Meetings & Conferences
of the AMS

Memphis, Tennessee
University of Memphis
October 17–18, 2015
Saturday – Sunday

Meeting #1113
Southeastern Section
Associate secretary: Brian D. Boe
Announcement issue of Notices: August 2015
Program first available on AMS website: September 3, 2015
Issue of Abstracts: Volume 36, Issue 3

Deadlines
For organizers: 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
Mark van Hoeij, Florida State University, Solving problems with the LLL algorithm.
Vaughan F.R. Jones, Vanderbilt University, Do all subfactors come from conformal field theory?.
Mette S. Olufsen, Department of Mathematics, North Carolina State University, Patient specific modeling of cardiovascular system dynamics.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Analysis of Differential and Integral Equations, D.P. Dwiggins and T. Hagen, University of Memphis.
Banach Spaces and Applications, Anna Kaminska, Pei-kee Lin, and Bentuo Zheng, University of Memphis.
Cahn-Hilliard and Related Equations and Applications, Gisèle Ruiz Goldstein, University of Memphis, and Alain Miranville, Université de Poitiers.
Computational Analysis, George Anastassiou, University of Memphis.
Control and Inverse Problems for Partial Differential Equations, Matthias Eller, Georgetown University, Shitao Liu, Clemson University, and Roberto Triggiani, University of Memphis.
Difference Equations and Applications, Michael A. Radin, Rochester Institute of Technology, and Youssef Raffoul, University of Dayton.
Ergodic Theory, James T. Campbell and Mate Wierdl, University of Memphis.
Evolution Equations and Partial Differential Equations, Jerome A. Goldstein, University of Memphis, Rainer
Nagel, Universitaet Tuebingen, and Guillermo Reyes, University of Southern California.

Extremal Graph Theory (in memory of Ralph Faudree),
Paul Balister, University of Memphis, Béla Bollobás, University of Cambridge UK, and University of Memphis, and Vladimir Nikiforov, University of Memphis.

Fractal Geometry and Dynamical Systems, Mrinal Kanti Roychowdhury, University of Texas Rio Grande Valley.

Probabilistic Combinatorics, Paul Balister, University of Memphis, and Béla Bollobás, University of Cambridge UK, and University of Memphis.

Recent Advances in Commutative Algebra, Sandra Spirtoff, University of Mississippi, and Lance Miller, University of Arkansas.

Spectra of Graphs and Hypergraphs, Vladimir Nikiforov, University of Memphis.

Stabilization, Control, and Analysis of Evolutionary Partial Differential Equations, George Avalos, University of Nebraska Lincoln, Scott Hansen, Iowa State University, and Justin Webster, College of Charleston.

The Analysis, Geometry, and Topology of Groupoids, Emily Proctor, Middlebury College, and Christopher Seaton, Rhodes College.

Topological Combinatorics, Eric Gottlieb, Rhodes College, and Russ Woodroofe, University of Mississippi State University.

von Neumann Algebras, Vaughan Jones, Vanderbilt University, and David Penneys, University of California Los Angeles.

Zhiwei Yun, Stanford University, Rigid automorphic forms and applications.

Special Sessions
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Algebraic and Combinatorial Structures in Knot Theory, Allison Henrich, Seattle University, Aaron M. Kastner, North Park University, Sam Nelson, Claremont McKenna College, and Matt Rathbun, California State University, Fullerton.

Analysis on Metric Spaces (in honor of Fred Gehring on the occasion of his 90th birthday), Zair Ibragimov, California State University, Fullerton.

Applied Mathematics in Industry: In Memory of Professor John G. Pierce (1942-2015), Charles H. Lee, Angel R. Pineda, Manhattan College, California State University, Fullerton.

Fixed Point Theory and Applications, Clement B. Apadu, Talat Nazir, Malardsalen University, and Xavier A Udo-Utun, University of Uyo.

Geometric Analysis, John Lott, University of California, Berkeley, and Aaron Naber, Northwestern University.

History and Philosophy of Mathematics, Jim Tattersall, Providence College, and Shawn McMurrnan, California State University, San Bernardino.

Homological Methods in Commutative Algebra, Amanda Croll, Concordia University, Irvine, and Jack Jeffries, University of Michigan.

Humanistic Mathematics, Mark Huber, Claremont McKenna College, and Gizem Karaali, Pomona College.

