
Meetings & Conferences of the AMS

IMPORTANT INFORMATION REGARDING MEETINGS PROGRAMS: AMS Sectional Meeting programs do not appear in the print version of the *Notices*. However, comprehensive and continually updated meeting and program information with links to the abstract for each talk can be found on the AMS website. See <http://www.ams.org/meetings/>. Programs and abstracts will continue to be displayed on the AMS website in the Meetings and Conferences section until about three weeks after the meeting is over. Final programs for Sectional Meetings will be archived on the AMS website in an electronic issue of the *Notices* as noted below for each meeting.

Atlanta, Georgia

Georgia Institute of Technology

March 8–10, 2002

Meeting held in conjunction with the Mathematical Association of America.

Meeting #975

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: January 2002

Program first available on AMS website: January 31, 2002

Program issue of electronic *Notices*: May 2002

Issue of *Abstracts*: Volume 23, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: Expired

Invited Addresses

Georgia Benkart, University of Wisconsin, Madison, *Going up and down*.

Robert L. Bryant, Duke University, *De-prescribing the shape of surfaces*.

Johnny Henderson, Auburn University, *Uniqueness implies existence for solutions of boundary value problems for dynamic equations on time scales*.

Nigel J. Kalton, University of Missouri, Columbia, *Banach space theory, sectorial operators and partial differential equations*.

James G. Oxley, Louisiana State University, *The interplay between graphs and matroids*.

Special Sessions

Algebraic Combinatorics, **Mihai A. Ciucu**, Georgia Institute of Technology.

Automated Reasoning in Mathematics and Logic, **Johan G. F. Belinfante**, Georgia Institute of Technology.

Banach Spaces and Their Applications, **Peter G. Casazza** and **N. J. Kalton**, University of Missouri-Columbia.

Bridges from 'Applied' to 'Mathematics', **Peter Mucha**, **John A. Pelesko**, **John E. McCuan**, and **Guillermo H. Goldsztein**, Georgia Institute of Technology.

Collaborative Learning Classroom Activities, **Sabrina A. Hessinger**, Armstrong Atlantic State University.

Combinatorics and Graph Theory, **John M. Harris**, Furman University.

Computation in the Mathematical Sciences, **Sabrina A. Hessinger**, Armstrong Atlantic State University, and **Mark D. Cawood**, Clemson University.

Dynamic Equations on Time Scales, **Martin J. Bohner**, Florida Institute of Technology, and **Billur Kaymakçalan**, Georgia Southern University.

Elementary Mathematical Modeling, **Mary Ellen Davis**, Georgia Perimeter College.

Frames, Wavelets, and Operator Theory, **Christopher E. Heil** and **Yang Wang**, Georgia Institute of Technology.

Graphs and Matroids, **James G. Oxley** and **Bogdan Oporowski**, Louisiana State University, and **Robin Thomas**, Georgia Institute of Technology.

Harmonic Analysis, **Gerd Mockenhaupt** and **Michael T. Lacy**, Georgia Institute of Technology, and **Akos Magyar**, University of Georgia.

Introductory/Elementary Statistics, **Patricia G. Monroe**, Greenville Technical College.

Knot Theory, 3-Manifolds, 4-Manifolds, and Geometric Group Theory, **Wolfgang H. Heil**, Florida State University, and **Jose Carlos Gómez-Larrañaga**, CIMAT, Mexico.

Linear Algebra and Matrix Theory, **Frank J. Hall** and **Zhongshan Li**, Georgia State University.

Mathematical Models in Biology, **Robert D. Fray**, Furman University.

Number Theory, **David Penniston**, Furman University.

Numerical Linear Algebra and Its Applications, **Michele Benzi**, Emory University, **Steven B. Damelin**, Georgia Southern University, and **James Nagy**, Emory University.

Probability and Combinatorics, **Russell D. Lyons** and **Prasad V. Tetali**, Georgia Institute of Technology.

Quantum Structures, **Alexander G. Wilce**, Juniata College, **Richard J. Greechie**, Louisiana Technical University, and **Franklin E. Schroeck**, Florida Atlantic University.

Real World Applications of Mathematics, **Mark C. Ginn**, Appalachian State University.

Research on the Mathematical Education of Undergraduates, **Joe Wimbish**, Huntingdon College.

