LeBrun**, State University of New York at Stony Brook, and **Peter Petersen**, University of California, Los Angeles.

Discrete Mathematics, **Iiro S. Honkala**, University of Turku, and **Carsten Thomassen**, Technical University of Denmark.

Dynamical Systems, **Michael Benedicks**, Royal Institute of Science, Stockholm, and **Carsten Lunde Petersen**, Roskilde.

Geometric Analysis/PDE, **Gerd Grubb**, University of Copenhagen, and **Bent Orsted**, Odense University.

K-Theory and Operator Algebras, **Soren Eilers**, University of Copenhagen, and **Nigel D. Higson**, Pennsylvania State University.

Mathematical Physics, **Bergfinnur Durhuus**, University of Copenhagen.

Stochastic DE and Financial Mathematics, **Tomas Björk**, University of Stockholm, and **Bernt Oksendal**, University of Oslo.

Los Angeles, California

University of California-Los Angeles

August 7–12, 2000

Note: This is a World Math Year 2000 (WMY2000) event.



Meeting #956

Associate secretary: Robert J. Daverman
 Announcement issue of *Notices*: To be announced
 Program first available on eMATH: To be announced
 Program issue of electronic *Notices*: To be announced
 Issue of *Abstracts*: To be announced

Deadlines

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

Invited Addresses

James G. Arthur, University of Toronto, *will speak on automorphic forms and the Langlands program.*

Michael V. Berry, H. H. Wills Physics Laboratory, *will speak on waves, geometry, and arithmetic.*

David Leigh Donoho, Stanford University, *Topic to be announced.*

Helmut H. W. Hofer, New York University-Courant Institute, *will speak on symplectic geometry/dynamical systems.*

Richard M. Karp, University of Washington, *will speak on computational molecular biology.*

Peter D. Lax, New York University-Courant Institute, *will speak on mathematics and computing.*

László Lovász, Yale University, *will speak on discrete mathematics and algorithms.*

David Mumford, Brown University, *will speak on models of perception and inference.*

Iakov G. Sinai, Princeton University, *will speak on dynamical systems.*

Karen Uhlenbeck, University of Texas, Austin, *Topic to be announced.*

Edward Witten, Institute for Advanced Study, *will speak on the mathematical impact of quantum fields and strings.*

Shing-Tung Yau, Harvard University, *will speak on geometry and its relation to physics.*

See "AMS Meeting in August 2000", *Notices* March 1999, p. 355.

Toronto, Ontario Canada

University of Toronto

September 22–24, 2000

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: December 22, 1999

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

For abstracts: To be announced

San Francisco, California

San Francisco State University

October 21–22, 2000

Western Section

Associate secretary: Bernard Russo

Announcement issue of *Notices*: June 2000

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: February 21, 2000

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

For abstracts: To be announced

New York, New York

Columbia University

November 3–5, 2000

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: February 3, 2000

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

For abstracts: To be announced

Invited Addresses

Paula Cohen, Université des Sciences et Technologies de Lille, France, *Title to be announced.*

Birmingham, Alabama

University of Alabama-Birmingham

November 10–12, 2000

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 10, 2000

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

For abstracts: To be announced

New Orleans, Louisiana

New Orleans Marriott and ITT Sheraton New Orleans Hotel

January 10–13, 2001

Joint Mathematics Meetings, including the 107th Annual Meeting of the AMS, 84th 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).

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 11, 2000

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

Columbia, South Carolina

University of South Carolina

March 16–18, 2001

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: June 15, 2000

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

For abstracts: To be announced

Lawrence, Kansas

University of Kansas

March 30–31, 2001

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: June 28, 2000

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

For abstracts: To be announced

Hoboken, New Jersey

Stevens Institute of Technology

April 28–29, 2001

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: July 28, 2000

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

For abstracts: To be announced

Lyon, France

July 17–20, 2001

First Joint International Meeting between the AMS and the Société Mathématique de France.

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on eMATH: 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

Williamstown, Massachusetts

Williams College

October 13–14, 2001

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: January 11, 2001

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

For abstracts: To be announced

San Diego, California

San Diego Convention Center

January 6–9, 2002

Joint Mathematics Meetings, including the 108th Annual Meeting of the AMS and 85th Meeting of the Mathematical Association of America (MAA).

Associate secretary: John L. Bryant

Announcement issue of *Notices*: To be announced

Program first available on eMATH: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

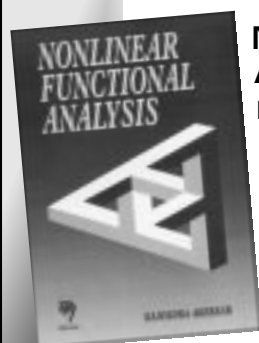
For organizers: April 4, 2001

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

AMERICAN MATHEMATICAL SOCIETY



Supplementary Reading

Nonlinear Functional Analysis

Rajendra Akerkar, *Chh. Shahu Central
Institute of Business Education and
Research, Kolhapur, India*

A publication of Narosa Publishing House.

This book presents background for the solution of nonlinear equations in Banach spaces. It contains basic techniques in nonlinear analysis and also touches upon today's research. The book deals with recent topics, such as measures on non-compactness, topological degree, and bifurcation theory. It can be used as a text and as a reference source for students and researchers.

Distributed by the AMS exclusively in North America and Europe and non-exclusively elsewhere.

Narosa Publishing House; 1999; 157 pages; Softcover; ISBN 81-7319-230-8; List \$27; All AMS members \$22; Order code NAR/4NA



All prices subject to change. Charges for delivery are \$3.00 per order. For optional air delivery outside of the continental U. S., please include \$6.50 per item. *Prepayment required.* Order from: **American Mathematical Society**, P. O. Box 5904, Boston, MA 02206-5904, USA. For credit card orders, fax 1-401-455-4046 or call toll free 1-800-321-4AMS (4267) in the U. S. and Canada, 1-401-455-4000 worldwide. Or place your order through the AMS bookstore at www.ams.org/bookstore/. Residents of Canada, please include 7% GST.