Mathematical Techniques in Quantum Theories and Quantum Finance, with applications, Alfonso F Agnew, California State University at Fullerton, and David Carfi, University of Messina, Italy.


Mathematicians and Outreach Programs, Olga Radko, University of California Los Angeles, and Bogdan D. Suceavă, California State University, Fullerton.

Recent Advances in Computational and Mathematical Biology, Fengzhu Sun, University of Southern California, and Jianjun Paul Tian and Mary Ballyk, New Mexico State University.

Recent Advances in Finite Groups and their Representations, Adam Glesser, California State University, Fullerton, and Mandi Schaeffer Fry, Metropolitan State University of Denver.

Recent Advances in Number Theory, Christopher Lyons, California State University, Fullerton, and Karl Rubin and Alice Silverberg, University of California, Irvine.

Recent Developments in Nonlinear Partial Differential Equations, Changyou Wang, Purdue University, and Yifeng Yu, University of California at Irvine.

Recent Results in Operator Theory and Operator Algebras, Asuman G. Aksoy, Claremont McKenna College,
Don Hadwin, University of New Hampshire, and Hassan Yousefi, California State University, Fullerton.
Research in Mathematics by Early Career Graduate Students, Tamas Forgacs, Carmen Caprau, and Oscar Vega, California State University, Fresno.
Spatial Graphs, Erica Flapan, Pomona College, Thomas Mattman, California State University, Chico, Blake Mellor, Loyola Marymount University, Ramin Naimi, Occidental College, and Ryo Nikkuni, Tokyo Women’s Christian University.

Invited Addresses

Taylor expansions of L-functions.

Multiscale Methods in Cell and Developmental Biology.

Special Sessions

If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Advances in Valuation Theory, Samar El Hitti, New York City College of Technology, City University of New York, Franz-Viktor Kuhlmann, University of Saskatchewan, and Hans Schoutens, New York City College of Technology, City University of New York.

Algebraic Geometry and Combinatorics, Elizabeth Drellich, University of North Texas, Erik Insko, Florida Gulf Coast University, Aba Mbirika, University of Wisconsin-Eau Claire, and Heather Russell, Washington College.

Applications of CAT(0) Cube Complexes, Sean Cleary, City College of New York and the City University of New York Graduate Center, and Megan Owen, Lehman College of the City University of New York.

Aspects of Minimal Surfaces in Riemannian Manifolds, Zheng Huang and Marcello Lucia, City University of New York, Staten Island and Graduate Center.

Aspects of Resolutions and Syzygies in Commutative Algebra, Courtney Gibbons, Hamilton College, and Denise Rangel Tracy, Syracuse University.

Commutative Algebra, Laura Ghezzi, New York City College of Technology, City University of New York, and Jooyoun Hong, Southern Connecticut State University.

Difference Equations and Applications, Manos Drymonis, Providence College, Evelina Lapierre, Johnson and Wales University, and Michael Radin, Rochester Institute of Technology.

Geometric Analysis, Paul Feehan, Manos Maridakis, and Natasa Sesum, Rutgers University.

Geometric Topology: A Celebration of Jim West’s 70th Birthday, Alexandre Dranishnikov, University of Florida, Steve Ferry, Rutgers University, and Boris Goldfarb, State University of New York at Albany.

Geometry and Combinatorics of Polytopes, Egon Schulte, Northeastern University, and Asia Ivic Weiss, York University.

Geometry of Groups, Surfaces and 3-manifolds, Abhijit Champanerkar, College of Staten Island and The Graduate Center, City University of New York, Feng Luo, Rutgers University, and Joseph Maher, College of Staten Island and The Graduate Center, City University of New York.

Invariants of Knots, Links and 3-Manifolds, Ilya Kofman, College of Staten Island and The Graduate Center, City University of New York, and Adam Lowrance, Vassar College.

Modern Schubert Calculus, Anders Buch and Chris Woodward, Rutgers University.

Multiple Combinatorial Numbers and Associated Identities, Hasan Coskun, Texas A&M University-Commerce.

Multiscale Methods in Cell and Developmental Biology, Anastasios Matzavinos, Brown University, and Chuan Xue, Ohio State University.

