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# 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.

## Bangalore, India

*India Institute of Science*

**December 17–20, 2003**

*Wednesday – Saturday*

### Meeting #992

*First Joint AMS-India Mathematics Meeting*

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: October 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:

Expired

For abstracts: Expired

### 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 New York University-Courant Institute, *Title to be announced.*

**K. B. Sinha**, Indian 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.

*Automorphic Forms and Functoriality*, **James Cogdell**, Oklahoma State University, and **T. N. Venkataramana**, Tata Institute of Fundamental Research.

*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.

*History of Indian Mathematics*, **Gerard G. Emch**, University of Florida, and **R. Sridharan**, Chennai Mathematical Institute.

*L-Functions, Automorphic Forms and Cryptography*, **R. Balasubramanian**, Institute of Mathematical Sciences, and **K. Soundararajan**, University of Michigan.

*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.

*Probability Theory*, **Rajeeva Karandikar**, Indian Statistical Institute, and **Srinivasa R. S. Varadhan**, New York University-Courant Institute.

*Quantum Dynamics*, **William Arveson**, University of California Berkeley, and **B. V. Rajarama Bhat**, Indian Statistical Institute.

*Reductive Groups: Arithmetic, Geometry and Representation Theory*, **Vikram Mehta** and **R. Parimala**, Tata Institute of Fundamental Research, and **Gopal Prasad**, University of Michigan, Ann Arbor.

*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**

*Wednesday – Saturday*

## 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: November 1, 2003

Program issue of electronic *Notices*: January 2004

Issue of *Abstracts*: Volume 25, Issue 1

## Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:  
Expired

For abstracts: Expired

For summaries of papers to MAA organizers: Expired

## AMS Program Updates

**The Gibbs Lecture** on Wednesday evening, given by **Eric Lander**, will be on *Biology as information*.

**The Retiring Presidential Address** on Thursday afternoon, given by **Hyman Bass**, will be on *Mathematics, mathematicians, and mathematics education*.

## MAA Program Updates

**NCATE and the Mathematics Community**, Wednesday, 3:45 p.m. to 5:15 p.m., organized by **Judith L. Covington**, Louisiana State University-Shreveport and **Marilyn L. Hala**, National Council of Teachers of Mathematics (NCTM). The purpose of this session is to get feedback from the mathematics community on the proposed new mathematics guidelines for NCATE (National Council for Accreditation of Teacher Education) accreditation. Someone will be present to discuss the new changes and to get feedback from the audience. The panel is sponsored by the MAA Committee on the Mathematics Education of Teachers (COMET) and NCTM.

**A Fresh Start for Collegiate Mathematics**, Wednesday 4:30 p.m. to 6:00 p.m., organized by **Nancy Baxter Hastings**, Dickinson College and **Sheldon P. Gordon**, Farmingdale State University of New York. The MAA has launched a new initiative, in cooperation with NCTM and AMATYC, to refocus the courses below calculus to provide better mathematical experiences to all students. This involves a greater emphasis on conceptual understanding and realistic applications via mathematical modeling. As part of this movement, the MAA is publishing a collection of some fifty articles on different aspects of the issues related to courses such as college algebra and precalculus. Some of the major themes include reforming college algebra, precalculus and related courses, research on student learning, the transition from high school, the needs of other disciplines, implications of technology, implementation issues, and projects that work. In this presentation, the four editors of the volume will present overviews of the issues and the points made by the authors. Panelists include **Nancy Baxter Hastings**, Dickinson College; **Sheldon P. Gordon**, Farmingdale State University of New York; **Florence S. Gordon**, New York Institute of Technology; and **Jack Y. Narayan**, SUNY at Oswego, who will act as moderator.

**Environmental Mathematics SIGMAA Business Meeting and Invited Address**, Thursday, 5:45 p.m. to 6:45 p.m., organized by **Ben Fusaro**, Florida State University. **Marcia Sward**, former executive director of the MAA, will speak on Assessing America's Energy IQ. Findings from a recent survey conducted by the National Environmental Education and Training Foundation will be presented.

**Presentations by Teaching Award Recipients**, Friday, 2:30 p.m. to 4:00 p.m. Presenters and their talks include **Thomas A. Garrity**, Williams College, *Functions for the world*; **Andrew C.-F. Liu**, University of Alberta, *A S.N.A.P. Math Fair*; and **Olympia Nicodemi**, SUNY at Geneseo, *Clueless*.

**Environmental Mathematics**, Friday, 5:45 pm to 7:00 pm, organized by **Patricia Clark Kenschaft**, Montclair State University. Three authors from the book *Environmental Mathematics*, published by the MAA in 2003, will share some ideas about using environmental issues to teach mathematics. All have written a chapter about a

unit that does so without using calculus. The topics and type of mathematics will vary, but will be useful to those teaching the first two years of college mathematics, either to majors or to nonmajors, both to those especially interested in environmental issues and to those who simply want to increase their quantitative literacy. Panelists include **Mohammed Moazzam**, Salisbury State University; **Barry Schiller**, Rhode Island College; and **William Stone**, New Mexico Institute of Mining and Technology.

### Other Organizations

**London Mathematical Society**, Friday, 3:30 p.m. to 5:00 p.m. An invited address will be given by **Gerard van der Geer**, Universiteit van Amsterdam, on *Curves over finite fields and congruences between modular forms*.

### Other Events

**Mathematical Art Exhibit**, various hours, Wednesday—Saturday. A new feature at this year's meeting provides a break in your day. On display are paintings, prints, and sculpture by artists whose work is inspired by mathematics and by mathematicians who use visual art to express their findings. Fractals, symmetry and tiling, topology, polyhedra, optical illusions, and unusual perspective systems are some of the ideas at play here. Don't miss this unique opportunity!

### Social Events

**Elsevier Science 5K Fun Run/Walk and Breakfast**, Thursday, 7:00 a.m. to 8:00 a.m. Join your colleagues for this healthy eye-opener!

**MAA Two-Year College Reception**, Thursday, 5:45 p.m. to 7:00 p.m., is open to all meeting participants, particularly two-year faculty members. This is a great opportunity to meet old friends and make some new ones. There will be hot and cold refreshments and a cash bar. Sponsored by Addison Wesley Longman.

**University of Wisconsin-Madison Reunion Reception**, Friday, 5:30 p.m. to 7:00 p.m.

## Tallahassee, Florida

*Florida State University*

**March 12–13, 2004**

*Friday – Saturday*

### Meeting #994

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: January 2004

Program first available on AMS website: January 29, 2004

Program issue of electronic *Notices*: March 2004

Issue of *Abstracts*: Volume 02, Issue 04

### Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:  
November 25, 2003

For abstracts: January 20, 2004

### Invited Addresses

**Fern Y. Hunt**, National Institute of Standards, *Title to be announced*.

**William H. Jaco**, Oklahoma State University, *Title to be announced*.

**Yair Minsky**, Yale University, *Title to be announced*.

**Glenn F. Webb**, Vanderbilt University, *Title to be announced*.

### Special Sessions

*Algebraic Geometry and Topology* (Code: SS 5A), **Eriko Hironaka**, **Paolo Aluffi**, and **Ettore Aldrovandi**, Florida State University.

*Applications of Mathematics to Problems in Biology* (Code: SS 1A), **Richard Bertram** and **Jack Quine**, Florida State University.

*Financial Mathematics* (Code: SS 11A), **Alec N. Kercheval**, **Warren D. Nichols**, and **Craig A. Nolder**, Florida State University.

*Geometric Topology in Honor of John Bryant* (Code: SS 6A), **Washington Mio**, Florida State University, and **Erik K. Pedersen**, Binghamton University (SUNY).

*Harmonic Analysis* (Code: SS 7A), **Daniel M. Oberlin**, Florida State University, and **Laura de Carli**, Florida International University.

*Knot Theory and Applications* (Code: SS 2A), **Yuanan Diao**, University of North Carolina at Charlotte.

*Modeling and Simulation of Complex Fluid Systems* (Code: SS 8A), **Qi Wang** and **Mark Sussman**, Florida State University, and **Xiaoming Wang**, Iowa State University.

*PDE's and Turbulence* (Code: SS 9A), **Xiaoming Wang**, Iowa State University.

*Results in 3-Manifolds and Related Topics* (Code: SS 3A), **Wolfgang H. Heil** and **Sergio R. Fenley**, Florida State University.

*Robert Gilmer and Joe Mott: Forty Years of Commutative Ring Theory at Florida State University* (Code: SS 4A), **William J. Heinzer**, Purdue University, and **James W. Brewer**, Florida Atlantic University.

*Zygyies and Hilbert Functions* (Code: SS 10A), **Irena Peeva** and **Christopher A. Francisco**, Cornell University.

## Athens, Ohio

*Ohio University*

**March 26–27, 2004**

*Friday – Saturday*

### Meeting #995

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: January 2004

Program first available on AMS website: February 12, 2004

Program issue of electronic *Notices*: March 2004  
Issue of *Abstracts*: Volume 02, Issue 04

### Deadlines

For organizers: Expired  
For consideration of contributed papers in Special Sessions:  
December 9, 2003  
For abstracts: February 3, 2004

### Invited Addresses

**Mario Bonk**, University of Michigan, *Title to be announced*.  
**Irene M. Gamba**, University of Texas at Austin, *Title to be announced*.  
**Rostislav I. Grigorchuk**, Texas A&M University, *Title to be announced*.  
**Eric G. Zaslow**, Northwestern University, *Title to be announced*.

### Special Sessions

*Algebraic Coding Theory* (Code: SS 7A), **Marcus Greferath**, San Diego State University, and **Sergio R. López-Permouth**, Ohio University.

*Differential Equations and Control Theory* (Code: SS 1A), **Sergiu Aizicovici** and **Nicolai Pavel**, Ohio University.

*Discrete Structures and Complex Dynamics* (Code: SS 13A), **Mario Bonk** and **Lukas Geyer**, University of Michigan.

*Dynamical Systems* (Code: SS 3A), **Patrick D. McSwiggen**, University of Cincinnati, and **Todd Young**, Ohio University.

*Fast Algorithms in Numerical Analysis* (Code: SS 12A), **George Fann**, Oak Ridge National Laboratory, and **Marin J. Mohlenkamp**, Ohio University.

*Groups, Representations, and Characters* (Code: SS 2A), **Mark Lewis**, Kent State University, and **Thomas R. Wolf**, Ohio University.

*Integrable Systems in Mathematics and Physics* (Code: SS 11A), **Michael Gekhtman**, University of Notre Dame, and **Luen Chau Li**, Pennsylvania State University.

*Linear Algebra and Its Applications* (Code: SS 5A), **S. K. Jain**, Ohio University, and **Michael Neumann**, University of Connecticut.

*Probabilistic and Asymptotic Aspects of Group Theory* (Code: SS 9A), **Rostislav Grigorchuk**, Texas A&M University, **Mark Sapir**, Vanderbilt University, and **Zoran Sunik**, Texas A&M University.

*Recent Trends in Infinite-Dimensional Banach Space Theory* (Code: SS 10A), **Beata Randrianantoanina** and **Narcisse Randrianantoanina**, Miami University.

*Statistics and Probability* (Code: SS 6A), **Maria Rizzo** and **Vladimir Vinogradov**, Ohio University.

*Theory of Rings and Modules* (Code: SS 4A), **Nguyen Viet Dung**, **Franco Guerriero**, **Dinh Van Huynh**, and **Pramod Kanwar**, Ohio University.

*Wavelets, Other Multiscale Methods and Their Applications* (Code: SS 8A), **En-Bing Lin**, University of Toledo, and **Xiaoping Annie Shen**, Ohio University.

# Los Angeles, California

*University of Southern California*

**April 3–4, 2004**

*Saturday – Sunday*

### Meeting #996

Western Section  
Associate secretary: Michel L. Lapidus  
Announcement issue of *Notices*: February 2004  
Program first available on AMS website: February 19, 2004  
Program issue of electronic *Notices*: April 2004  
Issue of *Abstracts*: Volume 02, Issue 04

### Deadlines

For organizers: Expired  
For consideration of contributed papers in Special Sessions:  
December 16, 2003  
For abstracts: February 10, 2004

### Invited Addresses

**Dan Boneh**, Stanford University, *Title to be announced*.  
**Maria E. Schonbek**, University of California Santa Cruz, *Title to be announced*.  
**Paul Smith**, University of Washington, *Noncommutative algebraic geometry*.  
**Christopher Martin Thiele**, University of California Los Angeles, *Title to be announced*.

### Special Sessions

*Arithmetic Geometry and K-Theory* (Code: SS 7A), **Thomas Geisser** and **Wayne Raskind**, University of Southern California.

*Complex and Hyperbolic Geometry* (Code: SS 6A), **Francis Bonahon** and **Dragomir Saric**, University of Southern California.

*Contact and Symplectic Geometry* (Code: SS 1A), **Dragomir Dragnev**, **Ko Honda**, and **Sang Seon Kim**, University of Southern California.

*Dynamic Equations on Time Scales: Theory and Applications* (Code: SS 5A), **John M. Davis** and **Johnny Henderson**, Baylor University, and **Qin Sheng**, University of Dayton.

*Financial Mathematics* (Code: SS 3A), **Jaksa Cvitanic** and **Janfeng Zhang**, University of Southern California.

*Fluid Problems and Related Questions* (Code: SS 2A), **Maria Schonbek**, University of California Santa Cruz, and **Yuxi Zheng**, Pennsylvania State University.

*Modern Problems of Integration: Theory and Applications* (Code: SS 11A), **Mark Burgin**, University of California Los Angeles.

*Nonlinear and Harmonic Analysis* (Code: SS 10A), **Rowan Killip** and **Christopher Thiele**, University of California Los Angeles.

*Partial Differential Equations* (Code: SS 9A), **Igor Kukavica**, University of Southern California, and **Qi S. Zhang**, University of California Riverside.

*Recent Advances in the Mathematical Analysis of Geophysical and Hydrodynamical Models* (Code: SS 8A), **Mohammed Ziane**, University of Southern California.

*Smooth Ergodic Theory and Related Topics* (Code: SS 4A), **Nicolai Haydn**, University of Southern California, and **Huyi Hu**, Michigan State University.

## Lawrenceville, New Jersey

*Rider University*

**April 17–18, 2004**

*Saturday – Sunday*

### Meeting #997

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: February 2004

Program first available on AMS website: March 4, 2004

Program issue of electronic *Notices*: April 2004

Issue of *Abstracts*: Volume 03, Issue 04

### Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:

December 30, 2003

For abstracts: February 24, 2004

### Invited Addresses

**Sylvia Serfaty**, New York University-Courant Institute, *Title to be announced.*

**Dennis P. Sullivan**, City College (CUNY), *Title to be announced.*

**Wim F. Sweldens**, Bell Laboratories, *Title to be announced.*

**Gaoyong Zhang**, Polytechnic University, *Title to be announced.*

### Special Sessions

*Algebraic Geometry and Mirror Symmetry* (Code: SS 4A), **Ciprian Borcea**, Rider University.

*Analytic Convex Geometry* (Code: SS 15A), **Alina Stancu**, Polytechnic University, and **Elisabeth Werner**, Case Western Reserve University.

*Automorphic Forms and Analytic Number Theory* (Code: SS 1A), **Stephen Miller**, Rutgers University, and **Ramin Takloo-Bighash**, Princeton University.

*Commutative Algebra and Algebraic Geometry* (Code: SS 14A), **Alberto Corso**, University of Kentucky, **Claudia**

**Polini**, University of Notre Dame, and **Volmer V. Vasconcelos**, Rutgers University.

*Convergence of Riemannian Manifolds* (Code: SS 12A), **Christina Sormani**, Herbert H. Lehman College (CUNY), **Xiaochun Rong**, Rutgers State University, and **Guofang Wei**, University of California Santa Barbara.

*CR Geometry and Singularities* (Code: SS 10A), **Joseph J. Kohn**, Princeton University, **John P. D'Angelo**, University of Illinois, **Xiaojun Huang**, Rutgers University, and **Andreea Nicoara**, Harvard University.

*Elliptic Surfaces and Elliptic Fibrations* (Code: SS 9A), **William L. Hoyt**, Rutgers University, **Joseph H. Silverman**, Brown University, and **Charles F. Schwartz**, Rider University.

*Geometry and Arithmetic of Lattices* (Code: SS 13A), **John H. Conway**, Princeton University, and **Derek A. Smith**, Lafayette College.

*Geometry of Protein Modelling* (Code: SS 5A), **Ileana Streinu**, Smith College, and **Jack Snoeyink**, University of North Carolina at Chapel Hill.

*Group Cohomology and Related Topics (in Honor of William Browder's 70th Birthday)* (Code: SS 16A), **Alejandro Adem**, University of Wisconsin, and **Jonathan Pakianathan**, University of Rochester.

*Homotopical Physics* (Code: SS 7A), **James Stasheff**, University of North Carolina, and **Thomas J. Lada**, North Carolina State University.

*Homotopy Theory, a Special Session in Honor of William Browder's 70th Birthday* (Code: SS 3A), **Martin Bendersky**, Hunter College, and **Donald Davis**, Lehigh University.

*Strings and Branes* (Code: SS 6A), **Thomas P. Branson**, University of Iowa, and **S. James Gates**, University of Maryland.

*Surgery, a Special Session in Honor of William Browder's 70th Birthday* (Code: SS 8A), **Frank S. Quinn**, Virginia Polytechnic Institute & State University.

*Tomography and Integral Geometry* (Code: SS 2A), **Andrew Markoe**, Rider University, and **Eric Todd Quinto**, Tufts University.

*Variational Methods in Classical Mechanics* (Code: SS 11A), **John N. Mather**, Princeton University, and **Vadim Y. Kaloshin**, Institute for Advanced Study.

## Houston, Texas

*Hyatt Regency Houston*

**May 13–15, 2004**

*Thursday – Saturday*

### Meeting #998

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

Associate secretary: John L. Bryant

Announcement issue of *Notices*: February 2004

Program first available on AMS website: March 11, 2004

Program issue of electronic *Notices*: April 2004

Issue of *Abstracts*: Volume 03, Issue 04

### Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:  
January 6, 2004

For abstracts: March 2, 2004

### Invited Addresses

**Luchezar Avramov**, University of Nebraska, *Title to be announced*.

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

**Samuel Gitler**, CINVESTAV, *Title to be announced*.

**Adolfo Sanchez-Valenzuela**, Centro de Investigacion en Matematicas, *Title to be announced*.

**Jose Seade-Kuri**, UNAM, *Title to be announced*.

**Bernd Sturmfels**, University of California Berkeley, *Title to be announced* (Erdős Memorial Lecture).

### Special Sessions

*Algebraic Geometry* (Code: SS 19A), **Pedro Luis Del Angel R.**, CIMAT.

*Algebraic Topology* (Code: SS 11A), **Miguel A. Xicotencatl**, CINVESTAV, and **Frederick R. Cohen**, University of Rochester.

*Associative Rings* (Code: SS 5A), **Jose Rios Montes**, UNAM, **Maria-Jose Arroyo**, UAM-Iztapalapa, and **Sergio R. López-Permouth**, Ohio University.

*Coding Theory and Cryptography* (Code: SS 17A), **Horacio Tapia-Recillas**, UAM-Iztapalapa, and **Neal I. Koblitz**, University of Washington.

*Complex Analysis and Operator Theory* (Code: SS 10A), **Enrique Ramirez de Arellano**, CINVESTAV, **John E. Fornaess**, University of Michigan, Ann Arbor, and **Norberto Salinas**, University of Kansas.

*Continua Theory and General Topology* (Code: SS 6A), **Janusz J. Charatonik**, UNAM, **Charles L. Hagopian**, California State University, Sacramento, and **Sergio Macias**, UNAM.

*Continuous Distributed Parameters Models in Mathematical Biology* (Code: SS 13A), **William E. Fitzgibbon**, University of Houston, and **Jorge X. Velasco Hernandez**, Instituto Mexicana del Petroleo.

*Designing Frames and Wavelets: From Theory to Digitization* (Code: SS 18A), **Peter R. Massopust**, Tuboscope Pipeline Services, and **Manos I. Papadakis**, University of Houston.

*Differential Geometry* (Code: SS 20A), **Raul Quiroga Barranco**, CINVESTAV, and **Alberto Candell**, California State University, Northridge.

*Dynamical Systems* (Code: SS 8A), **Renato Iturriaga**, CIMAT, and **Rafael de la Llave**, University of Texas at Austin.

*Geometric Variational Problems* (Code: SS 15A), **Clara Garza-Hume**, IIMAS, UNAM, and **Michael Wolf** and **Robert M. Hardt**, Rice University.

*Graph Theory and Combinatorics* (Code: SS 1A), **Gelacio Salazar**, IICO, UASLP, **Isidoro Gitler**, CINVESTAV, and **Nathaniel Dean**, Texas Southern University.

*Harmonic and Functional Analysis* (Code: SS 3A), **Salvador Perez-Esteve**, UNAM-Cuernavaca, **Carlos Bosh-Giral**, ITAM, and **Josefina Alvarez**, University of New Mexico.

*Homological Algebra of Commutative Rings* (Code: SS 21A), **Srikanth Iyengar**, University of Nebraska, and **Graham J. Leuschke**, University of Toronto.

*Low Dimensional Topology* (Code: SS 7A), **Victor Nuñez**, CIMAT, and **Luis G. Valdez**, University of Texas, El Paso.

*Mathematical Physics* (Code: SS 16A), **Carlos Villegas-Blas**, UNAM, and **Alejandro Uribe**, University of Michigan, Ann Arbor.

*Mathematical Problems in the Analysis of Synchronous States in Networks* (Code: SS 22A), **Kresimir Josic**, University of Houston, and **Valentin Afraimovich**, IICO-UASLP.

*Nonlinear Analysis* (Code: SS 4A), **Monica Clapp**, UNAM, and **Alfonso Castro**, University of Texas at San Antonio.

*Problems and Issues in Electronic Publishing* (Code: SS 12A), **Klaus Kaiser**, University of Houston, and **Bernd Wegner**, Technische Universität Berlin.

*Representations of Algebras* (Code: SS 2A), **Rita Zuazua**, UNAM, and **Gordana G. Todorov**, Northeastern University.

*Space and Time Decomposition Methods in Computational and Applied Mathematics* (Code: SS 14A), **Roland Glowinski** and **Tsorng-Whay Pan**, University of Houston, and **L. Hector Juarez V.**, UAM-Iztapalapa.

*Stochastic Processes and Probability* (Code: SS 9A), **Daniel Hernandez**, CIMAT, **Paul G. Dupuis**, Brown University, and **Daniel L. Ocone**, Rutgers University.

## Nashville, Tennessee

*Vanderbilt University*

**October 16–17, 2004**

*Saturday – Sunday*

### Meeting #999

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: August 2004

Program first available on AMS website: September 2, 2004

Program issue of electronic *Notices*: October 2004

Issue of *Abstracts*: Volume 04, Issue 04

### Deadlines

For organizers: March 16, 2004

For consideration of contributed papers in Special Sessions:  
June 29, 2004

For abstracts: August 24, 2004

# Albuquerque, New Mexico

*University of New Mexico*

**October 16–17, 2004**

*Saturday – Sunday*

## Meeting #1000

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: August 2004

Program first available on AMS website: September 3, 2004

Program issue of electronic *Notices*: October 2004

Issue of *Abstracts*: Volume 04, Issue 04

## Deadlines

For organizers: March 16, 2004

For consideration of contributed papers in Special Sessions:  
June 29, 2004

For abstracts: August 24, 2004

## Invited Addresses

**Sara C. Billey**, University of Washington, Seattle, *Title to be announced.*

**Peter Ebenfelt**, University of California San Diego, *Title to be announced.*

**Theodore Stanford**, New Mexico State University, *Title to be announced.*

**Craig A. Tracy**, University of California Davis, *Title to be announced.*

## Special Sessions

*Random Matrix Theory and Growth Processes* (Code: SS 1A),

**Craig A. Tracy**, University of California Davis.

# Evanston, Illinois

*Northwestern University*

**October 23–24, 2004**

*Saturday – Sunday*

## Meeting #1001

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: August 2004

Program first available on AMS website: September 9, 2004

Program issue of electronic *Notices*: October 2004

Issue of *Abstracts*: Volume 04, Issue 04

## Deadlines

For organizers: March 23, 2004

For consideration of contributed papers in Special Sessions:  
July 7, 2004

For abstracts: August 31, 2004

## Invited Addresses

**Ian Agol**, University of Illinois at Chicago, *Title to be announced.*

**Robert W. Ghrist**, University of Illinois, *Title to be announced.*

**Yuri Manin**, Northwestern University, *Title to be announced.*

**Paul Seidel**, Imperial College-London and University of Chicago, *Title to be announced.*

## Special Sessions

*Extremal Combinatorics* (Code: SS 2A), **Dhruv Mubayi** and **Yi Zhao**, University of Illinois at Chicago.

*Index Theory, Morse Theory, and the Witten Deformation Method* (Code: SS 3A), **Igor Prokhorenkov** and **Ken Richardson**, Texas Christian University.

*Modern Schubert Calculus* (Code: SS 1A), **Ezra Miller**, University of Minnesota, and **Frank Sottile**, University of Massachusetts.

# Pittsburgh, Pennsylvania

*University of Pittsburgh*

**November 6–7, 2004**

*Saturday – Sunday*

## Meeting #1002

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: September 2004

Program first available on AMS website: September 23, 2004

Program issue of electronic *Notices*: November 2004

Issue of *Abstracts*: Volume 04, Issue 04

## Deadlines

For organizers: April 7, 2004

For consideration of contributed papers in Special Sessions:  
July 20, 2004

For abstracts: September 14, 2004

## Special Sessions

*Convexity and Combinatorics* (Code: SS 2A), **James F. Lawrence** and **Valeriu Soltan**, George Mason University.

*Invariants of Knots and 3-Manifolds* (Code: SS 1A), **Marta M. Asaeda**, University of Maryland, **Jozef H. Przytycki**, George Washington University, and **Adam S. Sikora**, SUNY at Buffalo.

## Atlanta, Georgia

*Atlanta Marriott Marquis and Hyatt  
Regency Atlanta*

**January 5–8, 2005**

*Wednesday – Saturday*

*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

## Bowling Green, Kentucky

*Western Kentucky University*

**March 18–19, 2005**

*Friday – Saturday*

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: July 19, 2004

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

For abstracts: To be announced

## Newark, Delaware

*University of Delaware*

**April 2–3, 2005**

*Saturday – Sunday*

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 2, 2004

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

For abstracts: To be announced

## Lubbock, Texas

*Texas Tech University*

**April 8–10, 2005**

*Friday – Sunday*

Southeastern 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: To be announced

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

For abstracts: To be announced

## Santa Barbara, California

*University of California Santa Barbara*

**April 16–17, 2005**

*Saturday – Sunday*

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

## Mainz, Germany

**June 16–19, 2005**

*Thursday – Sunday*

*Second Joint International Meeting with the Deutsche Mathematiker-Vereinigung (DMV) and the Oesterreichische Mathematische Gesellschaft (OMG)*



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

### Invited Addresses

**Helene Esnault**, University of Essen, *Title to be announced.*  
**Richard Hamilton**, Columbia University, *Title to be announced.*  
**Michael J. Hopkins**, Massachusetts Institute of Technology, *Title to be announced.*  
**Frank Natterer**, University of Muenster, *Title to be announced.*  
**Hong-Tzer Yau**, New York University and Stanford University, *Title to be announced.*

## Johnson City, Tennessee

*East Tennessee State University*

**October 15–16, 2005**

*Saturday – Sunday*  
 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 15, 2005  
 For consideration of contributed papers in Special Sessions:  
 To be announced  
 For abstracts: To be announced

## Lincoln, Nebraska

*University of Nebraska in Lincoln*

**October 21–22, 2005**

*Friday – Saturday*  
 Central Section  
 Associate secretary: Susan J. Friedlander  
 Announcement issue of *Notices*: August 2005  
 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

## San Antonio, Texas

*Henry B. Gonzalez Convention Center*

**January 12–15, 2006**

*Thursday – Sunday*  
*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**

*Thursday – Sunday*  
*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**

*Sunday – Wednesday*

*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**

*Wednesday – Saturday*

*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