
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.

Baton Rouge, Louisiana

Louisiana State University

March 14–16, 2003

Meeting #984

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: January 2003

Program first available on AMS website: January 30, 2003

Program issue of electronic *Notices*: March 2003

Issue of *Abstracts*: Volume 24, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: Expired

Invited Addresses

Bruce K. Driver, University of California San Diego, *Heat equations on loop groups*.

Gunter Lumer, University of Mons-Hainaut, *Stability analysis, Paley-Wiener criteria, and related problems in material science/ecology*.

Barry M. McCoy, SUNY at Stony Brook, *Evaluation representations, Drinfeld polynomials, and Bethe's ansatz*.

Stephen C. Milne, The Ohio State University, *A new look at sums of squares, Jacobi elliptic functions, and Ramanujan's tau function*.

Special Sessions

Algebraic Number Theory and K-Theory, **Jurgen Hurrelbrink** and **Jorge F. Morales**, Louisiana State University, and **Robert Osburn**, McMaster University.

Applied Mathematics and Materials Science, **Robert Lipton**, **Stephen Shipman**, **Blaise Bourdin**, and **Yuri Antipov**, Louisiana State University.

Arrangements in Topology and Algebraic Geometry, **Daniel C. Cohen**, Louisiana State University, and **Alexander I. Suciu**, Northeastern University.

Asymptotic Analysis, Stability, and Generalized Functions, **Ricardo Estrada** and **Frank Neubrander**, Louisiana State University, and **Gunter Lumer**, University of Mons-Hainaut.

Commutative Ring Theory, **James B. Coykendall**, North Dakota State University, and **Bernadette Mullins**, Birmingham State College.

Frames, Wavelets, and Tomography, **Gestur Olafsson**, Louisiana State University.

Graphs and Matroids, **Bogdan S. Oporowski** and **James G. Oxley**, Louisiana State University.

Induced Representations: Connections to Graphs, Number Theory, Geometry, **J. William Hoffman**, **Robert V. Perlis**, and **Neal W. Stoltzfus**, Louisiana State University.

Low Dimensional Topology, **Oliver T. Dasbach**, **Patrick M. Gilmer**, and **Richard A. Litherland**, Louisiana State University.

Mathematical Techniques in Musical Analysis, **Judith L. Baxter**, University of Illinois at Chicago, and **Robert Peck**, Louisiana State University.

Q-Series in Number Theory and Combinatorics, **Mourad E. H. Ismail**, University of South Florida, and **Stephen C. Milne**, The Ohio State University.

The Role of Mathematics Departments in Secondary Education, **James J. Madden** and **Frank Neubrandner**, Louisiana State University.

Stochastic Analysis and Applications, **H.-H. Kuo** and **P. Sundar**, Louisiana State University.

Stochastics, Quantization, and Segal-Bargmann Analysis, **Bruce K. Driver**, University of California San Diego, **Brian C. Hall**, University of Notre Dame, and **Jeffrey J. Mitchell**, Baylor University.

Bloomington, Indiana

Indiana University

April 4–6, 2003

Meeting #985

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: February 2003

Program first available on AMS website: February 20, 2003

Program issue of electronic *Notices*: April 2003

Issue of *Abstracts*: Volume 24, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: Expired

Invited Addresses

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

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

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

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

Special Sessions

Algebraic Topology, **Randy McCarthy**, University of Illinois, Urbana-Champaign, and **Ayelet Lindenstrauss**, Indiana University.

Applications of Teichmüller Theory to Dynamics and Geometry, **Christopher M. Judge** and **Matthias Weber**, Indiana University.

Codimension One Splittings of Manifolds, **James F. Davis**, Indiana University, and **Andrew A. Ranicki**, University of Edinburgh.

Cryptography and Computational and Algorithmic Number Theory, **Joshua Holden** and **John Rickert**, Rose-Hulman Institute of Technology, **Jonathan Sorenson**, Butler University, and **Andreas Stein**, University of Illinois at Urbana-Champaign.

Differential Geometry, **Jiri Dadok** and **Bruce Solomon**, Indiana University, and **Ji-Ping Sha**, Indiana University.

Ergodic Theory and Dynamical Systems, **Roger L. Jones** and **Ayse A. Sahin**, DePaul University.

Extremal Combinatorics, **Dhruv Mubayi**, University of Illinois at Chicago, and **Jozef Skokan**, University of Illinois at Urbana-Champaign.

Geometric Topology, **Paul A. Kirk** and **Charles Livingston**, Indiana University.

Graph and Design Theory, **Atif A. Abueida**, University of Dayton, and **Mike Daven**, Mount Saint Mary College.

Graph Theory, **Tao Jiang**, **Zevi Miller**, and **Dan Pritikin**, Miami University.

Harmonic Analysis in the 21st Century, **Winston C. Ou** and **Alberto Torchinsky**, Indiana University.

Holomorphic Dynamics, **Eric D. Bedford** and **Kevin M. Pilgrim**, Indiana University.

Mathematical and Computational Problems in Fluid Dynamics and Geophysical Fluid Dynamics, **Roger Temam** and **Shouhong Wang**, Indiana University.

Operator Algebras and Free Probability, **Hari Bercovici**, Indiana University, and **Marius Dadarlat**, Purdue University.

Operator Algebras and Their Applications, **Jerry Kaminker** and **Ronghui Ji**, Indiana University-Purdue University Indianapolis.

Particle Models and Their Fluid Limits, **Robert T. Glassey** and **David C. Hoff**, Indiana University.

Probability, **Russell D. Lyons**, Indiana University, and **Robin A. Pemantle**, Ohio State University.

Recent Trends in the Analysis and Computations of Functional Differential Equations, **Paul W. Eloe** and **Qin Sheng**, University of Dayton.

Representations of Infinite Dimensional Lie Algebras and Mathematical Physics, **Katrina Deane Barron**, University of Notre Dame, and **Rinat Kedem**, University of Illinois, Urbana-Champaign.

Stochastic Analysis with Applications, **Jin Ma** and **Frederi Viens**, Purdue University.

Weak Dependence in Probability and Statistics, **Richard C. Bradley** and **Lanh T. Tran**, Indiana University.

New York, New York

Courant Institute

April 12–13, 2003

Meeting #986

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: February 2003

Program first available on AMS website: February 27, 2003

Program issue of electronic *Notices*: April 2003

Issue of *Abstracts*: Volume 24, Issue 3

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: February 18, 2003

Invited Addresses

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

John Etnyre, University of Pennsylvania, *Legendrian knots.*

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

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

Special Sessions

Algebraic Geometry, Integrable Systems, and Gauge Theory (Code: AMS SS C1), **Marcos Jardim** and **Eyal Markman**, University of Massachusetts, Amherst.

Algebraic and Topological Combinatorics (Code: AMS SS E1), **Eva-Maria Feichtner**, ETH, Zurich, Switzerland; and **Dmitry N. Kozlov**, University of Bern, Switzerland, and KTH, Stockholm, Sweden.

Analytical and Computational Methods in Electromagnetics (Code: AMS SS G1), **Alexander P. Stone**, University of New Mexico, and **Peter A. McCoy**, U. S. Naval Academy.

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

Contact and Symplectic Geometry (Code: AMS SS K1), **John B. Etnyre** and **Joshua M. Sabloff**, University of Pennsylvania.

Galois Module Theory and Hopf Algebras (Code: AMS SS F1), **Daniel R. Replogle**, College of Saint Elizabeth, and **Robert G. Underwood**, Auburn University.

The History of Mathematics (Code: AMS SS D1), **Patricia R. Allaire**, Queensborough Community College, CUNY, and **Robert E. Bradley**, Adelphi University.

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

Low-Dimensional Topology (Code: AMS SS M1), **James Conant**, Cornell University, **Slava Krushkal**, University of Virginia, and **Rob Schneiderman**, Courant Institute, NYU.