Nonlinear Waves in Differential Equations, Linghai Zhang, Lehigh University.
Number Theory, Spectral Theory, and Homogeneous Dynamics, Dubi Kelmer, Boston College, and Alex Kontorovich, Rutgers University.

Partial Differential Equations in Geometric Analysis, Jeffrey Case and Alice Chang, Princeton University, and Yi Wang, Johns Hopkins University and Institute for Advanced Study.

Probability, Combinatorics and Statistical Mechanics, Nayan Bhatnagar, University of Delaware, Brian Rider, Temple University, and Douglas Rizzolo, University of Delaware.

Representation Theory, Vertex Operator Algebras, and Related Topics, Corina Calinescu, New York City College of Technology, City University of New York, Andrew Douglas, New York City College of Technology and Graduate Center, City University of New York, and Joshua Sussan, Medgar Evers College, City University of New York.

Representations of Reductive Groups, Jeffrey Adams, University of Maryland, Stephen D. Miller, Rutgers University, and David Vogan, Massachusetts Institute of Technology.


Topological Data Analysis: Computations, Statistics, and Applications, Miroslav Kramar and Rachel Levanger, Rutgers University.

Seattle, Washington
Washington State Convention Center and the Sheraton Seattle Hotel
January 6–9, 2016
Wednesday – Saturday

Meeting #1116
Joint Mathematics Meetings, including the 122nd Annual Meeting of the AMS, 99th 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: Michel L. Lapidus
Announcement issue of Notices: October 2015
Program first available on AMS website: November 1, 2015
Issue of Abstracts: Volume 37, Issue 1

Deadlines
For organizers: Expired
For abstracts: Expired

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

Joint Invited Addresses
Jennifer Chayes, Microsoft Research, Network Science: From the Online World to Cancer Genomics (MAA-AMS- SIAM Gerald and Judith Porter Lecture).
Kristin Lauter, Microsoft Research, Title to be announced (AMS-MAA Invited Address).
Xiao-Li Meng, Harvard University, Statistical paradoxes and partial differential equations (AMS-MAA Invited Address).
Karen E. Smith, University of Michigan, Title to be announced (AWM-AMS Noether Lecture).

AMS Invited Addresses
Panagiota Daskalopoulos, Columbia University, Ancient solutions to parabolic partial differential equations.
Alex Eskin, University of Chicago, The SL(2, R) action on moduli space.
W. Timothy Gowers, University of Cambridge, Generalizations of Fourier analysis, and how to apply them (Part I) (AMS Colloquium Lectures: Lecture I).
W. Timothy Gowers, University of Cambridge, Generalizations of Fourier analysis, and how to apply them (Part II) (AMS Colloquium Lectures: Lecture II).
W. Timothy Gowers, University of Cambridge, Generalizations of Fourier analysis, and how to apply them (Part III) (AMS Colloquium Lectures: Lecture III).
Marta Lewicka, University of Pittsburgh, Prestrained elasticity: curvature constraints and differential geometry with low regularity.
Daniel A. Spielman, Yale University, Graphs, Vectors and Matrices (AMS Josiah Willard Gibbs Lecture).
David Vogan, Massachusets Institute of Technology, Conjugacy classes and group representations (AMS Retiring Presidential Address).
Steve Zelditch, Northwestern University, Chaotic billiards and vibrations of drums.

AMS Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at jointmathematicsmeetings.org/meetings/abstracts/abstract.pl?type=jmm.

Some sessions are cosponsored with other organizations. These are noted within the parenthesis at the end of each listing, where applicable.

Advances in Free Analysis: the Theory and Applications of Noncommutative Functions, Inequalities, and Domains, Joseph A. Ball, Virginia Polytechnic Institute, and Paul S. Muhly, University of Iowa, Iowa City.
Advances in the Theory and Application of Reaction Diffusion Models, Jerome Goddard II, Auburn University, and Ratnasingham Shivaji, University of North Carolina, Greensboro.
Algebraic Theory of Differential and Functional Equations, Taylor Dupuy, Hebrew University of Jerusalem and University of Vermont, and Alexey Ovchinnikov, CUNY Queens College, New York.
Algebraic and Topological Methods in Combinatorics, Andrew Berget, Western Washington University, Steven Klei, Seattle University, and Isabella Novik, University of Washington, Seattle.

Analysis and Geometry in Nonsmooth Metric Measure Spaces, Luca Capogna, Worcester Polytechnic Institute, and Jeremy Tyson, University of Illinois at Urbana-Champaign.