Symplectic and Contact Topology, **Margaret Symington**, Georgia Institute of Technology, and **Gordana Matic**, University of Georgia.

Technology and Distance Learning, **Tom Morley**, Georgia Institute of Technology, and **Martha Abel**, Georgia Southern University.

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*: March 2002

Program first available on AMS website: March 21, 2002

Program issue of electronic *Notices*: July 2002

Issue of *Abstracts*: Volume 23, Issue 3

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: March 12, 2002

Invited Addresses

Nicholas M. Ercolani, University of Arizona, *Title to be announced.*

Lars Hesselholt, Massachusetts Institute of Technology, *Title to be announced.*

Niky Kamran, McGill University, *Title to be announced.*

Rafael de la Llave, University of Texas at Austin, *Title to be announced.*

Special Sessions

Asymptotics for Random Matrix Models and Their Applications (Code: AMS SS J1), **Nicholas M. Ercolani**, University of Arizona, and **Kenneth T.-R. McLaughlin**, University of North Carolina at Chapel Hill and University of Arizona.

Combinatorial Hopf Algebras (Code: AMS SS C1), **Marcelo Aguiar**, Texas A&M University, and **François Bergeron** and **Christophe Reutenauer**, Université du Québec à Montréal.

Combinatorial and Geometric Group Theory (Code: AMS SS A1), **Olga G. Kharlampovich**, McGill University, **Alexei Myasnikov** and **Vladimir Shpilrain**, City College, New York, and **Daniel Wise**, McGill University.

Commutative Algebra and Algebraic Geometry (Code: AMS SS G1), **Irena Peeva**, Cornell University, and **Hema Srinivasan**, University of Missouri-Columbia.

Curvature and Topology (Code: AMS SS E1), **Regina Rotman**, Courant Institute, New York University, **Christina Sormani**, Lehman College, CUNY, and **Kristopher R. Tapp**, SUNY at Stony Brook.

Function Spaces in Harmonic Analysis and PDEs (Code: AMS SS D1), **Galia D. Dafni** and **Jie Xiao**, Concordia University.

Potential Theory (Code: AMS SS B1), **Paul M. Gauthier**, Université de Montréal, **K. Gowri Sankaran**, McGill University, and **David H. Singman**, George Mason University.

Shape Theory in Dynamics (Code: AMS SS F1), **Alex Clark**, University of North Texas, and **Krystyna M. Kuperberg**, Auburn University.

Spectral Geometry (Code: AMS SS H1), **Dmitry Jakobson**, McGill University, and **Yiannis Petridis**, McGill University and Centre de Recherches Mathématiques.

Pisa, Italy

June 12–16, 2002

Meeting #977

First Joint International Meeting between the AMS and the Unione Matematica Italiana.

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: March 2002

Program first available on AMS website: Not applicable

Program issue of electronic *Notices*: Not applicable

Issue of *Abstracts*: Not applicable

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: March 15, 2002

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, Politecnico of Torino, *Title to be announced.*

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

Giovanni Gallavotti, 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 Roma, *Title to be announced.*

Special Sessions

Advances in Complex, Contact and Symplectic Geometry, **Paolo De Bartolomeis**, University of Firenze, **Yakov Eliashberg**, Stanford University, **Gang Tian**, MIT, and **Giuseppe Tomassini**, Scuola Normale Superiore, Pisa.

Advances in Differential Geometry of PDEs and Applications, **Valentin Lychagin**, New Jersey Institute of Technology, and **Agostino Prastaro**, University of Roma, La Sapienza.

Algebraic Logic and Universal Algebra, **Paolo Agliano**, University of Siena, **Keith A. Kearnes**, University of Colorado, **Franco Montagna**, University of Siena, **Don Pigozzi**, Iowa State University, and **Aldo Ursini**, University of Siena.

Algebraic Vector Bundles, **Vincenzo Ancona**, University of Firenze, **Mohan Kumar**, Washington University, **Giorgio Maria Ottaviani**, University of Firenze, **Christopher Peterson**, Colorado State University, and **Prabhakar Rao**, University of Missouri.

Analytic Aspects of Convex Geometry, **Stefano Campi**, University of Modena, **Richard Gardner**, Western Washington

University, **Erwin Lutwak**, Polytechnic University Brooklyn, and **Alijosa Volcic**, University of Trieste.