Nonlinear Partial Differential Equations in Differential Geometry (Code: AMS SS L1), **John C. Loftin** and **Mu-Tao Wang**, Columbia University.

Rigidity in Dynamics, Geometry, and Group Theory (Code: AMS SS J1), **David Fisher**, Herbert H. Lehman College, CUNY, and **Steven E. Hurder** and **Kevin M. Whyte**, University of Illinois at Chicago.

Topological Aspects of Complex Singularities (Code: AMS SS H1), **Sylvain E. Cappell**, Courant Institute, NYU, and **Walter D. Neumann** and **Agnes Szilard**, Barnard College, Columbia University.

San Francisco, California

San Francisco State University

May 3–4, 2003

Meeting #987

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: March 2003

Program first available on AMS website: March 20, 2003

Program issue of electronic *Notices*: May 2003

Issue of *Abstracts*: Volume 24, Issue 3

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: March 11, 2003

Invited Addresses

Joe P. Buhler, Reed College, *A problem in symmetric functions arising from phase determination in crystallography.*

Raymond C. Heitmann, University of Texas at Austin, *The direct summand conjecture in dimension three.*

Alexei Y. Kitaev, California Institute of Technology, *Quantum media and topological quantum computation.*

Arkady Vaintrob, University of Oregon, *Higher spin curves and Gromov-Witten theory.*

Special Sessions

Beyond Classical Boundaries of Computability (Code: AMS SS E1), **Mark Burgin**, University of California Los Angeles, and **Peter Wegner**, Brown University.

Combinatorial Commutative Algebra and Algebraic Geometry (Code: AMS SS C1), **Serkan Hosten**, San Francisco State University, and **Ezra Miller**, Mathematical Sciences Research Institute.

Commutative Algebra (Code: AMS SS L1), **Raymond C. Heitmann**, University of Texas at Austin, and **Irena Swanson**, New Mexico State University.

Efficient Arrangements of Convex Bodies (Code: AMS SS H1), **Dan P. Ismailescu**, Hofstra University, and **Włodzimierz Kuperberg**, Auburn University.

Geometry and Arithmetic over Finite Fields (Code: AMS SS G1), **Bjorn Poonen**, University of California Berkeley, and **Joe P. Buhler**, Reed College.

Gromov-Witten Theory of Spin Curves and Orbifolds (Code: AMS SS M1), **Tyler Jarvis**, Brigham Young University, **Takashi Kimura**, Boston University, and **Arkady Vaintrob**, University of Oregon.

The History of Nineteenth and Twentieth Century Mathematics (Code: AMS SS A1), **Shawnee McMurrin**, California State University, San Bernardino, and **James A. Tattersall**, Providence College.

Numerical Methods, Calculations and Simulations in Knot Theory and Its Applications (Code: AMS SS J1), **Jorge Alberto Calvo**, North Dakota State University, **Kenneth C. Millett**, University of California Santa Barbara, and **Eric J. Rawdon**, Duquesne University.

PDEs and Applications in Geometry (Code: AMS SS K1), **Qi S. Zhang**, University of California Riverside.

Q-Series and Partitions (Code: AMS SS B1), **Neville Robbins**, San Francisco State University.

Qualitative Properties and Applications of Functional Equations (Code: AMS SS F1), **Theodore A. Burton**, Southern Illinois University at Carbondale.

Topological Quantum Computation (Code: AMS SS D1), **Alexei Kitaev**, California Institute of Technology, and **Samuel J. Lomonaco**, University of Maryland, Baltimore County.

Accommodations

Participants should make their own arrangements directly with a hotel of their choice. Special rates have been negotiated at the hotels listed below. Rates quoted do not include sales tax of 10% plus a \$2 tourism assessment per room per night. The AMS is not responsible for rate changes or for the quality of the accommodations. When making a reservation, participants should state that they are with the American Mathematical Society group (AMS Meeting).

Days Inn, 2600 Sloat Blvd., San Francisco, CA; 415-665-9000. Rates start at \$89.25/single and \$106.25/double. Rates include a special discount of 15%. Reservations are on a space-available basis only, and participants must make reservations directly with this hotel, using the phone number listed in this announcement.

