

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.

Binghamton, New York

Binghamton University

October 11–12, 2003

Saturday–Sunday

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: Expired

For consideration of contributed papers in Special Sessions:

Expired

For abstracts: Expired

Invited Addresses

Peter Kuchment, Texas A&M University, *Quantum graphs and their applications*.

Zlil Sela, Einstein Institute of Mathematics, *Diophantine geometry over groups and the elementary theory of free and hyperbolic groups*.

Zoltan Szabo, Princeton University, *Holomorphic disks and Floer homology for knots*.

Jeb F. Willenbring, University of Wisconsin at Milwaukee, *Symmetric pairs*.

Special Sessions

Biomolecular Mathematics, **Thomas J. Head** and **Dennis G. Pixton**, Binghamton University, **Mitsunori Ogihara**, Uni-

versity of Rochester, and **Carlos Martin-Vide**, Universitat Rovira i Virgili.

Boundary Value Problems on Singular Domains, **Juan B. Gil**, Penn State Altoona, and **Paul A. Loya**, Binghamton University.

Character Theory of Finite Groups and Algebraic Combinatorics, **Kenneth W. Johnson**, Pennsylvania State University, and **Eirini Poimenidou**, New College of Florida.

Dowling Lattices: The 30th Anniversary, **Thomas Zaslavsky**, Binghamton University of SUNY.

Finite Solvable Groups and Their Representations, **Ben Brewster**, SUNY at Binghamton, and **Arnold Feldman**, Franklin & Marshall College.

Geometric Group Theory, **Zlil Sela**, Einstein Institute of Mathematics, and **Ross Geoghegan**, Binghamton University.

Homotopy Theory: Honoring Peter Hilton on His Eightieth Birthday, **Martin Bendersky** and **Joseph Roitberg**, Hunter College (CUNY).

Infinite Groups and Group Rings, **Luise-Charlotte Kappe**, Binghamton University, and **Derek J. S. Robinson**, University of Illinois, Urbana-Champaign.

Inverse Problems and Tomography, **Peter Kuchment**, Texas A&M University, **Leonid A. Kunyansky**, University of Arizona, and **Eric Todd Quinto**, Tufts University.

Lie Algebras, Conformal Field Theory, and Related Topics, **Chongying Dong**, University of California Santa Cruz, and **Alex J. Feingold** and **Gaywalee Yamskulna**, Binghamton University.

Manifold Theory, **Erik K. Pedersen**, Binghamton University, and **Ian Hambleton**, McMaster University.

Noncommutative Ring Theory, **Howard E. Bell** and **Yuanlin Li**, Brock University.

Probability Theory, **Miguel A. Arcones**, Binghamton University, and **Evarist Gine**, University of Connecticut.

Quasigroups and Loops, **Tuval S. Foguel**, North Dakota State University, and **J. D. Phillips**, Wabash College.

Statistics, **Miguel A. Arcones**, **Anton Schick**, and **Qiqing Yu**, Binghamton University.

Topological Combinatorics, **Laura M. Anderson**, Binghamton University, and **Edward B. Swartz**, Cornell University.

Chapel Hill, North Carolina

University of North Carolina at Chapel Hill

October 24–25, 2003

Friday–Saturday

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: Expired

For consideration of contributed papers in Special Sessions:
Expired

For abstracts: Expired

Invited Addresses

James N. Damon, University of North Carolina, *Scale-based geometry and its role for computer imaging*.

Erica L. Flapan, Pomona College, *Topological symmetry groups of graphs embedded in the 3-sphere*.

Mary Ann Horn, Vanderbilt University, *Mathematical modeling and challenges in the development of drug resistance*.

Helmut Voelklein, University of Florida, *Interactions between group theory and algebraic curves via Riemann's existence theorem*.

Special Sessions

Algebras and Their Representations, **Edward L. Green**, Virginia Polytech Institute & State University, and **Ellen E. Kirkman**, Wake Forest University.

Association Schemes: 1973–2003, **William J. Martin**, Worcester Polytechnic Institute, and **Dijen K. Ray-Chaudhuri**, Ohio State University.

Banach Algebras and Several Complex Variables, **John T. Anderson**, College of the Holy Cross, and **Alexander J. Izzo**, Bowling Green State University.

Commutative Rings and Monoids, **Scott Chapman**, Trinity University.

Current Topics in Optical Communications Systems, **Rudy Horne** and **Tobias Schaefer**, University of North Carolina.

Group Actions on Curves, **Kay Magaard**, Wayne State University and University of Florida, and **Helmut Voelklein**, University of Florida.

Group Cohomology in Algebra and Geometry, **Richard M. Hain**, Duke University, and **Kevin P. Knudson**, Mississippi State University.

Homological Physics, **Thomas J. Lada**, North Carolina State University, and **James Stasheff**, University of North Carolina at Chapel Hill.

Knots, Links, and Embedded Graphs, **Joel S. Foisy**, SUNY at Potsdam, and **Erica L. Flapan**, Pomona College.

Linear Operators on Function Spaces, **Nathan S. Feldman**, Washington and Lee University, and **William T. Ross**, University of Richmond.

Mathematical Modeling in Physiology and Medicine, **Mary Ann Horn** and **Glenn Webb**, Vanderbilt University.

Mathematical Molecular Biology, **Dorothy Buck**, Brown University.

Measurable, Complex, and Symbolic Dynamics, **Jane M. Hawkins** and **Karl E. Petersen**, University of North Carolina at Chapel Hill.

Multi-scale Challenges in Soft Matter Materials, **Gregory M. Forest**, University of North Carolina, **Qi Wang**, Florida State University, and **Ruhai Zhou**, University of North Carolina.

Multi-scale Fluid Flow: Theory and Computation, **Sorin M. Mitran**, University of North Carolina, and **Traian Iliescu**, Virginia Tech.

Nonlinear Wave Phenomena: Stability and Interactions, **Christopher Jones**, University of North Carolina at Chapel Hill, and **Bjorn Sandstede**, The Ohio State University.

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: September 1, 2003

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, **Parameswaram 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

Phoenix Program Updates

Other MAA Sessions

Only Four Colors and **An Introduction to Topology**, Thursday, 5:45 p.m. to 7:00 p.m., organized by **Robin Wilson**, The Open University. The first video presentation features the origin and early evolution of the Four Color Theorem. The second video introduces the subject of topology to students studying an Open University course on that subject. Each video will be preceded by a short introduction by Robin Wilson.

SIGMAA on Statistics Education, Thursday, 5:45 p.m. to 6:45 p.m., organized by **Carolyn K. Cuff**, Westminster College. The SIGMAA for Statistics Education will hold its fourth annual business meeting. After some necessary formalities, we will hear the chair's report, results of the fall elections, and discuss new business. Topics of discussion will include outreach, membership services, and suggestions from the membership related to statistics education. Members are encouraged to bring hard copies of their favorite activity, dataset, or exam question to share.

Mathematics for Business Decisions, Friday, 9:00 a.m. to 11:00 a.m. (and repeated 1:00 p.m. to 3:00 p.m., and 5:00 p.m. to 7:00 p.m.), organized by **Richard Thompson** and

Christopher Lamoureux, University of Arizona. After five years of development, and testing by thousands of students, the Mathematical Association of America is publishing the electronic texts *Mathematics for Business Decisions*, Parts 1 and 2. Jointly written by a mathematician and a professor of finance, these e-texts feature four interdisciplinary, multimedia projects for lower division students in business and public administration. The projects involve: loan work outs, stock option pricing, marketing computer drives, and bidding on an oil lease. The two-course sequence, including probability, simulation, calculus, and optimization, is designed to replace the traditional combination of finite mathematics and brief calculus. We will demonstrate the new materials, discuss the challenges and rewards of teaching the program, and allow plenty of time for hands-on computer experimentation with the texts. Participants will receive a guided tour CD with video and narrated interactive PowerPoint demonstrations. Examination copies of both e-texts will also be provided.

The Mathematics of Acoustic Paradoxes, Friday, 7:00 p.m. to 8:30 p.m., presented by **Erich Neuwirth**, University of Vienna. Most mathematicians are familiar with Escher's picture with people going up a staircase but nevertheless returning where they started. There are analog paradoxes in music and acoustics. There is a tone—the Shephard-Risset tone—that constantly goes up in pitch but nevertheless returns to the starting pitch. There is also a rhythm that constantly gets faster, yet ends with the same rhythm as at the start. We will hear examples of the paradoxes and we will see and hear how they are created mathematically. We will even be able to play on a keyboard that is tuned with the Shephard-Risset tone. On this keyboard, “scales go in circles”.

Math Horizons, Saturday, 3:45 p.m. to 4:45 p.m. organized by **Arthur T. Benjamin**, Harvey Mudd College, and **Jennifer J. Quinn**, Occidental College. Meet the new editors of *Math Horizons* magazine. It is the magazine written for students, filled with intriguing articles, profiles, problems, humor, and contests. We are looking for your ideas and suggestions.

Other Organizations

Association for Symbolic Logic: An additional Invited Address will be given by **Leonard Shulman**, California Institute of Technology.

Social Events

Lehigh University Reception, Thursday, 5:45 p.m. to 7:00 p.m. All friends and graduates of the Lehigh Math Program are invited to attend.

MAA Authors' Reception, Friday, 5:30 p.m. to 7:00 p.m. All participants are invited to attend this cash bar reception sponsored by the MAA.

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.*

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

Special Sessions

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

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

Szygies 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, Steklov Institute of Mathematics, *Title to be announced.*

Eric G. Zaslów, 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.

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 **Wolmer 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, and **John P. D'Angelo**, University of Illinois.

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.

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

Homotopical Physics (Code: SS 7A), **James Stasheff**, University of North Carolina, and **Thomas J. Lada**, North Carolina State 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 Bill 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: October 13, 2003

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).

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

Special Sessions

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 AMS-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.*

Christian Krattenthaler, University of Lyon, *Title to be announced.*

Frank Natterer, University of Muenster, *Title to be announced.*

Horug 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