Classification Theory and Topology of Algebraic Varieties, **Fabrizio Catanese**, University of Gottingen, **Janos Kollar**, Princeton University, and **Shing-Tung Yau**, Harvard University.

Commutative Algebra and the Geometry of Projective Varieties, **Ciro Ciliberto**, University of Roma II, **Anthony Geramita**, University of Genova, **Rick Miranda**, Colorado State University, and **Ferruccio Orecchia**, University of Napoli.

Commutative Algebra: Hilbert Functions, Homological Methods and Combinatorial Aspects, **Aldo Conca**, University of Genova, **Anna Guerrieri**, University of L'Aquila, **Claudia Polini**, University of Oregon, and **Bernd Ulrich**, Michigan State University.

Commutative Rings and Integer-valued Polynomials, **Stefania Gabelli**, University of Roma III, and **Thomas G. Lucas**, University of North Carolina Charlotte.

Complex, Contact and Quaternionic Geometry, **David E. Blair**, Michigan State University, and **Stefano Marchiafava**, University of Roma, La Sapienza.

Contemporary Developments in Partial Differential Equations and in the Calculus of Variations, **Irene Fonseca**, Carnegie Mellon University, and **Paolo Marcellini**, University of Firenze.

Didattica della Dimostrazione, **Ferdinando Arzarello**, University of Torino, **Guershon Harel**, Purdue University, and **Vincio Villani**, University of Pisa.

Dynamical Systems, **Antonio Giorgilli**, University of Milano-Bicocca, **Stefano Marmi**, Scuola Normale Superiore, Pisa, and **John Norman Mather**, Princeton University.

Elliptic Partial Differential Equations, **Angelo Alvino**, University of Napoli, **Luis Caffarelli**, University of Texas, **Giorgio Talenti**, University of Firenze, and **Vladimir Oliker**, Emory University.

Equazioni di Evoluzione Nonlineari, **Alberto Tesei**, University of Roma, La Sapienza, and **Wei-Ming Ni**, University of Minnesota, Minneapolis.

Free Boundary Problems, **Ricardo Horacio Nochetto**, University of Maryland, College Park, and **Augusto Visintin**, University of Trento.

Geometric Properties of Solutions to PDEs, **Donatella Danielli**, Purdue University, and **Sandro Salsa**, Politecnico of Milano.

Harmonic Analysis, **Fulvio Ricci**, Scuola Normale Superiore, Pisa, and **Elias M. Stein**, Princeton University.

Higher Dimensional Algebra, **John Baez**, University of California, Riverside, and **Giuseppe Rosolini**, University of Genova.

History of Mathematics, **Piers Bursil-Hall**, Cambridge University, **Enrico Giusti**, University of Firenze, and **James J. Tattersall**, Providence College.

Hyperbolic Equations, **Sergiu Klainerman**, Princeton University, and **Sergio Spagnolo**, University of Pisa.

Hyperbolic Systems of Conservation Laws, **Alberto Bressan**, SISSA, Trieste, and **Shi Jin**, University of Wisconsin.

Inverse Boundary Problems and Applications, **Giovanni Alessandrini**, University of Trieste, and **Gunther Uhlmann**, University of Washington.

Jump Processes in Option Pricing Theory, **Claudio Albanese**, University of Toronto, and **Marco Isopi**, University of Bari.

Kolmogorov Equations, **Giuseppe Da Prato**, Scuola Normale Superiore, Pisa, and **Nicolai V. Krylov**, University of Minnesota.

Logarithmic De Rham Cohomology and Dwork Cohomology, **Alan Adolphson**, Oklahoma State University, Stillwater, **Francesco Baldassarri**, University of Padova, **Arthur Ogus**, University of California Berkeley, and **Steven Sperber**, University of Minnesota, Minneapolis.

Mathematical Problems in Soft Matter Modelling, **Eugene C. Gartland**, Kent State University, and **Epifanio Virga**, University of Pavia.

Mathematical Problems in Transport Theory, **Carlo Cercignani**, Politecnico of Milano, and **Irene Gamba**, University of Texas.

Mathematical Schools: Italy and the United States at the Turn of the Twentieth Century, **Umberto Bottazzini**, University of Palermo, and **Karen Hunger Parshall**, University of Virginia.