Analysis, Geometry, and Data, Kevin R. Vixie, Washington State University, Pullman, and Balal Krishnamoorthy, Washington State University, Vancouver.

Analytic Function Spaces and Operators on Them, Tim Ferguson and Hyun Kwon, University of Alabama, Tuscaloosa.

Analytic Methods in Geometry, Eric Bahauad and Dylan Helliewell, Seattle University.

Applications of Logic, Model Theory, and Theoretical Computer Science to Systems Biology, James Lynch, Clarkson University, and Leo Marcus, Santa Monica, CA (AMS-ASL).

Applied and Computational Topology, Pawel Dlotko, INRIA Saclay, France, Nicholas Scocivale, Ursinus College, and Matthew Wright, IMA University of Minnesota.

Arithmetic Dynamics, Matthew Baker, Georgia Institute of Technology, and Joseph Silverman, Brown University.

Big Demand for Big Data: How Do We Create the Big Supply?, Rick Cleary, Babson College, and Xiao-Li Meng, Harvard University.

Classification Problems in Operator Algebras, Marcel Bischoff and Ben Hayes, Vanderbilt University.

Combinatorial Design Theory, Esther R. Lamken, California Institute of Technology.

Commutative Algebra, Karen Smith, University of Michigan, Ann Arbor, Emily Witt, University of Utah, and Irena Swanson, Reed College (AMS-AWM).

Commutative Algebra and Its Interactions with Algebraic Geometry, Daniel Hernández, University of Utah, Jack Jeffries, University of Michigan, Ann Arbor, and Karl Schwede, University of Utah (AMS-AWM).

Commutative Algebra, I (a Mathematics Research Communities Session), Linquan Ma, University of Utah, Sarah Mayes-Tang, Quest University, and Jonathan Montaño, University of Kansas.

Current Areas of Interest in the Mathematical Sciences of Medieval Islam, Mohammad K. Azarian, University of Evansville, and Mohammad Javaheri and Emelie A. Kennedy, Siena College.

Data-Intensive Modeling in Ecology, Nikolay Strigul, Washington State University, Vancouver, and Balal Krishnamoorthy, Washington State University, Vancouver.

Difference Equations and Applications, Michael A. Radin, Rochester Institute of Technology.


Distribution of Zeros of Entire Functions, Matthew Chasse, Rochester Institute of Technology, Tamás Forgács, California State University, Fresno, and Andrzej Piotrowski, University of Alsko Southeast, Juneau.

Early Career Female Mathematicians in Algebra and Topology, Jocelyn Bell, United States Military Academy, West Point, Bethany Kubik, University of Minnesota, Duluth, and Candice Price, Sam Houston State University.

Equations of Fluid Motion, Elena Cozzi and Radu Dascaliuc, Oregon State University, and James P. Kelliher, University of California Riverside.


Financial Mathematics, I (a Mathematics Research Communities Session), Triet Pham, Rutgers University, Wilber A. Ventura, University of Texas at Arlington, and Kim Weston, Carnegie Mellon University.

Fractal Geometry and Dynamical Systems, John Rock, Cal Poly Pomona, Machiel van Frankenhuijzen, Utah Valley University, and Michel L. Lapidus, University of California, Riverside.

Geometric and Categorical Methods in Representation Theory, Anthony Licata, Australian National University, and Julia Pevtsova, University of Washington, Seattle.

Global Harmonic Analysis, Steven Zelditch, Northwestern University, Hart Smith, University of Washington, Seattle, and Chris Sogge, Johns Hopkins University.

Graduate Mathematics Courses and Programs for Secondary Mathematics Teachers, James J. Madden, Louisiana State University, Baton Rouge, and James A. Mendoza, University of Texas, Arlington.

Graph Products, Richard Hammack and Dewey Taylor, Virginia Commonwealth University.

Higher Genus Curves and Fibrations of Higher Genus Curves in Mathematical Physics and Arithmetic Geometry, Andreas Malmendier, Utah State University, Logan, and Tony Shaska, Oakland University, Rochester.

Innovative Ideas in Enhancing Success in Mathematics Classes, Natali Hritonenko, Prairie View A&M University, Ellina Grigorieva, Texas Woman's University, and Michael A. Radin, Rochester Institute of Technology (AMS-MAA).

Integrable Systems, Painlevé Equations, and Random Matrices, Anton Dzhamyay, University of Northern Colorado, Christopher M. Ormerod, California Institute of Technology, and Virgil U. Pierce, University of Texas-Pan American.

Interactions between Noncommutative Algebra, Algebraic Geometry, and Representation Theory, Ellen Kirkman, Wake Forest University, and James Zhang, University of Washington.

Knots in Washington (State), Allison Henrich, Seattle University, Sam Nelson, Claremont McKenna College, Jozef Przytycki, George Washington University, and Radmila Szazdanovic, North Carolina State University, Raleigh.

Mathematical Information in the Digital Age of Science, Patrick Ion, University of Michigan, Ann Arbor, Olaf Teschke, zBMath, Berlin, and Stephen Watt, University of Western Ontario.
Mathematical Programming on Integral Invexity, Ram Verma, Texas State University, San Marcos, and Alexander Zaslavski, Israel Institute of Technology.

Mathematics and Public Policy, Paul Dreyer, RAND Corporation.


Metrical and Topological Fixed Point Theory with Applications, Clement Boateng Ampadu, Boston, MA, Talat Nazir, Mälardalen University, Sweden, and Hudson Akewe, University of Lagos, Nigeria.

Modular Forms, q-Series, and Mathematics Inspired by Ramanujan, Chris Jennings-Shaffer, University of Florida, Gainesville, and Oregon State University, Corvallis, and Holly Swisher, Oregon State University, Corvallis.

Moduli Spaces in Algebraic Geometry, Yaim Cooper, Harvard University.

Moduli Spaces in Symplectic Geometry, Nathaniel Bottman, MIT, Joel Fish, IAS, Princeton, and the University of Massachusetts, Boston, Sheel Ganatra, Stanford University, and Katrin Wehrheim, University of California Berkeley.

Nonlinear Algebra, Bernd Sturmfels, University of California Berkeley, and Rekha Thomas, University of Washington, Seattle.

Nonlinear Waves and Coherent Structures, Natalie Sheils and Chris Swierczewski, University of Washington, Seattle.

Number Theory and Cryptography, Matilde Lalin, University of Montreal, Michelle Manes, University of Hawaii, Honolulu, and Christelle Vincent, University of Vermont.

Operators, Function Spaces, and Models, Alberto Condori, Florida Gulf Coast University, Fort Myers, and William Ross, University of Richmond.

Origami Methods and Applications, Erik Demaine, MIT, Thomas C. Hull, Western New England University, and Robert J. Lang, Lang Origami.

Parabolic Geometries, Twistor Theory, and the AdS/CFT Correspondence, Jonathan Holland and George Sparling, University of Pittsburgh, and Daniela Mihai, Carnegie Mellon University.

Partial Differential Equations in Complex Analysis, Debraj Chakrabarti, Central Michigan University, and Yunus Zeytuncu, University of Michigan, Dearborn.

Problems and Challenges in Financial Engineering and Risk Management, Matthew Lorig, University of Washington, Seattle, and Haijun Li and Hong-Ming Yin, Washington State University, Pullman.

Problems in Geometry and Design of Materials, Marta Lewicka, University of Pittsburgh, and Petronela Radu, University of Nebraska.

Pseudorandomness and Its Applications, Timothy Gowers, University of Cambridge, and Jozsef Solymosi, University of British Columbia.

Quantum Walks, Quantum Markov Chains, Quantum Computation and Related Topics, Chaobin Liu, Bowie State University, Takyua Machida, Japan Sociey for the Promotion of Science, Salvador E. Venegas-Andraca, Technológico de Monterrey, Mexico, and Nelson Petulante, Bowie State University.

Random and Complex Dynamics of Reaction-Diffusion Systems, Michael Anton Hoegele, Universidad de Los Andes, Bogota, Colombia, and Yuncheng You, University of South Florida, Tampa.

Recent Advances in Dynamical Systems and Mathematics Biology, Guihong Fan, Columbus State University, Jing Li, California State University Northridge, and Hongying Shu, Tongji University, China.

Recent Advances in Orthogonal Polynomials and Special Functions, Xiang-Sheng Wang, Southeast Missouri State University, Cape Girardeau.

Recent Developments in Dispersive Partial Differential Equations and Harmonic Analysis, William Green, Rose-Hulman Institute of Technology, Terre Haute, and Jennifer Beichman, University of Wisconsin, Madison.

Representation Theory of Algebraic Groups, Daniel K. Nakano, University of Georgia, and Cornelius Pillen, University of South Alabama.

Research by Postdocs of the Alliance for Diversity in Mathematics, Aloysius Helminck, North Carolina State University, Raleigh, and Michael Young, Iowa State University, Ames.

Research from the 2014 and 2015 Rocky Mountain-Great Plains Graduate Research Workshop in Combinatorics, Michael Ferrera, University of Colorado, Denver, Greetley, Leslie Hogben, Iowa State University, Ames, Paul Horn, University of Denver, and Derrick Stolee, Iowa State University, Ames.

Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, Darren A. Narayan and Jobby Jacob, Rochester Institute of Technology, Tamas Forgacs, California State University, Fresno, and Ugur Abdulla, Florida Institute of Technology (AMS-MAA-SIAM).

Set-Valued Optimization and Variational Problems with Applications, Baasansuren Jadamba and Akhtar A. Khan, Rochester Institute of Technology, Mau Nam Nguyen, Portland State University, Miguel Sama, Universidad Nacional de Educacion a Distancia, Spain, and Christiane Tammer, Martin Luther University of Halle-Wittenberg.

Special Functions and q-Series, Richard Askey, University of Wisconsin, Madison, Mourad E. H. Ismail, University of Central Florida and King Saud University, Riyadh, and Erik Koelink, Radboud University, Nijmegen, The Netherlands.

Stochastic Effects in Models for Mathematical Biology and Ecology, Olcay Akman, Illinois State University, Timothy D. Comar, Benedictine University, and Daniel Hrozencik, Chicago State University.

Stochastic Models in Population Biology, Brian Dennis, University of Idaho, Moscow, and Eddy Kwessi, Trinity University.

Surreal Numbers, Philip Ehrlich, Ohio University, Athens, and Ovidiu Costin, Ohio State University, Columbus (AMS-ASL).

Tensor Decompositions and Secant Varieties, Zach Teitler, Boise State University.
The History of Mathematics, Patti Hunter, Westmont College, Adrian Rice, Randolph-Macon College, Sloan Despeaux, Western Carolina University, and Deborah Kent, Drake University (AMS-MAA).

The Mathematics of Computation, Susanne C. Brenner, Louisiana State University.

Topological Graph Theory: Structure and Symmetry, Jonathan L. Gross, Columbia University, and Thomas W. Tucker, Colgate University.

Topological Representation Theory, Charles Frohman, University of Iowa, Iowa City, and Helen Wong, Carleton College.

Water Waves, John Carter, Seattle University, Bernard Deconinck, University of Washington, Seattle, and Katie Oliveras, Seattle University.

What's New in Group Theory?, Arturo Magidin, University of Louisiana at Lafayette, and Elizabeth Wilcox, Oswego State University of New York.

Athens, Georgia
University of Georgia

March 5–6, 2016
Saturday – Sunday

Meeting #1117
Southeastern Section

Announcement issue of Notices: January 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 2

Deadlines
For organizers: Expired
For abstracts: January 19, 2016

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

Invited Addresses
Michele Benzi, Emory University, Title to be announced.
Frank Garvan, University of Florida, Title to be announced.
William Graham, University of Georgia, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Active Learning in Undergraduate Mathematics (Code: SS 22A), Darryl Chamberlain, Jr, Aubrey Kemp, Leslie Meadows, Harrison Stalvey, and Draga Vidakovic, Georgia State University.

Algebraic Structures in Knot Theory (Code: SS 5A), Sam Nelson, Claremont McKenna College, and Mohamed Elhamdadi, University of South Florida.

Algebraic Structures in Mathematical Physics: Lie Algebras, Vertex Algebras, Quantum Algebras (Code: SS 19A), Ioana I. Anguelova, College of Charleston, and Bojko Bakalov, North Carolina State University.

Algebraic and Combinatorial Methods in Mathematical Biology (Code: SS 25A), Elena Dimitrova and Svetlana Poznanovic, Clemson University.

Bioinformatics and Molecular Biology: Dynamic Models, Structural Analysis, and Computational Methods (Code: SS 26A), