
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.

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 25, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:

Expired

For abstracts: Expired

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses

Ian Agol, University of Illinois at Chicago, *Two generator Kleinian groups*.

Robert W. Ghrist, University of Illinois, Urbana-Champaign, *The geometry and topology of reconfiguration*.

Yuri Manin, Northwestern University, *Fractional dimensions in geometry and algebra*.

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

Special Sessions

Algebraic Representations and Deformations, **Stephen R. Doty** and **Anthony Giaquinto**, Loyola University of Chicago.

Algebraic Topology: Interactions with Representation Theory and Algebraic Geometry, **Paul G. Goerss**, Northwestern University, **Jesper Kragh Grodal**, University of Chicago, and **Brooke E. Shipley**, University of Illinois at Chicago.

Applications of Motives, **Eric M. Friedlander**, Northwestern University, **Alexander Goncharov**, Brown University, **Mikhail Kapranov**, Yale University, and **Yuri Manin**, Max Planck Institute for Mathematics.

Codes and Applications, **William C. Huffman**, Loyola University of Chicago, and **Vera S. Pless**, University of Illinois at Chicago.

Computability Theory and Applications, **Robert I. Soare** and **Denis R. Hirschfeldt**, University of Chicago.

Differential Geometry, **Anders Ingemar Linner** and **Hongyou Wu**, Northern Illinois University.

Extremal Combinatorics, **Dhruv Mubayi** and **Yi Zhao**, University of Illinois at Chicago.

Fluid Dynamics, Diffusion and Reaction, **Peter S. Constantin** and **Leonid V. Ryzhik**, University of Chicago.

Geometric Aspects of the Langlands Program, **Edward Frenkel**, University of California Berkeley, **Dennis Gaitsgory**, University of Chicago, **Mark Goresky**, Institute for Advanced Study, and **Kari Vilonen**, Northwestern University.

Geometric Partial Differential Equations, **Gui-Qiang Chen** and **Jared Wunsch**, Northwestern University.

Hopf Algebras at the Crossroads of Algebra, Category Theory, and Topology, **Louis H. Kauffman** and **David E. Radford**, University of Illinois at Chicago, and **Fernando J. O. Souza**, University of Iowa.

Index Theory, Morse Theory, and the Witten Deformation Method, **Igor Prokhorenkov** and **Ken Richardson**, Texas Christian University.

Iterated Function Systems and Analysis on Fractals, **Ka-Sing Lau**, Chinese University of Hong Kong, and **Stephen S.-T. Yau**, University of Illinois at Chicago.

Low-Dimensional Topology and Kleinian Groups, **Ian Agol**, **John Holt**, and **Saul Schleimer**, University of Illinois at Chicago.

Mathematical Problems in Robotics, **Robert W. Ghrist**, University of Illinois at Urbana-Champaign.

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

Modern Schubert Calculus, **Ezra Miller**, University of Minnesota, and **Frank Sottile**, University of Massachusetts.

Nonlinear Partial Differential Equations and Applications, **Gui-Qiang Chen**, Northwestern University, and **Mikhail Feldman**, University of Wisconsin at Madison.

Nonlinear Waves, **Jerry L. Bona**, University of Illinois at Chicago, **Shuming Sun**, Virginia Polytechnic Institute and State University, and **Bingyu Zhang**, University of Cincinnati.

Representation Theory of Reductive Groups, **Jeffrey D. Adler**, University of Akron, and **Ju-Lee Kim**, University of Illinois at Chicago.

Solving Polynomial Systems, **Anton Leykin** and **Jan Verschelde**, University of Illinois at Chicago.

Special Functions, Orthogonal Polynomials, and Their Applications, **George Gasper**, Northwestern University, and **Ahmed I. Zayed**, DePaul University.

Spectral Problems of Differential Operators, **Qinghai Kong**, **Hongyou Wu**, and **Anton Zettl**, Northern Illinois University.

Stability Issues in Fluid Dynamics, **Susan J. Friedlander** and **Roman Shvydkoy**, University of Illinois at Chicago.