Mathematics in Polymer Science, **Antonio Fasano**, University of Firenze, and **Kumbakonam R. Rajagopal**, Texas A&M University.

Microlocal Analysis and Applications to PDE, **Daniele Del Santo**, University of Trieste, **M. K. Venkatesha Murthy**, University of Pisa, and **Daniel Tataru**, Northwestern University.

Nonlinear Analysis, **Antonio Ambrosetti**, SISSA, Trieste, **Vieri Benci**, University of Pisa, **Haim Brezis**, Rutgers University, and **Paul Rabinowitz**, University of Wisconsin.

Nonlinear Elliptic and Parabolic Equations and Systems, **Gary Lieberman**, Iowa State University, and **Antonio Maugeri**, University of Catania.

Nonstandard Methods and Applications in Mathematics, **Alessandro Berarducci**, University of Pisa, **Nigel Cutland**, University of Hull, **Mauro Di Nasso**, University of Pisa, and **David Ross**, University of Hawaii.

Operator Algebras, **Sergio Doplicher**, University of Roma, La Sapienza, and **Edward George Effros**, University of California Los Angeles.

Optimization and Control, **Roberto Triggiani**, University of Virginia, and **Tullio Zolezzi**, University of Genova.

Partial Differential Equations of Mixed Elliptic-Hyperbolic Type and Applications, **Daniela Lupu**, Politecnico of Milano, **Cathleen S. Morawetz**, Courant Institute, and **Kevin R. Payne**, University of Milano.

Periodic Solutions of Differential and Difference Equations, **Massimo Furi**, University of Firenze, and **Mario Umberto Martelli**, Claremont McKenna College.

Poisson Geometry and Integrable Systems, **Franco Magri**, University of Milano, and **Ping Xu**, Pennsylvania State University.

Quantum Cohomology and Moduli Spaces, **Angelo Vistoli**, University of Bologna, and **Aaron Bertram**, University of Utah.

Scaling Limits and Homogenization Problems in Physics and Applied Sciences, **Mario Pulvirenti**, University of Roma, and **George Papanicolaou**, Stanford University.

Semigroups of Operators and Applications, **Francesco Altomare**, University of Bari, and **Frank Neubrander**, Louisiana State University.

Semigroups, Automata and Formal Languages, **Alessandra Cherubini**, Politecnico of Milano, and **John Meakin**, University of Nebraska-Lincoln.

Some Mathematics Around Composites, **Robert V. Kohn**, Courant Institute, and **Vincenzo Nesi**, University of Roma, La Sapienza.

Structured Matrix Analysis with Applications, **Dario Andrea Bini**, University of Pisa, and **Thomas Kailath**, Stanford University.

The Topology of 3-manifolds, **Ricardo Benedetti** and **Carlo Petronio**, University of Pisa, **Dale Rolfsen**, University of British Columbia, Vancouver, and **Jeffrey Weeks**, Canton, New York.

Variational Analysis and Applications, **Franco Giannessi**, University of Pisa, **Boris S. Mordukhovich**, Wayne State University, Detroit, **Biagio Ricceri**, University of Catania, and **R. Tyrrell Rockafellar**, University of Washington.

Viscosity Methods in PDEs and Applications, **Piermarco Cannarsa**, University of Roma II, **Italo Capuzzo Dolcetta**, University of Roma, La Sapienza, and **Panagiotis Souganidis**, University of Texas, Austin.

White Noise Theory and Quantum Probability, **Luigi Accardi**, University of Roma, Tor Vergata, and **Hui-Hsiung Kuo**, Louisiana State University.

Portland, Oregon

Portland State University

June 20–22, 2002

Meeting #978

Meeting held in conjunction with the Pacific Northwest Section of the Mathematical Association of America.

Western Section

Associate secretary: Bernard Russo

Announcement issue of *Notices*: April 2002

Program first available on AMS website: May 9, 2002

Program issue of electronic *Notices*: August 2002

Issue of *Abstracts*: Volume 23, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: April 30, 2002

For summaries of papers to MAA organizers: Various

Joint Invited Addresses

Kenneth A. Ribet, University of California Berkeley, *Title to be announced* (AMS-MAA Invited Address).

Invited Addresses

Edward B. Burger, Williams College, *Innovative Experiments...and how I survived them*; Friday evening at the MAA Banquet (MAA Polya Lecturer)

Richard W. Montgomery, University of California Santa Cruz, *Variational methods for the N-body problem*. (AMS)

Kenneth A. Ribet, University of California, Berkeley, Title to be announced; Friday, 1:30 p.m. (AMS-MAA)

Tina H. Straley, Executive Director of the MAA, *The MAA's role in the future of undergraduate mathematics*; Friday, 11:00 a.m. (MAA)

Edriss S. Titi, University of California Irvine, Title to be announced. (AMS)

Jim Valerio, Intel Desktop Architectural Lab, Improving pc graphics; Saturday, 1:30 p.m. (MAA)

Michael Wolf, Rice University, *Minimal surfaces, flat structures, and moduli spaces*. (AMS)

AMS Special Sessions

Algebraic Geometry and Combinatorics (Code: AMS SS B1), **Eric Babson** and **Rekha Thomas**, University of Washington, and **Sergey Yuzvinsky**, University of Oregon.

Association Schemes and Distance-Regular Graphs (Code: AMS SS J1), **John S. Caughman**, Portland State University, and **Paul M. Terwilliger**, University of Wisconsin.

Flat Structures, Moduli Spaces, and Minimal Surfaces (Code: AMS SS F1), **Matthias Weber**, Indiana University, and **Michael Wolf**, Rice University.

Low Dimensional Homotopy and Combinatorial Group Theory (Code: AMS SS H1), **F. Rudolf Beyl**, Portland State University, **Paul Latiolais**, Portland State University, **William A. Bogley**, Oregon State University, and **Micheal N. Dyer**, University of Oregon.

Mathematical Biology (Code: AMS SS D1), **Richard S. Gomulkiewicz**, Washington State University, and **Sebastian Schreiber**, Western Washington University.

Matroid Theory (Code: AMS SS E1), **Jennifer M. McNulty**, University of Montana, and **Nancy Ann Neudauer**, Pacific University.

Qualitative Properties and Applications of Functional Equations (Code: AMS SS A1), **Theodore A. Burton**, Southern Illinois University.

Quantum Topology (Code: AMS SS G1), **Douglas G. Bullock**, Boise State University, **Joanna M. Kania-Bartoszynska**, Boise State University, and **Uwe Kaiser**, Boise State University.

The Quintic Equation: Algebra and Geometry (Code: AMS SS C1), **Jerry Shurman**, Reed College, and **Scott Crass**, California State University, Long Beach.

AMS Contributed Paper Sessions

There will be sessions for ten-minute contributed talks, grouped by similar topic insofar as possible. See the electronic abstract submission instructions at <http://www.ams.org/abstracts/instructions.html>. Submitting via the website form is the easiest method. Please select AMS CP 1 as the event code for this session. The deadline for receipt of abstracts is April 30, 2002; this deadline will be strictly enforced.

MAA Minicourses

Four half-day minicourses will be given on Thursday. There is a registration fee of \$20 for each course, which is in addition to the general meeting fee. Please see detailed descriptions and instructions for how to register in advance (no later than June 1) at <http://www.mth.pdx.edu/pnwmaa-ams>.

What to Teach and How Not to Teach It, **Edward B. Burger**, Williams College.

Using Geometer's Sketchpad (Version 4) in Undergraduate Mathematics Courses, **Keith Leatham**, Portland State University.

Visualization in Mathematics: Using Proofs Without Words in Your Classroom, **Roger B. Nelsen**, Lewis & Clark College, and **Jeanette R. Palmiter**, Portland State University.

Senior Capstones: Meaningful Closure to the Undergraduate Experience, **Dusty E. Sabo** and **Kemble R. Yates**, Southern Oregon University.

MAA Sessions

General Sessions of Contributed Papers. Any participant may present fifteen-minute contributed talks. Proposals must be submitted no later than June 1. Undergraduates should submit proposals to **Curtis J. Feist**, Southern Oregon University, feistc@sou.edu. Other proposals should be submitted to **Ken Ross**, University of Oregon, ross@math.uoregon.edu.

