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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/>. Final programs for Sectional Meetings will be archived on the AMS website accessible from the stated URL and in an electronic issue of the *Notices* as noted below for each meeting.

## Oxford, Mississippi

*University of Mississippi*

**March 1–3, 2013**

*Friday – Sunday*

**Meeting #1087**

Southeastern Section

Associate secretary: Brian D. Boe

Announcement issue of *Notices*: December 2012

Program first available on AMS website: December 13, 2012

Program issue of electronic *Notices*: March 2013

Issue of *Abstracts*: Volume 34, Issue 2

### 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](http://www.ams.org/amsmtgs/sectional.html).*

### Invited Addresses

**Patricia Hersh**, North Carolina State University, *An interplay of combinatorics with topology*.

**Daniel Krashen**, University of Georgia, *Topology, arithmetic, and the structure of algebraic groups*.

**Washington Mio**, Florida State University, *Taming shapes and understanding their variation*.

**Slawomir Solecki**, University of Illinois at Urbana-Champaign, *An abstract approach to Ramsey theory with applications*.

### Special Sessions

*Algebraic Combinatorics*, **Patricia Hersh**, North Carolina State University, and **Dennis Stanton**, University of Minnesota.

*Approximation Theory and Orthogonal Polynomials*, **David Benko**, University of South Alabama, **Erwin Mina-Diaz**, University of Mississippi, and **Edward Saff**, Vanderbilt University.

*Banach Spaces and Operators on Them*, **Qingying Bu** and **Gerard Buskes**, University of Mississippi, and **William B. Johnson**, Texas A&M University.

*Commutative Algebra*, **Sean Sather-Wagstaff**, North Dakota State University, and **Sandra M. Spiroff**, University of Mississippi.

*Connections between Matroids, Graphs, and Geometry*, **Stan Dziobiak**, **Talmage James Reid**, and **Haidong Wu**, University of Mississippi.

*Dynamical Systems*, **Alexander Grigo**, University of Oklahoma, and **Saša Kocić**, University of Mississippi.

*Fractal Geometry and Ergodic Theory*, **Mrinal Kanti Roychowdhury**, University of Texas-Pan American.

*Graph Theory*, **Laura Sheppardson** and **Bing Wei**, University of Mississippi, and **Hehui Wu**, McGill University.

*Modern Methods in Analytic Number Theory*, **Nathan Jones** and **Micah B. Milinovich**, University of Mississippi, and **Frank Thorne**, University of South Carolina.

*Set Theory and Its Applications*, **Christian Rosendal**, University of Illinois at Chicago, and **Slawomir Solecki**, University of Illinois at Urbana-Champaign.

## Chestnut Hill, Massachusetts

*Boston College*

**April 6–7, 2013**

*Saturday – Sunday*

**Meeting #1088**

Eastern Section

Associate secretary: Steven H. Weintraub

Announcement issue of *Notices*: January 2013

Program first available on AMS website: February 21, 2013

Program issue of electronic *Notices*: April 2013

Issue of *Abstracts*: Volume 34, Issue 2

### 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](http://www.ams.org/amsmtg/sectional.html).*

### Invited Addresses

**Roman Bezrukavnikov**, Massachusetts Institute of Technology, *Canonical bases and geometry*.

**Marston Conder**, University of Auckland, *Discrete objects with maximum possible symmetry*.

**Alice Guionnet**, École Normale Supérieure de Lyon, *Title to be announced*.

**Yanir Rubinstein**, University of Maryland, *Geometry: (very) local meets global*.

### Special Sessions

*Algebraic and Geometric Structures of 3-manifolds*, **Ian Biringer**, **Tao Li**, and **Robert Meyerhoff**, Boston College.

*Algorithmic Problems of Group Theory and Applications to Information Security*, **Delaram Kahrobaei**, City University of New York Graduate Center and New York College of Technology, and **Vladimir Shpilrain**, City College of New York and City University of New York Graduate Center.

*Arithmetic Dynamics and Galois Theory*, **John Cullinan**, Bard College, and **Farshid Hajir** and **Siman Wong**, University of Massachusetts, Amherst.

*Combinatorics and Classical Integrability*, **Amanda Redlich** and **Shabnam Beheshti**, Rutgers University.

*Commuting Matrices and the Hilbert Scheme*, **Anthony Iarrobino**, Northeastern University, and **Leila Khatami**, Union College.

*Complex Geometry and Microlocal Analysis*, **Victor W. Guillemin** and **Richard B. Melrose**, Massachusetts Institute of Technology, and **Yanir A. Rubinstein**, Stanford University.

*Counting and Equidistribution on Symmetric Spaces*, **Dubi Kelmer**, Boston College, and **Alex Kontorovich**, Yale University.

*Discrete Geometry of Polytopes*, **Barry Monson**, University of New Brunswick, and **Egon Schulte**, Northeastern University.