The Great Highway Inn, 1234 Great Highway, San Francisco, CA 94112; 800-624-6644, 415-731-6644; fax: 415-731-5309. Rates are \$98/single and \$125/double. Cancellation policy requires a 48-hour notice.

Sheraton Gateway Hotel-San Francisco Airport, 600 Airport Blvd., Burlingame, CA 94010; 650-340-8500; <http://www.sheratonsfo.com/>. Rate is \$100 single/

double. There is an additional \$15 fee per person for triple or quad occupancy.

Food Service

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

Local Information

Please visit the website maintained by San Francisco State University at <http://www.sfsu.edu/> and the site maintained by the San Francisco Convention and Visitors Bureau at <http://www.sfvistor.org/>.

Other Activities

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

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

TA Development Using Case Studies: A Workshop for Faculty. Organizer: Diane Herrmann, University of Chicago. Saturday, May 3.

Parking

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

Registration and Meeting Information

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

Registration Fees: (payable on-site only) \$40/AMS and CMS members; \$60/nonmembers; \$5/emeritus members, students, or unemployed mathematicians. Fees are payable by cash, check, VISA, MasterCard, Discover, or American Express.

Travel

By Air: The San Francisco International Airport (SFO) is served by all major airlines. Shuttles from the airport to the campus are available and cost \$12–\$15. Taxi service is approximately \$40 one way. If driving from the airport, go north on 101 to 380 North to 280 North. From 280 North follow the signs for 19th Ave. and SFSU. As the freeway ends, remain in the right lanes of traffic and exit onto Junipero Serra Blvd. From Junipero Serra turn left on Holloway Ave., then turn right onto Font Blvd., then right onto Lake Merced Blvd., and then right onto South State Street Drive. The university parking structure is on South State Street Drive.

Driving: From the North: Take Highway 101 South; cross the Golden Gate Bridge. Take 19th Ave./Highway 1 exit. Follow 19th Ave. to campus at Holloway Ave.

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

To get directly to the parking garage from 19th and Holloway, continue down Holloway to Font Blvd. Take a right on Font Blvd. until you come to Lake Merced Blvd. Take a right onto Lake Merced and then take another immediate right onto State Drive. The public parking garage is straight ahead.

From the East: Take I-80 West across the Bay Bridge to Highway 101 South. Take 101 South to I-280 toward Daly City. Take the Mission St./Daly City exit, bearing right onto Sagamore St. to Brotherhood Way to Junipero Serra Blvd. North. Take Junipero Serra Blvd. to Holloway Ave., turn left on Holloway Ave. to campus at 19th Ave. To get directly to the parking garage, stay on Brotherhood Way and turn right onto Lake Merced Blvd. Two stoplights up is the entrance to the public parking garage (turn right).

Car Rental: Special rates have been negotiated with Avis Rent A Car for the period April 26–May 11, 2003, beginning at \$23.99/day for a subcompact car at the weekend rate (the weekend rate is available from noon Thursday until midnight Monday). All rates include unlimited free mileage. Rates do not include state or local surcharges, tax, optional coverages, or gas refueling charges. Renter must meet Avis's age, driver, and credit requirements, and return to the same renting location. Make reservations by calling 800-331-1600 or online at <http://www.avis.com/>. Please quote **Avis Discount Number B159266** when making reservations.

Weather

The weather in May is variable, with temperatures from 70° F. to 85° F. The weather can turn cold, overcast, and windy due to the close proximity of the SFSU campus to the ocean.

Seville, Spain

June 18–21, 2003

Meeting #988

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

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: February 2003

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:

February 10, 2003

For abstracts: February 10, 2003

Invited Addresses

Xavier Cabre, Universidad Politècnica de Catalunya, 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 I. Zelmanov, Yale University, *Title to be announced.*

Special Sessions

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Boulder, Colorado

University of Colorado

October 2–4, 2003

Meeting #989

Joint Central/Western Sections

Associate secretaries: Susan J. Friedlander and Michel L. Lapidus

Announcement issue of *Notices*: August 2003

Program first available on AMS website: August 21, 2003

Program issue of electronic *Notices*: October 2003

Issue of *Abstracts*: Volume 24, Issue 4

Deadlines

For organizers: March 3, 2003

For consideration of contributed papers in Special Sessions:
June 6, 2003

For abstracts: August 12, 2003

Invited Addresses

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

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

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

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

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

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

Special Sessions

Algebras, Lattices and Varieties (Code: AMS SS A1), **Keith A. Kearnes**, University of Colorado, Boulder, **Agnes Szendrei**, Bolyai Institute, and **Walter Taylor**, University of Colorado, Boulder.

Applications of Number Theory and Algebraic Geometry to Coding (Code: AMS SS B1), **David R. Grant**, University of Colorado, Boulder, **Jose Felipe Voloch**, University of Texas at Austin, and **Judy Leavitt Walker**, University of Nebraska, Lincoln.

Geometric Methods in Partial Differential Equations (Code: AMS SS C1), **Jeanne N. Clelland**, University of Colorado, Boulder, and **George R. Wilkins**, University of Hawaii.

Groupoids in Analysis and Geometry (Code: AMS SS D1), **Lawrence Baggett**, University of Colorado, Boulder, **Jerry Kaminker**, Indiana University-Purdue University Indianapolis, and **Judith Packer**, University of Colorado, Boulder.

Homotopy Theory (Code: AMS SS F1), **Daniel Dugger**, University of Oregon, and **Brooke E. Shipley**, Purdue University.

Noncommutative Geometry and Geometric Analysis (Code: AMS SS E1), **Carla Farsi**, **Alexander Gorokhovsky**, and **Siye Wu**, University of Colorado.

Structured Population and Epidemic Models: Periodicity, Chaos, and Extinction (Code: AMS SS G1), **Linda J. S. Allen**, Texas Technical University, and **Sophia R.-J. Jang**, University of Louisiana at Lafayette.

Binghamton, New York

Binghamton University

October 11–12, 2003

Meeting #990

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: August 2003

Program first available on AMS website: August 28, 2003

Program issue of electronic *Notices*: October 2003

Issue of *Abstracts*: Volume 24, Issue 4

Deadlines

For organizers: March 10, 2003

For consideration of contributed papers in Special Sessions:
June 24, 2003

For abstracts: August 19, 2003

Invited Addresses

Peter Kuchment, Texas A&M University, *Title to be announced.*

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

Zoltan Szabo, Princeton University, *Title to be announced.*

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

Special Sessions

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

Boundary Value Problems on Singular Domains (Code: AMS SS C1), **Juan B. Gil**, Temple University, and **Paul A. Loya**, Binghamton University.

Geometric Group Theory (Code: AMS SS B1), **Zlil Sela**, Einstein Institute of Mathematics, and **Ross Geoghegan**, Binghamton University.

Infinite Groups and Group Rings (Code: AMS SS D1), **Luise-Charlotte Kappe**, Binghamton University, and **Derek J. S. Robinson**, University of Illinois at Urbana-Champaign.

Lie Algebras, Conformal Field Theory, and Related Topics (Code: AMS SS E1), **Chongying Dong**, University of California Santa Cruz, and **Alex J. Feingold** and **Gaywalee Yamskulna**, Binghamton University.

Probability Theory (Code: AMS SS F1), **Miguel A. Arcones**, Binghamton University, and **Evarist Gine**, University of Connecticut.

**Chapel Hill,
North Carolina**

University of North Carolina at Chapel Hill

October 24–25, 2003

Meeting #991

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: August 2003

Program first available on AMS website: September 11, 2003

Program issue of electronic *Notices*: October 2003

Issue of *Abstracts*: Volume 24, Issue 4

Deadlines

For organizers: March 24, 2003

For consideration of contributed papers in Special Sessions:
July 19, 2003
For abstracts: September 3, 2003

Bangalore, India

India Institute of Science

December 17–20, 2003

Meeting #992

First Joint AMS-India Mathematics Meeting
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: To be announced
Program first available on AMS website: Not applicable
Program issue of electronic *Notices*: Not applicable
Issue of *Abstracts*: Not applicable

Deadlines

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

Invited Addresses

R. Balasubramanian, Institute for Mathematical Sciences, *Title to be announced.*
George C. Papanicolaou, Stanford University, *Title to be announced.*
M. S. Raghunathan, Tata Institute of Fundamental Research, *Title to be announced.*
Peter Sarnak, Princeton University and Courant Institute, New York University, *Title to be announced.*
K. B. Sinha, India Statistical Institute, *Title to be announced.*
Vladimir Voevodsky, Institute for Advanced Study, *Title to be announced.*

Special Sessions

Algebraic and Geometric Methods in Multivariable Operator Theory, **Ronald G. Douglas**, Texas A&M University, and **Gadadhar Misra**, Indian Statistical Institute.
Algebraic and Geometric Topology, **Parameswaren Sankaran**, Institute of Mathematical Sciences, and **P. B. Shalen**, University of Illinois.
Buildings and Group Theory, **N. S. Narasimha Sastry**, Indian Statistical Institute, and **Richard M. Weiss**, Tufts University.
Commutative Algebra and Algebraic Geometry, **Sudhir Ghorpade**, Indian Institute of Technology, Bombay, **Hema Srinivasan**, University of Missouri, and **Jugal K. Verma**, Indian Institute of Technology, Bombay.
Cycles, K-Theory, and Motives, **Eric M. Friedlander**, Northwestern University, **Steven Lichtenbaum**, Brown University, **Kapil Paranjape**, Institute of Mathematical Sciences, and **Vasudevan Srinivas**, Tata Institute of Fundamental Research.

Differential Equations and Applications to Population Dynamics, Epidemiology, Genetics and Microbiology, **Bindhyachal Rai**, University of Allahabad, **Sanjay Rai**, Jacksonville University, **Terrance Quinn**, Ohio University Southern, and **Sunil Tiwari**, Sonoma State University.

The Many Facets of Linear Algebra and Matrix Theory, **Richard Brualdi**, University of Wisconsin, and **Rajendra Bhatia**, Indian Statistical Institute.

PDE and Applications, **Susan B. Friedlander**, University of Illinois, and **P. N. Srikanth**, Tata Institute of Fundamental Research.

Spectral and Inverse Spectral Theories of Schrödinger Operators, **Peter David Hislop**, University of Kentucky, and **Krishna Maddaly**, Institute of Mathematical Sciences.

Phoenix, Arizona

Phoenix Civic Plaza

January 7–10, 2004

Meeting #993

Joint Mathematics Meetings, including the 110th Annual Meeting of the AMS, 87th Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), the winter meeting of the Association for Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Michel L. Lapidus
Announcement issue of *Notices*: October 2003
Program first available on AMS website: To be announced
Program issue of electronic *Notices*: January 2004
Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 2, 2003
For consideration of contributed papers in Special Sessions:
To be announced
For abstracts: To be announced
For summaries of papers to MAA organizers: To be announced

Request for Proposals from AMS Special Session Organizers

Michel L. Lapidus, the associate secretary responsible for the AMS program in Phoenix, is soliciting proposals for Special Sessions for this meeting. Each proposal must include the full names, email addresses, and institutions of all members of the organizing committee and identify the one organizer who will serve as contact for all communications about the session; the title and a brief (two or three paragraphs) description of the proposed session; and a *sample* list of speakers whom the proposed organizers plan to invite (please note that it is not at all necessary to have confirmed commitments from these speakers).

It is expected that each Special Session will be allotted 10 hours over two days of the meeting in which to schedule speakers. In order to allow the maximum movement between sessions for all participants, Special Session speakers will be scheduled for either a 20-minute talk, 5-minute discussion, and 5-minute break; or a 40-minute talk, 10-minute discussion, and 10-minute break. All talks must begin on the hour or half-hour. Any combination of 20-minute and 40-minute talks is allowed, provided the schedule conforms to beginning on the hour and half-hour (except on the first afternoon, for technical reasons).

Proposals for AMS Special Sessions must be received by the deadline for organizers, **April 2, 2003**, and submitted (preferably by email) to the AMS associate secretary, Michel L. Lapidus (lapidus@math.ucr.edu). Late proposals will not be considered.

There is limited space available for Special Sessions on the AMS program, so it is likely that not all proposals will be accepted. Please be sure to submit as detailed a proposal as possible for review by the program committee. All proposed organizers will be notified of acceptance or rejection no later than May 1, 2003.

Tallahassee, Florida

Florida State University

March 12–13, 2004

Meeting #994

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 13, 2003

For consideration of contributed papers in Special Sessions:

To be announced

For abstracts: To be announced

Athens, Ohio

Ohio University

March 26–27, 2004

Meeting #995

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

Los Angeles, California

University of Southern California

April 3–4, 2004

Meeting #996

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: To be announced

For consideration of contributed papers in Special Sessions:

To be announced

For abstracts: To be announced

Special Sessions

Contact and Symplectic Geometry (Code: AMS SS A1), **Dragomir Dragnev, Ko Honda, and Sang Seon Kim**, University of Southern California.

Lawrenceville, New Jersey

Rider University

April 17–18, 2004

Meeting #997

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 17, 2003

For consideration of contributed papers in Special Sessions:

To be announced

For abstracts: To be announced

Houston, Texas

University of Houston

May 13–15, 2004

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

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: To be announced

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

Nashville, Tennessee

Vanderbilt University

October 16–17, 2004

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: March 16, 2004

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

For abstracts: To be announced

Pittsburgh, Pennsylvania

University of Pittsburgh

November 6–7, 2004

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: April 7, 2004

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

For abstracts: To be announced

Atlanta, Georgia

Atlanta Marriott Marquis and Hyatt Regency Atlanta

January 5–8, 2005

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

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: October 2004

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2005

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 5, 2004

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

Mainz, Germany

Deutsche Mathematiker-Vereinigung (DMV) and the Österreichische Mathematische Gesellschaft (OMG)

June 16–19, 2005

Second Joint AMS-Deutsche Mathematiker-Vereinigung (DMV) Meeting

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

Deadlines

For organizers: To be announced

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

San Antonio, Texas

Henry B. Gonzalez Convention Center

January 12–15, 2006

Joint Mathematics Meetings, including the 112th Annual Meeting of the AMS, 89th Annual Meeting of the Mathematical Association of America, annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association for Symbolic Logic (ASL).

Associate secretary: John L. Bryant

Announcement issue of *Notices*: October 2005

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2006

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 12, 2005

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

New Orleans, Louisiana

*New Orleans Marriott and Sheraton
New Orleans Hotel*

January 4–7, 2007

Joint Mathematics Meetings, including the 113th Annual Meeting of the AMS, 90th Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association for Symbolic Logic (ASL).

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: October 2006

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2007

Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 4, 2006

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

For abstracts: To be announced

For summaries of papers to MAA organizers: To be announced

San Diego, California

San Diego Convention Center

January 6–9, 2008

Joint Mathematics Meetings, including the 114th Annual Meeting of the AMS, 91st Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association for Symbolic Logic (ASL).

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: October 2007

Program first available on AMS website: November 1, 2007

Program issue of electronic *Notices*: January 2008

Issue of *Abstracts*: Volume 29, Issue 1

Deadlines

For organizers: April 6, 2007

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

Washington, District of Columbia

*Marriott Wardman Park Hotel and Omni
Shoreham Hotel*

January 7–10, 2009

Joint Mathematics Meetings, including the 115th Annual Meeting of the AMS, 92nd Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association for Symbolic Logic (ASL).

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: October 2008

Program first available on AMS website: November 1, 2008

Program issue of electronic *Notices*: January 2009

Issue of *Abstracts*: Volume 30, Issue 1

Deadlines

For organizers: April 7, 2008

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