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 25, Issue 4

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: Expired

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtg/sectional.html.

Invited Addresses

Jeffrey F. Brock, Brown University, *Ending laminations, tame ends, and the classification of hyperbolic 3-manifolds*

Der-Chen Chang, Georgetown University, *Geometric analysis on a class of degenerate elliptic operators.*

Robert Schapire, Princeton University, *The boosting approach to machine learning.*

Ofer Zeitouni, University of Minnesota, Minneapolis, *Homogenization in asymmetrical random media: Recent results and challenges.*

Special Sessions

Convexity and Combinatorics, **James F. Lawrence** and **Valeriu Soltan**, George Mason University.

Geometric Analysis and Partial Differential Equations in Subelliptic Structures, **Cristian E. Gutierrez**, Temple University, **Guozhen Lu**, Wayne State University, and **Juan J. Manfredi**, University of Pittsburgh.

Graph Polynomials, **E. Glen Whitehead Jr.**, University of Pittsburgh.

The History of Mathematics, **Robert E. Bradley**, Adelphi University, and **Lawrence A. D'Antonio**, Ramapo College of New Jersey.

Invariants of Knots and 3-Manifolds, **Marta M. Asaeda**, University of Maryland, **Jozef H. Przytycki**, George Washington University, and **Adam S. Sikora**, SUNY at Buffalo.

Knots and Macromolecules, **Kenneth C. Millett**, University of California Santa Barbara, and **Eric J. Rawdon**, Duquesne University.

Mathematical Biology, **Jonathan E. Rubin** and **Bard Ermentrout**, University of Pittsburgh.

Mathematical Finance, **David Saunders** and **John Chadam**, University of Pittsburgh.

Mathematical Modeling of Nonlinear Phenomena in Biology and Mechanics, **Anna Vainchtein** and **William C. Troy**, University of Pittsburgh.

Modularity of Galois Representations and Serre's Conjecture, **Mark E. T. Dickinson**, University of Pittsburgh.

Multiscale Algorithms in Computational Fluid Dynamics, **William J. Layton**, University of Pittsburgh, and **Anastasio Liakos**, U.S. Naval Academy.

Multivariate Hypergeometric Functions: Combinatorial and Algebraic-Geometric Aspects, **Eduardo Cattani**, University of Massachusetts, Amherst, **Alicia M. Dickenstein**, Universidad de Buenos Aires, and **Laura Felicia Matusevich**, Harvard University.

Partial Differential Equations and Applications, **Xinfu Chen** and **Dehua Wang**, University of Pittsburgh.

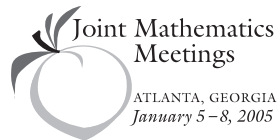
PDE-Based Methods in Imaging and Vision, **Stacey E. Levine**, Duquesne University, and **Yunmei Chen**, University of Florida.

Trends in Operator Theory and Banach Spaces, **Christopher J. Lennard** and **Thomas A. Metzger**, University of Pittsburgh.

Atlanta, Georgia

Atlanta Marriott Marquis and Hyatt Regency Atlanta

January 5–8, 2005
Wednesday–Saturday



Meeting #1003

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), the winter meeting of the Association of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: October 2004

Program first available on AMS website: November 1, 2004

Program issue of electronic *Notices*: January 2005

Issue of *Abstracts*: Volume 26, 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

For the latest information on this meeting, see www.ams.org/amsmtgs/2091_intro.html.

Atlanta Program Updates

Who Wants to be a Mathematician, Thursday, 10:00 a.m.–11:00 a.m., organized by **Michael A. Breen** and **Annette W. Emerson**, AMS; and **William T. Butterworth**, Barat College of DePaul University. This is a new version of the popular game. This year, eight high school students from Atlanta and the surrounding region will have a chance to win up to \$4,000 by answering questions about mathematics.

Contestants can ask for help from anyone in the audience, so the more people in the audience who know mathematics, the better it is for the contestants. You are invited to come and take part in this educational and fun presentation.