*Financial Mathematics*, **Hasanjan Sayit** and **Stephan Sturm**, Worcester Polytechnic Institute.

*History and Philosophy of Mathematics*, **James J. Tattersall**, Providence College, and **V. Frederick Rickey**, United States Military Academy.

*Homological Invariants in Low-dimensional Topology*, **John Baldwin**, **Joshua Greene**, and **Eli Grigsby**, Boston College.

*Homology and Cohomology of Arithmetic Groups*, **Avner Ash**, Boston College, **Darrin Doud**, Brigham Young University, and **David Pollack**, Wesleyan University.

*Hopf Algebras and their Applications*, **Timothy Kohl**, Boston University, and **Robert Underwood**, Auburn University Montgomery.

*Moduli Spaces in Algebraic Geometry*, **Dawei Chen** and **Maksym Fedorchuk**, Boston College, and **Joe Harris** and **Yu-Jong Tzeng**, Harvard University.

*Real and Complex Dynamics of Difference Equations with Applications*, **Ann Brett**, Johnson and Wales University, and **M. R. S. Kulenovic**, University of Rhode Island.

*Recursion and Definability*, **Rachel Epstein**, Harvard University, **Karen Lange**, Wellesley College, and **Russell Miller**, Queens College and City University of New York Graduate Center.

*Research by Undergraduates and Students in Post-Baccalaureate Programs*, **Chi-Keung Cheung**, Boston College, **David Damiano**, College of the Holy Cross, **Steven J. Miller**, Williams College, and **Suzanne L. Weekes**, Worcester Polytechnic Institute.

*Topology and Generalized Cohomologies in Modern Condensed Matter Physics*, **Claudio Chamon** and **Robert Kotiuga**, Boston University.

## Boulder, Colorado

*University of Colorado Boulder*

**April 13–14, 2013**

*Saturday – Sunday*

**Meeting #1089**

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of *Notices*: January 2013

Program first available on AMS website: February 28, 2013

Program issue of electronic *Notices*: April 2013

Issue of *Abstracts*: Volume 34, Issue 2

**Deadlines**

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: February 19, 2013

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtgs/sectional.html](http://www.ams.org/amsmtgs/sectional.html).*

**Invited Addresses**

**Gunnar Carlsson**, Stanford University, *Title to be announced.*

**Jesus A. De Loera**, University of California, Davis, *Title to be announced.*

**Brendan Hassett**, Rice University, *Title to be announced.*

**Raphael Rouquier**, University of California Los Angeles, *Title to be announced.*

**Special Sessions**

*Advances in Mathematical Biology* (Code: SS 16A), **Lim-ing Wang**, California State University, Los Angeles, and **Jiangguo Liu**, Colorado State University.

*Algebraic Geometry* (Code: SS 14A), **Sebastian Casalaina-Martin**, University of Colorado, **Renzo Cavalieri**, Colorado State University, **Brendan Hassett**, Rice University, and **Jonathan Wise**, University of Colorado.

*Algebras, Lattices and Varieties* (Code: SS 5A), **Keith A. Kearnes** and **Ágnes Szendrei**, University of Colorado, Boulder.

*Analysis of Dynamics of the Incompressible Fluids* (Code: SS 18A), **Mimi Dai** and **Congming Li**, University of Colorado, Boulder.

*Arithmetic Statistics and Big Monodromy* (Code: SS 23A), **Jeff Achter**, Colorado State University, and **Chris Hall**, University of Wyoming.

*Associative Rings and Their Modules* (Code: SS 1A), **Greg Oman** and **Zak Mesyan**, University of Colorado, Colorado Springs.

*Cluster Algebras and Related Combinatorics* (Code: SS 6A), **Gregg Musiker**, University of Minnesota, **Kyungyong Lee**, Wayne State University, and **Li Li**, Oakland University.

*Combinatorial Avenues in Representation Theory* (Code: SS 21A), **Richard Green**, University of Colorado Boulder, **Anne Shepler**, University of North Texas, and **Nathaniel Thiem**, University of Colorado Boulder.

*Combinatorial and Computational Commutative Algebra and Algebraic Geometry* (Code: SS 7A), **Hirotschi Abo**, University of Idaho, **Zach Teitler**, Boise State University, and **Alexander Woo**, University of Idaho.

*Diophantine Approximation on Manifolds and Fractals: Dynamics, Measure Theory and Schmidt Games*. (Code: SS 15A), **Wolfgang Schmidt**, University of Colorado at Boulder, and **Lior Fishman**, University of North Texas.

*Dynamical Systems: Thermodynamic Formalism and Connections with Geometry* (Code: SS 10A), **Keith Burns**, Northwestern University, and **Dan Thompson**, The Ohio State University.

*Dynamics and Arithmetic Geometry* (Code: SS 2A), **Su-ion Ih**, University of Colorado at Boulder, and **Thomas J. Tucker**, University of Rochester.