Mathematically Inspired, Computer Generated Poster Art. **Jeffrey Ely**, Dept. of Mathematical Sciences, Lewis and Clark College, jeff@lclark.edu. The advent of inexpensive large format color printing affords another opportunity to explore the resonance between computer graphics and mathematics. Several such pieces, one of which won a "best poster of the day award" at SIGGRAPH 2000, will be displayed and the mathematical issues in their creation will be discussed. The talk is scheduled for 9:00–9:45 a.m. on Friday, but the gallery will be open from 8:00 to 10:50 a.m.

Innovations in Teaching Undergraduates. This session organized by **Monte Boisen**, University of Idaho, boisen@uidaho.edu, welcomes presentations that report on what institutions are doing to improve the teaching of undergraduate courses. Proposals, with a title and brief abstract, should be submitted to the organizer by April 15.

Mathematics Education Research, organizers **Barbara Edwards**, Oregon State University, edwards@math.orst.edu, and **Sam Hall**, Willamette University, shall@willamette.edu, welcome proposals, with a title and brief abstract, for

20-minute presentations on education research in undergraduate mathematics.

On Undergraduate Research: Programs That Work, organized by **Daniel Kim**, Southern Oregon University, Kimd@sou.edu. All proposals with short abstract should be sent to the organizer by April 15.

The Use of Technology in Community College Mathematics Courses (pre-algebra through linear algebra and differential equations). There will be several individual presentations, and a panel discussion with a question and answer session and audience discussion as well. Typical questions that will be addressed are: What do MAA and AMATYC have to say about the use of technology at this level? What is the guiding philosophy that calls for, or prohibits, the use of technology in various courses? At what point in the curriculum is it appropriate to start using technology and why? What special assessment issues are raised by using technology and how do people deal with these issues? What do departments do when their faculty members hold differing views on the use of technology? What do instructors and departments do to insure that all students have access to the required technology? This session will not focus on specific uses of technology in the classroom. Anyone interested in giving a brief (10- to 15-minute) presentation or in serving as a panel member should contact **Peter Haberman**, Portland Community College, phaberma@pcc.edu, by March 29.

Junior Faculty on their Research, **Jennifer Ann Firkins**, Linfield College, jfirkins@linfield.edu, is organizing this session. Proposals, with a title and brief abstract, should be submitted to the organizer by April 15.

Special Presentation on Assessment, **Bonnie Gold**, Monmouth University, bgold@monmouth.edu, will represent Supporting Assessment in Undergraduate Mathematics (SAUM), which is a three-year NSF-supported project to provide college math departments with reasons why they should integrate assessment of student learning into their instructional programs and how to do that. This 90-minute session will consist of three parts: 1) A PowerPoint presentation with discussion of assessment and the SAUM project, 2) Mini-minicourse on assessment with some take-home tools, 3) Open discussion about what is going on locally (in the PNW section of MAA) in assessment.

Accommodations

Participants should make their own arrangements directly with a hotel of their choice. Because of Portland's popularity as a tourist attraction, hotels may sell out early. Blocks of rooms have been reserved at special rates at the properties below for the nights of Thursday, Friday, and Saturday, June 20-22, 2002 (most properties will honor the special rate for Wednesday, June 19). Room rates do not include the tax of 11.5%. Please cite the group name **PSU Math** when making a reservation. Hotels have varying cancellation or early checkout penalties; be sure to ask details when making your reservation. The AMS and MAA are not responsible for rate changes or for the quality of the accommodations.

Days Inn City Center, 1414 S.W. Sixth, 503-221-1611 or 800-899-0248; \$89/one queen bed or two double beds;

complimentary parking, a pass for a nearby Fitness Center; full service restaurant; within walking distance to the PSU campus, about one quarter mile to the meeting site. Please cite reservation code PSU Math 06/02.

Doubletree Hotel-Portland Downtown, 310 S.W. Lincoln, 503-221-0450; \$74/two double beds or one king bed, additional person is \$15; restaurant on premises; heated swimming pool and exercise center; overnight parking is \$10/night; within easy walking distance to the PSU campus, less than one half mile to the meeting site. Please cite reservation code PSU Math.

Mallory Hotel, 729 S.W. 15th Avenue, 800-223-6311; \$75/one double bed, \$90/two twin beds or one queen, \$105/two double beds, \$120/two queen beds; \$135/king-sized bed; historic hotel featuring complimentary parking, in-room refrigerators (most rooms); about 1.2 miles from the meeting site on campus. Please cite reservation code PSU Math.