MAA Program Updates

Special Programs and Strategies to Reach Underrepresented Populations, Friday, 9:00 a.m.–11:00 a.m., organized by **Elizabeth (Betsy) Yanik**, Emporia State University; **Jennifer Hontz**, Meredith College; and **Kathleen Sullivan**, Seattle University. This poster session is designed to publicize successful activities which have been used to attract and encourage underrepresented populations in mathematics. It is expected that posters representing a wide range of programming would be appropriate for this session. Efforts such as after-school clubs, special conferences, mentoring programs, and summer camps are just a few of the possible formats that might be highlighted. Recipients of grants from the Tensor Foundation or the NSF programs in Gender Diversity in STEM Education or Informal Science might be particularly interested in sending in a poster proposal. Those who are conducting pilot projects or beginning projects are also welcome to submit a poster proposal to present in this session.

Send title and abstract by email to yanikel@emporia.edu or by regular mail to Betsy Yanik, Department of Mathematics and Computer Science, Emporia State University, Emporia, KS 66801, by December 7, 2004. Include author's name, address, phone number, email, and affiliation. Trifold, self-standing 48-by-36-inch tabletop posters will be provided. Additional material or equipment is the responsibility of the presenters. The session is sponsored by the Committee on the Participation of Women and the Women and Mathematics Network.

Social Events

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

Pomona College Reception, Thursday, 6:30 p.m. to 8:30 p.m. All alumni and friends of the Claremont Colleges are invited.

Travel Information

Many travel regulations regarding visas and passports have changed. Our international participants should see important information at <http://www7.nationalacademies.org/visas/>.

Other Events of Interest

Mathematical Art Exhibit, organized by **Robert Fathauer**, Tessellations Company; **Nat Friedman**, ISAMA and University at Albany; and **Reza Sarhangi**, Bridges Conference, Towson University. A popular feature at the last Joint Mathematics Meetings in Phoenix, this exhibit 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 to see a different side of mathematics! The exhibit will be located in the exhibit area; the hours are Wednesday, 12:15 p.m. to 5:30 p.m.; Thursday, 10:00 a.m. to 6:00 p.m.; Friday, 9:30 a.m. to 5:30 p.m.; and Saturday, 9:00 a.m. to noon.

Bowling Green, Kentucky

Western Kentucky University

March 18–19, 2005

Friday–Saturday

Meeting #1004

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: January 2005

Program first available on AMS website: February 3, 2005

Program issue of electronic *Notices*: March 2005

Issue of *Abstracts*: Volume 26, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:

November 30, 2004

For abstracts: January 25, 2005

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses

Bennett Chow, University of California, San Diego, *Title to be announced.*

Robert McCann, University of Toronto, *Title to be announced.*

M. Susan Montgomery, University of Southern California, *Title to be announced.*

Special Sessions

Advances in the Study of Wavelets and Multiwavelets (Code: SS 5A), **Douglas P. Hardin**, Vanderbilt University, and **Bruce Kessler**, Western Kentucky University.

Commutative Ring Theory (Code: SS 11A), **Michael C. Axtell**, Wabash College, and **Joe Alyn Stickles Jr.**, University of Evansville.

Dynamic Equations on Time Scales and Applications (Code: SS 3A), **Ferhan M. Atici** and **Daniel C. Biles**, Western Kentucky University, and **Billur Kaymakcalan**, Georgia Southern University.

Graph Theory (Code: SS 2A), **Mustafa Atici**, Western Kentucky University.

Hopf Algebras and Related Topics (Code: SS 10A), **David E. Radford**, University of Illinois at Chicago, and **Bettina Richmond**, Western Kentucky University.

Knot Theory and Its Applications (Code: SS 4A), **Yuanan Diao**, University of North Carolina, Charlotte, and **Claus Ernst**, Western Kentucky University.

L-Functions (Code: SS 9A), **Heather Russell**, **Nilabh Sanat**, and **Dominic Lanphier**, Western Kentucky University.

Numerical Analysis, Approximation, and Computational Complexity: Interdisciplinary Aspects (Code: SS 1A), **David Benko**, Western Kentucky University, and **Steven B. Damelin**, Georgia Southern University.

Representation Theory (Code: SS 6A), **Markus Hunziker**, University of Georgia.

Semigroups of Operators and Applications (Code: SS 7A), **Khristo Boyadzhiev**, Ohio Northern University, **Lan Nguyen**, Western Kentucky University, and **Quoc-Phong Vu**, Ohio University.

Topology, Convergence, and Order, in Honor of Darrell Kent (Code: SS 8A), **Gary Richardson**, University of Central Florida, and **Thomas A. Richmond**, Western Kentucky University.

Newark, Delaware

University of Delaware

April 2–3, 2005

Saturday–Sunday

Meeting #1005

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: February 2005

Program first available on AMS website: February 17, 2005

Program issue of electronic *Notices*: April 2005

Issue of *Abstracts*: Volume 26, Issue 2

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:

December 14, 2004

For abstracts: February 8, 2005

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses

Xiu Xiong Chen, University of Wisconsin, *Title to be announced.*

Anna Gilbert, AT&T Labs-Research, *Title to be announced.*

Alex Lubotzky, Hebrew University of Jerusalem, *Title to be announced.*

Lorenz Schwachhoefer, University of Dortmund, *Title to be announced.*

Special Sessions

Arithmetic Groups and Related Topics (Code: SS 9A), **Alex Lubotzky**, Hebrew University of Jerusalem, and **Andrei Rapinchuk**, University of Virginia.

Asymptotic Behavior of Evolution Equations (Code: SS 4A), **Gaston M. N'Guerekata**, Morgan State University, and **Nguyen Van Minh**, James Madison University.

Designs, Codes, and Geometries (Code: SS 5A), **James A. Davis**, University of Richmond, **Keith E. Mellinger**, University of Mary Washington, and **Qing Xiang**, University of Delaware.

Frontiers on Complex Fluid Flows: Analytic and Computational Methods (Code: SS 7A), **L. Pamela Cook** and **Louis F. Rossi**, University of Delaware.

Geometric Analysis (Code: SS 12A), **Xiuxiong Chen**, University of Wisconsin, Madison, **Pengfei Guan**, McMaster University, **Zhiqin Lu**, University of California Irvine, and **Jeff A. Viaclovsky**, Massachusetts Institute of Technology.

High Dimensional Probability (Code: SS 6A), **Wenbo Li**, University of Delaware, and **Joel Zinn**, Texas A&M University.

Homotopy Theory (in Honor of Donald M. Davis's and Martin Bendersky's 60th Birthdays) (Code: SS 1A), **Kenneth G. Monks**, University of Scranton, and **W. Stephen Wilson**, Johns Hopkins University.

Integral and Operator Equations (Code: SS 13A), **Charles W. Groetsch**, University of Cincinnati, and **M. Zuhair Nashed**, University of Central Florida.

Mathematical Biology (Code: SS 8A), **David A. Edwards**, University of Delaware.

Mathematical Methods for Efficient Simulation of Stochastic Nonlinear Optical Systems (Code: SS 15A), **Richard O. Moore**, New Jersey Institute of Technology, and **Tobin A. Driscoll**, University of Delaware.

Mathematical Methods in Electromagnetic Wave Propagation (Code: SS 3A), **Fioralba Cakoni** and **Peter B. Monk**, University of Delaware.

Recent Progress in Thin Fluid Flows (Code: SS 11A), **Richard J. Braun**, University of Delaware.

Singular Analysis and Spectral Theory of Partial Differential Equations (Code: SS 2A), **Juan B. Gil**, Pennsylvania State University, Altoona, and **Gerardo A. Mendoza**, Temple University.

Spectral and High-Order Discretization Methods for Partial Differential Equations (Code: SS 14A), **Tobin A. Driscoll**, University of Delaware.

Symmetry Methods for Partial Differential Equations (Code: SS 10A), **Philip Broadbridge**, University of Delaware, and **Danny Arrigo**, University of Central Arkansas.

Lubbock, Texas

Texas Tech University

April 8–10, 2005

Friday–Sunday

Meeting #1006

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: February 2005

Program first available on AMS website: February 24, 2005

Program issue of electronic *Notices*: April 2005

Issue of *Abstracts*: Volume 26, Issue 3

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
December 21, 2004

For abstracts: February 15, 2005

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtg/sectional.html.

Invited Addresses

Nikolai Ivanov, Michigan State University, *Title to be announced.*

Mattias Jonsson, University of Michigan, *Title to be announced.*

Nicolas Monod, University of Chicago, *Title to be announced.*

Hee Oh, California Institute of Technology, *Title to be announced.*

Special Sessions

Classical and Differential Galois Theory (Code: SS 3A), **Lourdes Juan** and **Arne Ledet**, Texas Tech University, and **Andy R. Magid**, University of Oklahoma.

Differential Geometry and Its Applications (Code: SS 2A), **Josef F. Dorfmeister**, Munich University of Technology, **Magdalena D. Toda**, Texas Tech University, and **Hongyou Wu**, Northern Illinois University.

Extinction, Periodicity, and Chaos in Population and Epidemic Models (Code: SS 10A), **Linda J. S. Allen**, Texas Tech University, **Sophia Ruey-Jen Jang**, University of Louisiana at Lafayette, and **Lih-Ing W. Roeger**, Texas Tech University.

Future Directions in Mathematical Systems and Control Theory (Code: SS 11A), **David Gilliam** and **W. P. Dayawansa**, Texas Tech University.

Homological Algebra and Its Applications (Code: SS 4A), **Alex Martsinkovsky**, Northeastern University, and **Mara D. Neusel**, Texas Tech University.

Invariants of Links and 3-Manifolds (Code: SS 8A), **Mieczyslaw Krzysztof Dabkowski**, University of Texas at Dallas,

Razvan Gelca, Texas Tech University, and **Jozef Henryk Przytycki**, George Washington University.

Real Algebraic Geometry (Code: SS 6A), **Anatoly Korcha-gin** and **David Weinberg**, Texas Tech University.

Recent Advances in Complex Function Theory (Code: SS 5A), **Brock Williams**, **Roger W. Barnard**, and **Kent Pearce**, Texas Tech University.

Theory and Application of Stochastic Differential Equations (Code: SS 9A), **Edward J. Allen**, Texas Tech University, and **Armando Arciniega**, University of Texas at San Antonio.

Topology of Continua (Code: SS 1A), **Wayne Lewis**, Texas Tech University.

Topology of Dynamical Systems (Code: SS 7A), **Brian Raines**, Baylor University.

Santa Barbara, California

University of California Santa Barbara

April 16–17, 2005

Saturday–Sunday

Meeting #1007

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: February 2005

Program first available on AMS website: March 3, 2005

Program issue of electronic *Notices*: April 2005

Issue of *Abstracts*: Volume 26, Issue 3

Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions:
December 28, 2004

For abstracts: February 22, 2005

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses

Mei-Chu Chang, University of California Riverside, *Title to be announced.*

Mischa Kapovich, University of California Davis, *Title to be announced.*

Mihai Putinar, University of California Santa Barbara, *Title to be announced.*

James Sethian, University of California Berkeley, *Title to be announced.*

Special Sessions

Automorphisms of Surfaces (Code: SS 4A), **Anthony Weaver**, Bronx Community College of the City University of New York.

Complexity of Computation and Algorithms (Code: SS 10A), **Mark Burgin**, University of California Los Angeles.

Dynamical Systems in Neuroscience (Code: SS 1A), **Eugene M. Izhikevich**, The Neurosciences Institute.

Geometric Methods in Three Dimensions (Code: SS 6A), **Daryl Cooper**, **David Darren Long**, and **Martin G. Scharlemann**, University of California Santa Barbara.

Geometry and Physics (Code: SS 8A), **Xianzhe Dai**, University of California Santa Barbara, and **Zhiqin Lu**, University of California Irvine.

History of Mathematics (Code: SS 2A), **Shawnee L. McMurrin**, California State University San Bernardino, and **James J. Tattersall**, Providence College.

Noncommutative Geometry and Algebra (Code: SS 5A), **Kenneth R. Goodearl**, University of California Santa Barbara, **J. T. Stafford**, University of Michigan, and **J. J. Zhang**, University of Washington.

Recent Advances in Combinatorial Number Theory (Code: SS 3A), **Mei-Chu Chang**, University of California Riverside, and **Van Ha Vu**, University of California San Diego.

Representation Theory of Algebras (Code: SS 7A), **Alex Martsinkovsky**, Northeastern University, **Dan Zacharia**, Syracuse University, and **Birge K. Huisgen-Zimmermann**, University of California Santa Barbara.

Ricci Flow/Riemannian Geometry (Code: SS 9A), **Guofang Wei** and **Rugang Ye**, University of California Santa Barbara.

Mainz, Germany

June 16–19, 2005

Thursday–Sunday

Meeting #1008

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

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: February 2005

Program first available on AMS website: N/A

Program issue of electronic *Notices*: N/A

Issue of *Abstracts*: N/A

Deadlines

For organizers: Expired

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

For abstracts: To be announced

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/internmtgs.html.

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.*

Christian Krattenthaler, University of Lyon-I, *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.*

Special Sessions

Affine Algebraic Geometry, **Shreeram Abhyankar**, Purdue University, **Hubert Flenner**, Fakultät für Mathematik, and **Makar Limanov**, Wayne State University.

Algebraic Combinatorics, **Patricia Hersh**, University of Michigan, **Christian Krattenthaler**, University of Lyon-I, and **Volkmar Welker**, Philipps University Marburg.

Algebraic Cryptography, **Dorian Goldfeld**, Columbia University, **Martin Kreuzer** and **Gerhard Rosenberger**, Universität Dortmund, and **Vladimir Shpilrain**, City College of New York.

Algebraic Cycles, **Eric Friedlander** and **Marc Levine**, Northwestern University, and **Fabien Morel**, Université Paris.

Algebraic Geometry, **Yuri Tschinkel**, Georg-August-Universität Göttingen, and **Brendan E. Hassett**, Rice University.

Dirac Operators, Clifford Analysis and Applications, **Klaus Gürlebeck**, University of Weimar, **Mircea Martin**, Baker University, **John Ryan**, University of Arkansas, and **Michael Shapiro**, IPN Mexico.

Discrete Geometry, **Jacob Eli Goodman**, The City College of New York (CUNY), **Emo Welzl**, Eidgen Technische Hochschule, and **Gunter M. Ziegler**, Technical University of Berlin.

Function Spaces and Their Operators, **Ernst Albrecht**, Universität des Saarlandes, **Raymond Mortini**, Université de Metz, and **William Ross**, University of Richmond.

Functional Analytic and Complex Analytic Methods in Linear Partial Differential Equations, **R. Meise**, University of Dusseldorf, **B. A. Taylor**, University of Michigan, and **Dietmar Vogt**, University of Wuppertal.

Geometric Analysis, **Victor Nistor**, Pennsylvania State University, and **Elamr Schrohe**, Universität Hannover.

Geometric Topology and Group Theory, **Cameron McA. Gordon**, The University of Texas at Austin, **Cynthia Hog-Angeloni**, Johann Wolfgang Goethe-Universität, and **Wolfgang Metzler**, University of Frankfurt.

Group Theory, **Luise-Charlotte Kappe**, Universität Freiburg, **Robert Fitzgerald Morse**, University of Evansville, and **Gerhard Rosenberger**, University of Dortmund.

Hilbert Functions and Syzygies, **Uwe Nagel**, University of Kentucky, **Irena Peeva**, Cornell University, and **Tim Römer**, Universität Osnabrück.

History of Mathematics: Mathematics and War, **Thomas W. Archibald**, Acadia University, **John H. McCleary**, Vassar College, **Moritz Epple**, University of Stuttgart, and **Norbert Schappacher**, Technische Universität Darmstadt.

Homotopy Theory, **Paul G. Goerss**, Northwestern University, **Hans-Werner Henn**, Institut de Recherche Mathématique Avancée, Strasbourg, and **Stefan Schwede**, Universität Bonn.

Hopf Algebras and Quantum Groups, **Susan Montgomery**, University of Southern California, and **Hans-Jürgen Schneider**, University of Munich.

Mathematics Education, **Gunter Torner**, Universität Duisburg-Essen, and **Alan Schoenfeld**, School of Education, Berkeley.

Modules and Comodules, **Sergio López-Permouth**, Ohio University, and **Robert Wisbauer**, University of Düsseldorf.

Multiplicative Arithmetic of Integral Domains and Monoids, **Scott Chapman**, Trinity University, San Antonio, **Franz Halter-Koch**, University of Graz, and **Ulrich Krause**, Universität Bremen.

Nonlinear Elliptic Boundary Value Problems, **Thomas Bartsch**, Universitaet Giessen, and **Zhi-Qiang Wang**, Utah State University.

Nonlinear Waves, **Herbert Koch**, University of Dortmund, and **Daniel I. Tataru**, University of California Berkeley.

Ordinary Differential, Difference, and Dynamic Equations, **Werner Balser**, Universität Ulm, **Martin Bohner**, University of Missouri-Rolla, and **Donald Lutz**, San Diego State University.

Quantum Knot Invariants, **Anna Beliakova**, Universität Zürich, and **Uwe Kaiser**, Boise State University.

Representations and Cohomology of Groups and Algebras, **Dave Benson**, University of Georgia, and **Henning Krause**, Universität Paderborn.

Set Theory, **Joel Hamkins**, City University New York, **Peter Koepke**, Universität Bonn, and **Benedikt Löwe**, Universiteit van Amsterdam.

Spectral Analysis of Differential and Difference Operators, **Evgeni Korotyaev**, Humboldt-University Berlin, **Boris Mityagin**, The Ohio State University, and **Gerald Teschl**, University of Vienna.

Stochastic Analysis on Metric Spaces, **Laurent Saloff-Coste**, Cornell University, **Karl-Theodor Sturm**, University of Bonn, and **Wolfgang Woess**, Graz Technical University.

Topics in Applied Mathematics and Mechanics: Mathematical Control Theory and Numerical Methods, **Peter Benner**, Fakultät für Mathematik.

Topics in Applied Mathematics and Mechanics: Mechanics, **Friedrich Pfeiffer**, Technical University of Munich.

Topics in Applied Mathematics and Mechanics: Multiscale Problems, Oscillations in PDEs, and Homogenization, **Alexander Mielke**, University of Hannover.

Topics in Applied Mathematics and Mechanics: Numerical PDEs, Equations with Inherent Conditions, **Rolf Jeltsch**, Eidgen Technische Hochschule, **Maria Lukacova**, Technical

University of Brno, and **Mac Hyman**, Los Alamos National Laboratory.

Topics in Applied Mechanics: Algebraic Approaches to Preconditioning, **Heike Fassbender**, Technical University of Braunschweig, and **Andreas Frommer**, University of Wuppertal.

Topology of Manifolds, **Matthias Kreck**, University of Heidelberg, and **Andrew Ranicki**, University of Edinburgh.

Annandale-on-Hudson, New York

Bard College

October 8–9, 2005

Saturday–Sunday

Meeting #1009

Eastern Section

Associate secretary: Lesley M. Sibner

Announcement issue of *Notices*: August 2005

Program first available on AMS website: August 25, 2005

Program issue of electronic *Notices*: October 2005

Issue of *Abstracts*: Volume 26, Issue 4

Deadlines

For organizers: March 8, 2005

For consideration of contributed papers in Special Sessions:
June 21, 2005

For abstracts: August 16, 2005

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtg/sectional.html.

Invited Addresses

Persi Diaconis, Stanford University, *Title to be announced* (Erdős Memorial Lecture).

Johnson City, Tennessee

East Tennessee State University

October 15–16, 2005

Saturday–Sunday

Meeting #1010

Southeastern Section

Associate secretary: John L. Bryant

Announcement issue of *Notices*: August 2005

Program first available on AMS website: September 1, 2005

Program issue of electronic *Notices*: October 2005

Issue of *Abstracts*: Volume 26, Issue 4

Deadlines

For organizers: March 15, 2005

For consideration of contributed papers in Special Sessions:
June 28, 2005

For abstracts: August 23, 2005

Lincoln, Nebraska

University of Nebraska in Lincoln

October 21–23, 2005

Friday–Sunday

Meeting #1011

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: August 2005

Program first available on AMS website: September 8, 2005

Program issue of electronic *Notices*: October 2005

Issue of *Abstracts*: Volume 26, Issue 4

Deadlines

For organizers: March 22, 2005

For consideration of contributed papers in Special Sessions:
July 5, 2005

For abstracts: August 30, 2005

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtg/sectional.html.

Invited Addresses

Howard Masur, University of Illinois at Chicago, *Title to be announced*.

Alejandro Uribe, University of Michigan, *Title to be announced*.

Judy Walker, University of Nebraska, *Title to be announced*.

Jack Xin, University of Texas, *Title to be announced*.

Special Sessions

Algebraic Geometry (Code: SS 1A), **Brian Harbourne**, University of Nebraska-Lincoln, and **Bangere P. Purnaprajna**, University of Kansas.

Eugene, Oregon

University of Oregon

November 12–13, 2005

Saturday–Sunday

Meeting #1012

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: September 2005

Program first available on AMS website: September 29, 2005

Program issue of electronic *Notices*: November 2005

Issue of *Abstracts*: Volume 26, Issue 4

Deadlines

For organizers: April 12, 2005

For consideration of contributed papers in Special Sessions:
July 26, 2005

For abstracts: September 20, 2005

Taiwan

December 14–18, 2005

Wednesday–Sunday

Meeting #1013

First Joint International Meeting between the AMS and the Taiwanese Mathematical Society.

Associate secretary: John L. Bryant

Announcement issue of *Notices*: May 2005

Program first available on AMS website: N/A

Program issue of electronic *Notices*: N/A

Issue of *Abstracts*: N/A

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), the winter meeting of the Association for Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

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

Durham, New Hampshire

University of New Hampshire

April 22–23, 2006

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 22, 2005

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

For abstracts: To be announced

San Francisco, California

San Francisco State University

April 29–30, 2006

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

Fayetteville, Arkansas

University of Arkansas

November 3–4, 2006

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: April 3, 2006
 For consideration of contributed papers in Special Sessions:
 To be announced
 For abstracts: 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), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

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

San Francisco, California

*Moscone Center West and the
 San Francisco Marriott*

January 6–9, 2010

Wednesday–Saturday

Joint Mathematics Meetings, including the 116th Annual Meeting of the AMS, 93rd 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: John L. Bryant

Announcement issue of *Notices*: October 2009

Program first available on AMS website: November 1, 2009
Program issue of electronic *Notices*: January 2010
Issue of *Abstracts*: Volume 31, Issue 1

Deadlines

For organizers: April 5, 2009
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 3–8, 2011

Monday–Saturday

Joint Mathematics Meetings, including the 117th Annual Meeting of the AMS, 94th 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: Susan J. Friedlander

Announcement issue of *Notices*: October 2010

Program first available on AMS website: November 1, 2010

Program issue of electronic *Notices*: January 2011

Issue of *Abstracts*: Volume 32, Issue 1

Deadlines

For organizers: April 2, 2010
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