*Elliptic Systems and Their Applications* (Code: SS 20A), **Wenxiong Chen**, Yeshiva University, and **Congming Li**, University of Colorado at Boulder.

*Extremal Graph Theory* (Code: SS 3A), **Michael Ferrara**, University of Colorado Denver, **Stephen Hartke**, University of Nebraska-Lincoln, and **Michael Jacobson**, University of Colorado Denver.

*Foundations of Computational Mathematics* (Code: SS 13A), **Susan Margulies**, Pennsylvania State University, and **Jesus De Loera**, University of California, Davis.

*Geometric Methods in the Representation Theory of Reductive Groups* (Code: SS 19A), **J. Matthew Douglass**, University of North Texas, **Gerhard Roehrl**, Ruhr-Universitaet Bochum, and **Rahbar Virk**, University of Colorado Boulder.

*Harmonic Analysis of Frames, Wavelets, and Tilings* (Code: SS 12A), **Veronika Furst**, Fort Lewis College, **Keri Kornelson**, University of Oklahoma, and **Eric Weber**, Iowa State University.

*Noncommutative Geometry and Geometric Analysis* (Code: SS 22A), **Carla Farsi** and **Alexander Gorokhovskiy**, University of Colorado, Boulder.

*Nonlinear Waves and Integrable Systems* (Code: SS 9A), **Christopher W. Curtis**, University of Colorado, Boulder, **Anton Dzhamay**, University of Northern Colorado, **Willy Hereman**, Colorado School of Mines, and **Barbara Prinari**, University of Colorado, Colorado Springs.

*Number Theory with a Focus on Diophantine Equations and Recurrence Sequences* (Code: SS 8A), **Patrick Ingram**, Colorado State University, and **Katherine E. Stange**, University of Colorado, Boulder.

*Set Theory and Boolean Algebras* (Code: SS 17A), **Natasha Dobrinen**, University of Denver, and **Don Monk**, University of Colorado, Boulder.

*Singular Spaces in Geometry, Topology, and Algebra* (Code: SS 11A), **Greg Friedman**, Texas Christian University, and **Laurentiu Maxim**, University of Wisconsin, Madison.

*Themes in Applied Mathematics: From Data Analysis through Fluid Flows and Biology to Topology* (Code: SS 4A), **Hanna Makaruk**, Los Alamos National Laboratory, and **Robert Owczarek**, University of New Mexico, and Enfitec, Inc.

# Ames, Iowa

Iowa State University

**April 27–28, 2013**

Saturday – Sunday

**Meeting #1090**

Central Section

Associate secretary: Georgia Benkart

Announcement issue of *Notices*: February 2013

Program first available on AMS website: March 14, 2013

Program issue of electronic *Notices*: April 2013

Issue of *Abstracts*: Volume 34, Issue 2

## Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: March 5, 2013

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtg/sectional.html](http://www.ams.org/amsmtg/sectional.html).*

## Invited Addresses

**Kevin Costello**, Northwestern University, *Title to be announced*.

**Marianne Csornyei**, University of Chicago, *Title to be announced*.

**Vladimir Markovic**, California Institute of Technology, *Title to be announced*.

**Endre Szemerédi**, Siemens Corporate Technology, *Title to be announced* (Erdős Memorial Lecture).

**Eitan Tadmor**, University of Maryland, *Title to be announced*.

## Special Sessions

*Algebraic and Geometric Combinatorics* (Code: SS 4A), **Sung Y. Song**, Iowa State University, and **Paul Terwilliger**, University of Wisconsin-Madison.

*Analysis, Dynamics and Geometry In and Around Teichmüller Spaces* (Code: SS 17A), **Alistair Fletcher**, Northern Illinois University, **Vladimir Markovic**, California Institute of Technology, and **Dragomir Saric**, Queens College CUNY.

*Commutative Algebra and its Environs* (Code: SS 6A), **Olgur Celikbas** and **Greg Piepmeyer**, University of Missouri, Columbia.

*Commutative Ring Theory* (Code: SS 8A), **Michael AxteLL**, University of St. Thomas, and **Joe Stickles**, Millikin University.

*Computability and Complexity in Discrete and Continuous Worlds* (Code: SS 11A), **Jack Lutz** and **Tim McNicholl**, Iowa State University.

*Computational Advances on Special Functions and Tropical Geometry* (Code: SS 14A), **Lubjana Beshaj**, Oakland University, and **Emma Previato**, Boston University.

*Control Theory and Qualitative Analysis of Partial Differential Equations* (Code: SS 16A), **George Avalos**, University of Nebraska-Lincoln, and **Scott Hansen**, Iowa State University.

*Discrete Methods and Models in Mathematical Biology* (Code: SS 18A), **Dora Matache**, University of Nebraska-Omaha, and **Stephen J. Willson**, Iowa State University.

*Extremal Combinatorics* (Code: SS 7A), **Steve Butler** and **Ryan Martin**, Iowa State University.

*Generalizations of Nonnegative Matrices and Their Sign Patterns* (Code: SS 3A), **Minerva Catral**, Xavier University, **Shaun Fallat**, University of Regina, and **Pauline van den Driessche**, University of Victoria.

*Geometric Elliptic and Parabolic Partial Differential Equations* (Code: SS 13A), **Brett Kotschwar**, Arizona State University, and **Xuan Hien Nguyen**, Iowa State University.

*Graphs, Hypergraphs and Counting* (Code: SS 26A), **Eva Czabarka** and **Laszlo Szekely**, University of South Carolina.

*Kinetic and Hydrodynamic PDE-based Descriptions of Multi-scale Phenomena* (Code: SS 25A), **James Evans** and **Hailiang Liu**, Iowa State University, and **Eitan Tadmor**, University of Maryland.

*Logic and Algebraic Logic* (Code: SS 9A), **Jeremy Alm**, Illinois College, and **Andrew Ylvisaker**, Iowa State University.

*Multi-Dimensional Dynamical Systems* (Code: SS 15A), **Jayadev Athreya**, University of Illinois, Urbana-Champaign, **Jonathan Chaika**, University of Chicago, and **Joseph Rosenblatt**, University of Illinois at Urbana-Champaign.

*Numerical Analysis and Scientific Computing* (Code: SS 20A), **Hailiang Liu**, **Songting Luo**, **James Rossmann**, and **Jue Yan**, Iowa State University.

*Numerical Methods for Geometric Partial Differential Equations* (Code: SS 22A), **Gerard Awanou**, University of Illinois at Chicago, and **Nicolae Tarfulea**, Purdue University.

*Operator Algebras and Topological Dynamics* (Code: SS 1A), **Benton L. Duncan**, North Dakota State University, and **Justin R. Peters**, Iowa State University.

*Partial Differential Equations* (Code: SS 12A), **Gary Lieberman** and **Paul Sacks**, Iowa State University, and **Mahamadi Warma**, University of Puerto Rico at Rio Piedras.

*Probabilistic and Multiscale Modeling Approaches in Cell and Systems Biology* (Code: SS 19A), **Jasmine Foo**, University of Minnesota, and **Anastasios Matzavinos**, Iowa State University.

*Quasigroups, Loops, and Nonassociative Division Algebras* (Code: SS 21A), **C. E. Ealy Jr.** and **Annegret Paul**, Western Michigan University, **Benjamin Phillips**, University of Michigan Dearborn, **J. D. Phillips**, Northern Michigan University, and **Petr Vojtechovsky**, University of Denver.

*Ring Theory and Noncommutative Algebra* (Code: SS 24A), **Victor Camillo**, University of Iowa, and **Miodrag C. Iovanov**, University of Bucharest and University of Iowa.

*Stochastic Processes with Applications to Physics and Control* (Code: SS 10A), **Jim Evans** and **Arka Ghosh**, Iowa State University, **Jon Peterson**, Purdue University, and **Alexander Roitershtein**, Iowa State University.

*Topology of 3-Manifolds* (Code: SS 23A), **Marion Campisi** and **Alexander Zupan**, University of Texas at Austin.

*Zero Forcing, Maximum Nullity/Minimum Rank, and Colin de Verdiere Graph Parameters* (Code: SS 2A), **Leslie Hogben**, Iowa State University and American Institute of Mathematics, and **Bryan Shader**, University of Wyoming.

# Alba Iulia, Romania

June 27–30, 2013

Thursday – Sunday

## Meeting #1091

*First Joint International Meeting of the AMS and the Romanian Mathematical Society, in partnership with the*

“*Simion Stoilow*” Institute of Mathematics of the Romanian Academy.

Associate secretary: Steven H. Weintraub

Announcement issue of *Notices*: January 2013

Program first available on AMS website: Not applicable

Program issue of electronic *Notices*: Not applicable

Issue of *Abstracts*: Not applicable

### Deadlines

For organizers: To be announced

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

For abstracts: To be announced

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtgs/internmtgs.html](http://www.ams.org/amsmtgs/internmtgs.html).*

### Invited Addresses

**Viorel Barbu**, Universitatea Al. I. Cuza, *Title to be announced*.

**Sergiu Klainerman**, Princeton University, *Title to be announced*.

**George Lusztig**, Massachusetts Institute of Technology, *Title to be announced*.

**Stefan Papadima**, Institute of Mathematics of the Romanian Academy, *Title to be announced*.

**Dan Timotin**, Institute of Mathematics of the Romanian Academy, *Title to be announced*.

**Srinivasa Varadhan**, New York University, *Title to be announced*.

### Special Sessions

*Algebraic Geometry*, **Marian Aprodu**, Institute of Mathematics of the Romanian Academy, **Mircea Mustata**, University of Michigan, Ann Arbor, and **Mihnea Popa**, University of Illinois, Chicago.

*Articulated Systems: Combinatorics, Geometry and Kinematics*, **Ciprian S. Borcea**, Rider University, and **Ileana Streinu**, Smith College.

*Calculus of Variations and Partial Differential Equations*, **Marian Bocea**, Loyola University, Chicago, **Liviu Ignat**, Institute of Mathematics of the Romanian Academy, **Mihai Mihailescu**, University of Craiova, and **Daniel Onofrei**, University of Houston.

*Commutative Algebra*, **Florian Enescu**, Georgia State University, and **Cristodor Ionescu**, Institute of Mathematics of the Romanian Academy.

*Discrete Mathematics and Theoretical Computer Science*, **Sebastian Cioaba**, University of Delaware, **Gabriel Istrate**, Universitatea de Vest, Timisoara, **Ioan Tomescu**, University of Bucharest, and **Marius Zimand**, Towson University.

*Domain Decomposition Methods and their Applications in Mechanics and Engineering*, **Lori Badea**, Institute of Mathematics of the Romanian Academy, and **Marcus Sarkis**, Worcester Polytechnic Institute.

*Geometry and Topology of Arrangements of Hypersurfaces*, **Daniel Matei**, Institute of Mathematics of the Romanian Academy, and **Alexandru I. Suciu**, Northeastern University.

*Harmonic Analysis and Applications*, **Ciprian Demeter**, Indiana University, Bloomington, and **Camil Muscalu**, Cornell University.

*Hopf Algebras, Coalgebras, and their Categories of Representations*, **Miodrag C. Iovanov**, University of Bucharest and University of Iowa, **Susan Montgomery**, University of Southern California, and **Siu-Hung Ng**, Iowa State University.

*Local and Nonlocal Models in Wave Propagation and Diffusion*, **Anca V. Ion**, Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy, **Petronela Radu**, University of Nebraska, Lincoln, and **Lorena Bociu**, North Carolina State University.

*Mathematical Finance, Stochastic Analysis, and Partial Differential Equations*, **Lucian Beznea**, Institute of Mathematics of the Romanian Academy, **Paul Feehan**, Rutgers University, **Victor Nistor**, Pennsylvania State University, **Camelia Pop**, University of Pennsylvania, and **Mihai Sirbu**, University of Texas, Austin.

*Mathematical Models in Life and Environment*, **Gabriela Marinoschi**, Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy, and **Fabio Augusto Milner**, Arizona State University.

*Mathematical Models in Materials Science and Engineering*, **Marian Bocea**, Loyola University, Chicago, and **Bogdan Vernescu**, Worcester Polytechnic Institute.

*Noncommutative Ring Theory and Applications*, **Toma Albu**, Institute of Mathematics of the Romanian Academy, and **Lance W. Small**, University of California, San Diego.

*Nonlinear Evolution Equations*, **Daniel Tataru**, University of California, Berkeley, and **Monica Visan**, University of California, Los Angeles.

*Operator Algebra and Noncommutative Geometry*, **Marius Dadarlat**, Purdue University, and **Florin Radulescu**, Institute of Mathematics of the Romanian Academy and University of Rome Tor Vergata.

*Operator Theory and Function Spaces*, **Aurelian Gheondea**, Institute of Mathematics of the Romanian Academy and Bilkent University, **Mihai Putinar**, University of California, Santa Barbara, and **Dan Timotin**, Institute of Mathematics of the Romanian Academy.

*Probability and its Relation to Other Fields of Mathematics*, **Krzysztof Burdzy**, University of Washington, and **Mihai N. Pascu**, Transilvania University of Braşov.

*Random Matrices and Free Probability*, **Ioana Dumitriu**, University of Washington, and **Ionel Popescu**, Georgia Institute of Technology and Institute of Mathematics of the Romanian Academy.

*Several Complex Variables, Complex Geometry and Dynamics*, **Dan Coman**, Syracuse University, and **Cezar Joiţa**, Institute of Mathematics of the Romanian Academy.

*Topics in Geometric and Algebraic Topology*, **Stefan Papadima**, Institute of Mathematics of the Romanian Academy, and **Alexandru I. Suciu**, Northeastern University.

# Louisville, Kentucky

University of Louisville

October 5–6, 2013

Saturday – Sunday

## Meeting #1092

Southeastern Section

Associate secretary: Brian D. Boe

Announcement issue of *Notices*: June 2013

Program first available on AMS website: August 22, 2013

Program issue of electronic *Notices*: October 2013

Issue of *Abstracts*: Volume 34, Issue 3

## Deadlines

For organizers: March 5, 2013

For consideration of contributed papers in Special Sessions: June 18, 2013

For abstracts: August 13, 2013

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtgs/sectional.html](http://www.ams.org/amsmtgs/sectional.html).*

## Invited Addresses

**Michael Hill**, University of Virginia, *Title to be announced.*

**Suzanne Lenhart**, University of Tennessee, *Title to be announced.*

**Ralph McKenzie**, Vanderbilt University, *Title to be announced.*

**Victor Moll**, Tulane University, *Title to be announced.*

## Special Sessions

*Commutative Rings, Ideals, and Modules* (Code: SS 3A), **Ela Celikbas** and **Olgur Celikbas**, University of Missouri-Columbia.

*Extremal Graph Theory* (Code: SS 2A), **Jozsef Balogh**, University of Illinois at Urbana-Champaign, and **Louis DeBiasio** and **Tao Jiang**, Miami University, Oxford, OH.

*Set Theory and Its Applications* (Code: SS 1A), **Paul Larson**, Miami University, **Justin Moore**, Cornell University, and **Grigor Sargsyan**, Rutgers University.

# Philadelphia, Pennsylvania

Temple University

October 12–13, 2013

Saturday – Sunday

## Meeting #1093

Eastern Section

Associate secretary: Steven H. Weintraub

Announcement issue of *Notices*: June 2013

MARCH 2013

Program first available on AMS website: To be announced  
Program issue of electronic *Notices*: October 2013  
Issue of *Abstracts*: Volume 34, Issue 3

## Deadlines

For organizers: March 12, 2013

For consideration of contributed papers in Special Sessions: June 25, 2013

For abstracts: August 20, 2013

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtgs/sectional.html](http://www.ams.org/amsmtgs/sectional.html).*

## Invited Addresses

**Patrick Brosnan**, University of Maryland, *Title to be announced.*

**Xiaojung Huang**, Rutgers University, *Title to be announced.*

**Barry Mazur**, Harvard University, *Title to be announced* (Erdős Memorial Lecture).

**Robert Strain**, University of Pennsylvania, *Title to be announced.*

## Special Sessions

*Contact and Symplectic Topology* (Code: SS 5A), **Joshua M. Sabloff**, Haverford College, and **Lisa Traynor**, Bryn Mawr College.

*Geometric and Spectral Analysis* (Code: SS 3A), **Thomas Krainer**, Pennsylvania State Altoona, and **Gerardo A. Mendoza**, Temple University.

*Higher Structures in Algebra, Geometry and Physics* (Code: SS 2A), **Jonathan Block**, University of Pennsylvania, **Vasily Dolgushev**, Temple University, and **Tony Pantev**, University of Pennsylvania.

*History of Mathematics in America* (Code: SS 4A), **Thomas L. Bartlow**, Villanova University, **Paul R. Wolfson**, West Chester University, and **David E. Zitarelli**, Temple University.

*Recent Advances in Harmonic Analysis and Partial Differential Equations* (Code: SS 1A), **Cristian Gutiérrez** and **Irina Mitrea**, Temple University.

*Recent Developments in Noncommutative Algebra* (Code: SS 6A), **Edward Letzter** and **Martin Lorenz**, Temple University.

*Several Complex Variables and CR Geometry* (Code: SS 7A), **Andrew Raich**, University of Arkansas, and **Yuan Zhang**, Indiana University-Purdue University Fort Wayne.

# St. Louis, Missouri

Washington University

October 18–20, 2013

Friday – Sunday

## Meeting #1094

Central Section

Associate secretary: Georgia Benkart

Announcement issue of *Notices*: August 2013  
Program first available on AMS website: September 5, 2013  
Program issue of electronic *Notices*: October 2013  
Issue of *Abstracts*: Volume 34, Issue 4

### Deadlines

For organizers: March 20, 2013  
For consideration of contributed papers in Special Sessions: July 2, 2013  
For abstracts: August 27, 2013

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtgs/sectional.html](http://www.ams.org/amsmtgs/sectional.html).*

### Invited Addresses

**Ronny Hadani**, University of Texas at Austin, *Title to be announced.*  
**Effie Kalfagianni**, Michigan State University, *Title to be announced.*  
**Jon Kleinberg**, Cornell University, *Title to be announced.*  
**Vladimir Sverak**, University of Minnesota, *Title to be announced.*

### Special Sessions

*Algebraic and Combinatorial Invariants of Knots* (Code: SS 1A), **Heather Dye**, McKendree University, **Allison Henrich**, Seattle University, and **Louis Kauffman**, University of Illinois.  
*Computability Across Mathematics* (Code: SS 2A), **Wesley Calvert**, Southern Illinois University, and **Johanna Franklin**, University of Connecticut.  
*Geometric Topology in Low Dimensions* (Code: SS 4A), **William H. Kazez**, University of Georgia, and **Rachel Roberts**, Washington University in St. Louis.  
*Interactions between Geometric and Harmonic Analysis* (Code: SS 3A), **Leonid Kovalev**, Syracuse University, and **Jeremy Tyson**, University of Illinois, Urbana-Champaign.  
*Noncommutative Rings and Modules* (Code: SS 5A), **Greg Marks** and **Ashish Srivastava**, St. Louis University.

## Riverside, California

*University of California Riverside*

**November 2–3, 2013**

*Saturday – Sunday*

### Meeting #1095

Western Section  
Associate secretary: Michel L. Lapidus  
Announcement issue of *Notices*: August 2013  
Program first available on AMS website: September 19, 2013  
Program issue of electronic *Notices*: November 2013  
Issue of *Abstracts*: Volume 34, Issue 4

### Deadlines

For organizers: April 2, 2013

For consideration of contributed papers in Special Sessions: July 15, 2013  
For abstracts: September 10, 2013

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtgs/sectional.html](http://www.ams.org/amsmtgs/sectional.html).*

### Invited Addresses

**Michael Christ**, University of California, Berkeley, *Title to be announced.*  
**Mark Gross**, University of California, San Diego, *Title to be announced.*  
**Matilde Marcolli**, California Institute of Technology, *Title to be announced.*  
**Paul Vojta**, University of California, Berkeley, *Title to be announced.*

### Special Sessions

*Computer, Mathematics, Imaging, Technology, Network, Health, Big Data, and Statistics* (Code: SS 3A), **Subir Ghosh**, University of California, Riverside.  
*Developments in Markov Chain Theory and Methodology* (Code: SS 2A), **Jason Fulman**, University of California, Riverside, and **Mark Huber**, Claremont McKenna College.  
*The Mathematics of Planet Earth* (Code: SS 1A), **John Baez**, University of California, Riverside.

## Baltimore, Maryland

*Baltimore Convention Center, Hilton Baltimore, and Baltimore Marriott Inner Harbor Hotel*

**January 15–18, 2014**

*Wednesday – Saturday*

### Meeting #1096

*Joint Mathematics Meetings, including the 120th Annual Meeting of the AMS, 97th 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: Georgia Benkart  
Announcement issue of *Notices*: October 2013  
Program first available on AMS website: November 1, 2013  
Program issue of electronic *Notices*: January 2013  
Issue of *Abstracts*: Volume 35, Issue 1

### Deadlines

For organizers: April 1, 2013  
For consideration of contributed papers in Special Sessions: To be announced  
For abstracts: To be announced

# Knoxville, Tennessee

*University of Tennessee, Knoxville*

**March 21–23, 2014**

*Friday – Sunday*

## Meeting #1097

Southeastern Section

Associate secretary: Brian D. Boe

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

## Deadlines

For organizers: August 21, 2013

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

For abstracts: To be announced

# Baltimore, Maryland

*University of Maryland, Baltimore County*

**March 29–30, 2014**

*Saturday – Sunday*

## Meeting #1098

Eastern Section

Associate secretary: Steven H. Weintraub

Announcement issue of *Notices*: January 2014

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: March 2014

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

# Albuquerque, New Mexico

*University of New Mexico*

**April 5–6, 2014**

*Saturday – Sunday*

## Meeting #1099

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*: April 2014

MARCH 2013

Issue of *Abstracts*: To be announced

## Deadlines

For organizers: September 5, 2013

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

For abstracts: February 11, 2014

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtg/sectional.html](http://www.ams.org/amsmtg/sectional.html).*

## Special Sessions

*The Inverse Problem and Other Mathematical Methods Applied in Physics and Related Sciences* (Code: SS 1A), **Hanna Makaruk**, Los Alamos National Laboratory, and **Robert Owczarek**, University of New Mexico and Enfitek, Inc.

# Lubbock, Texas

*Texas Tech University*

**April 11–13, 2014**

*Friday – Sunday*

## Meeting #2000

Central Section

Associate secretary: Georgia Benkart

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 18, 2013

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/amsmtg/sectional.html](http://www.ams.org/amsmtg/sectional.html).*

## Special Sessions

*Topology and Physics* (Code: SS 1A), **Razvan Gelca** and **Alastair Hamilton**, Texas Tech University.

# Tel Aviv, Israel

*Bar-Ilan University, Ramat-Gan and Tel-Aviv University, Ramat-Aviv*

**June 16–19, 2014**

*Monday – Thursday*

*The 2nd Joint International Meeting between the AMS and the Israel Mathematical Union.*



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

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtg/internmtgs.html](http://www.ams.org/amsmtg/internmtgs.html).*

#### Special Sessions

*Mirror Symmetry and Representation Theory*, David Kazhdan, Hebrew University, and Roman Bezrukavnikov, Massachusetts Institute of Technology.

*Nonlinear Analysis and Optimization*, Boris Mordukhovich, Wayne State University, and Simeon Reich and Alexander Zaslavski, The Technion-Israel Institute of Technology.

*Qualitative and Analytic Theory of ODE's*, Yosef Yomdin, Weizmann Institute.

## Eau Claire, Wisconsin

*University of Wisconsin-Eau Claire*

**September 20–21, 2014**

*Saturday - Sunday*

Central Section

Associate secretary: Georgia Benkart  
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: February 20, 2014  
For consideration of contributed papers in Special Sessions: To be announced  
For abstracts: August 5, 2014

## Halifax, Canada

*Dalhousie University*

**October 18–19, 2014**

*Saturday - Sunday*

Eastern Section

Associate secretary: Steven H. Weintraub  
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 18, 2014  
For consideration of contributed papers in Special Sessions: To be announced  
For abstracts: To be announced

## San Francisco, California

*San Francisco State University*

**October 25–26, 2014**

*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*: October 2014  
Issue of *Abstracts*: To be announced

#### Deadlines

For organizers: March 25, 2014  
For consideration of contributed papers in Special Sessions: To be announced  
For abstracts: September 3, 2014

## Greensboro, North Carolina

*University of North Carolina, Greensboro*

**November 8–9, 2014**

*Saturday - Sunday*

Southeastern Section

Associate secretary: Brian D. Boe  
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

## San Antonio, Texas

*Henry B. Gonzalez Convention Center and Grand Hyatt San Antonio*

**January 10–13, 2015**

*Saturday – Tuesday*

*Joint Mathematics Meetings, including the 121st Annual Meeting of the AMS, 98th 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 of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).*

Associate secretary: Steven H. Weintraub

Announcement issue of *Notices*: October 2014

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2015

Issue of *Abstracts*: Volume 36, Issue 1

### Deadlines

For organizers: April 1, 2014

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

For abstracts: To be announced

## Las Vegas, Nevada

*University of Nevada, Las Vegas*

**April 18–19, 2015**

*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: September 18, 2014

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

For abstracts: To be announced

## Porto, Portugal

*University of Porto*

**June 11–14, 2015**

*Thursday – Sunday*

*First Joint International Meeting between the AMS and the Sociedade Portuguesa de Matemática.*

Associate secretary: Georgia Benkart

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*: Not applicable

### Deadlines

For organizers: To be announced

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

For abstracts: To be announced

## Chicago, Illinois

*Loyola University Chicago*

**October 3–4, 2015**

*Saturday – Sunday*

Central Section

Associate secretary: Georgia Benkart

Announcement issue of *Notices*: To be announced

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: October 2015

Issue of *Abstracts*: To be announced

### Deadlines

For organizers: March 10, 2015

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

For abstracts: To be announced

## Fullerton, California

*California State University, Fullerton*

**October 24–25, 2015**

*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*: October 2015

Issue of *Abstracts*: To be announced

### Deadlines

For organizers: March 27, 2015

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

For abstracts: To be announced

## Seattle, Washington

*Washington State Convention Center and the Sheraton Seattle Hotel*

**January 6–9, 2016**

*Wednesday – Saturday*

*Joint Mathematics Meetings, including the 122nd Annual Meeting of the AMS, 99th Annual Meeting of the Math-*

ematical 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 of 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 2015

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2016

Issue of *Abstracts*: Volume 37, Issue 1

#### Deadlines

For organizers: April 1, 2015

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

For abstracts: To be announced

## Atlanta, Georgia

*Hyatt Regency Atlanta and Marriott Atlanta Marquis*

#### January 4–7, 2017

*Wednesday – Saturday*

*Joint Mathematics Meetings, including the 123rd Annual Meeting of the AMS, 100th 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 of Symbolic Logic, with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).*

Associate secretary: Georgia Benkart

Announcement issue of *Notices*: October 2016

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: January 2017

Issue of *Abstracts*: Volume 38, Issue 1

#### Deadlines

For organizers: April 1, 2016

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

For abstracts: To be announced

## San Diego, California

*San Diego Convention Center and San Diego Marriott Hotel and Marina*

#### January 10–13, 2018

*Wednesday – Saturday*

*Joint Mathematics Meetings, including the 124th Annual Meeting of the AMS, 101st 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 of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).*

Associate secretary: Georgia Benkart

Announcement issue of *Notices*: October 2017

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 1, 2017

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

For abstracts: To be announced

## Baltimore, Maryland

*Baltimore Convention Center, Hilton Baltimore, and Baltimore Marriott Inner Harbor Hotel at Camden Y*

#### January 16–19, 2019

*Wednesday – Saturday*

*Joint Mathematics Meetings, including the 125th Annual Meeting of the AMS, 102nd 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 of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).*

Associate secretary: Steven H. Weintraub

Announcement issue of *Notices*: October 2018

Program first available on AMS website: To be announced

Program issue of electronic *Notices*: To be announced

Issue of *Abstracts*: To be announced

#### Deadlines

For organizers: April 2, 2018

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

For abstracts: To be announced