Portland State Campus: A very limited number of dormitory-style rooms are available for students (undergraduate or graduate) in **Ondine Hall** about one block from the meeting site. Rates for one or two persons per room are \$38/standard and \$46/deluxe. Each room has two twin beds, private bath, telephone, coffee maker, linens, and clock. Deluxe rooms include a television, refrigerator, and microwave. Parking is \$7/day. Please contact Katura Smith at 503-725-4336 or ksmith@chnw.pdx.edu and state you are with the PNW MAA/AMS Conference.

Downtown Value Inn, 415 S.W. Montgomery, 503-253-0578, \$45/night. Budget-minded participants may find it convenient. Although no special rates were negotiated, this is a small motel very close to campus with complimentary parking (see <http://www.downtownvalueinn.com>).

Food Service

Information will be available on site, in the program, and at the website maintained by the local organizers.

Local Information

See the websites maintained by the local organizers at <http://www.mth.pdx.edu/pnwams/> (this includes links to Portland state and maps) and the Portland Oregon Visitors Association at <http://www.pova.org/>.

Other Activities

Banquet: All are invited to this banquet at the Great China Seafood Restaurant on Friday at 7:00 p.m. The after-dinner speaker is Edward B. Burger, Williams College, *Innovative Experiments...and how I survived them*. The cost is \$18/person. Reservations must be made through advance registration (see below) no later than **June 1**.

Book Sales: Examine the newest titles from the AMS and the MAA! Several other publishers have been invited to participate in the exhibits. Many of the AMS books will be available at a special 50% discount available only at the meeting. Complimentary coffee will be served courtesy of AMS Membership Services. Exhibits will be located adjacent to on-site registration in Neuberger Hall.

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

Reception: All registered participants are invited to a reception on Thursday evening from 5:30 p.m. to 7:00 p.m. at the Simon Benson House on the PSU campus.

Project NExT (New Experiences in Teaching) is a professional development program for new college-level faculty interested in "improving the teaching and learning of undergraduate mathematics." The PNW Project NExT is an extension of the MAA sponsored national program to the sectional level, and is scheduling a program for Wednesday. More information can be found at: <http://www.math.umt.edu/pnwnext/>.

TOTOM: The Oregon Teachers of Teachers of Mathematics (TOTOM) will hold its annual meeting on Wednesday, June 19, at PSU. Proposals for workshops and 20-minute presentations on the education of public school mathematics teachers may be sent to Sam Hall (shall@willamette.edu) by April 1. A joint session with Project NExT Fellows is being considered for the afternoon.

Parking

Parking is available across from Neuberger Hall in Parking Structure I. Enter on 6th St. between Hall and Harrison. The cost is \$4/day for those who state they are with the PNW MAA/AMS conference (fees are higher otherwise). As parking is limited, participants are advised to carpool or take public transportation where possible.

Registration and Session Information

Registration fees (either in advance or on site) are \$35/AMS or MAA members; \$50/nonmembers; \$5/Students/unemployed/emeritus members. Students making a presentation and first-year members of the MAA section's Project NExT receive complimentary registration. In addition those celebrating exactly 25 years as a member of MAA receive special complimentary registration.

Participants may register in advance through the PSU website or on site at the meeting. Either way, the funds will be shared between the AMS and MAA using the same equitable formula. Advance registration will help the organizing committee in assigning session and event space appropriately. Advance registration payable by check or money order is available at <http://www.mth.pdx.edu/pnwmaa-ams>; the advance registration deadline is **June 1**. Note that if you plan to attend the banquet and/or register for a minicourse, **you must register in advance**.

On-site registration will take place on Thursday and Friday from 8:00 a.m. to 4:00 p.m. in the Atrium on the third floor of Neuberger Hall. On-site registration fees are payable by cash, check, VISA, MasterCard, Discover, or American Express.

Sessions will take place in Neuberger Hall and Smith Memorial Center.

Travel

The City of Portland is served by Portland International Airport (PDX) located about 20 miles from downtown. Service

to the downtown area is provided by the MAX light-rail Red Line service every 15 minutes from about 4:30 a.m. to 11:35 p.m. The trip takes about 38 minutes and costs \$1.55 one-way. Scheduled shuttle service via Greyline Express provides service to most downtown hotels, departing every 45 minutes, 5:00 a.m. to midnight. The trip takes from 20 to 40 minutes and costs \$15 (one-way) or \$22 (round-trip); discounts are available for seniors and children. Metered taxis provide door-to-door service 24 hours per day; the fare per vehicle is \$22 to \$28 one-way and takes about 20–40 minutes.

Travel to campus: For an area map, campus map, and driving directions to PSU see the Web page maintained by the local organizers.

Car rental: Special rates have been negotiated with **Avis Rent A Car** for the period June 13 to June 29, 2002, beginning at \$23.99/day for a subcompact car at the weekend rate (or beginning at \$33.99 weekday). 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, and return to the same renting location. Make reservations by calling 800-331-1600 or online at <http://www.avis.com>. Higher non-weekend and weekly rates are also available. Please quote **Avis Discount Number B159266** when making reservations.

Weather

June weather in Portland is delightful and temperatures usually range from a low of 53° to a high of 74°. Expect sunny skies with an occasional shower. A light jacket is needed in the evenings.

Boston, Massachusetts

Northeastern University

October 5–6, 2002

Meeting #979

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: August 2002

Program first available on AMS website: August 22, 2002

Program issue of electronic *Notices*: December 2002

Issue of *Abstracts*: Volume 23, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
June 18, 2002

For abstracts: August 13, 2002

Invited Addresses

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

Diane Henderson, Pennsylvania State University, *Title to be announced.*

Christopher K. King, Northeastern University, *Title to be announced.*

Xiaobo Liu, University of Notre Dame, *Title to be announced.*

Special Sessions

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

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

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

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

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

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

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

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

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

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

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

Madison, Wisconsin

University of Wisconsin-Madison

October 12–13, 2002

Meeting #980

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: August 2002

Program first available on AMS website: August 29, 2002

Program issue of electronic *Notices*: December 2002

Issue of *Abstracts*: Volume 23, Issue 4

Deadlines

For organizers: March 12, 2002

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

For abstracts: August 20, 2002

Invited Addresses

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

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

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

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

Special Sessions

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

Salt Lake City, Utah

University of Utah

October 26–27, 2002

Meeting #981

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: September 2002

Program first available on AMS website: September 16, 2002

Program issue of electronic *Notices*: January 2003

Issue of *Abstracts*: Volume 23, Issue 4

Deadlines

For organizers: March 26, 2002

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

For abstracts: September 4, 2002

Invited Addresses

Yakov Eliashberg, Stanford University, *Title to be announced.*

Hart F. Smith, University of Washington, *Title to be announced.*

Michael Ward, University of British Columbia, *Title to be announced.*

Amie Wilkinson, Northwestern University, *Title to be announced.*

Orlando, Florida

University of Central Florida

November 9–10, 2002

Meeting #982

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: September 2002

Program first available on AMS website: September 26, 2002

Program issue of electronic *Notices*: January 2003

Issue of *Abstracts*: Volume 23, Issue 4

Deadlines

For organizers: April 10, 2002

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

For abstracts: September 17, 2002

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*: October 2002

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 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 AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: August 14, 2002

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

For abstracts: To be announced

Bloomington, Indiana

Indiana University

April 4–6, 2003

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: September 4, 2002

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

For abstracts: To be announced

New York, New York

Courant Institute

April 12–13, 2003

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: September 12, 2002

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

For abstracts: To be announced

Seville, Spain

June 18–21, 2003

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

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: May 15, 2002

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

For abstracts: To be announced

Invited Addresses

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

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

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

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

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

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

Special Sessions

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

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

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

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

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

Mathematical Fluid Dynamics, **Diego Cordoba**, CSIC, Madrid, and Princeton University, and **Susan Friedlander**, University of Illinois, Chicago.

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

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

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

Binghamton, New York

SUNY-Binghamton

October 10–12, 2003

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: March 10, 2003

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

For abstracts: To be announced

Phoenix, Arizona

Phoenix Civic Plaza

January 7–10, 2004

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 2, 2003

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

Athens, Ohio

Ohio University

March 26–27, 2004

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: August 26, 2003

For consideration of contributed papers in Special Sessions:

To be announced

For abstracts: To be announced

Atlanta, Georgia

*Atlanta Marriott Marquis and
Hyatt Regency Atlanta*

January 5–8, 2005

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 5, 2004

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced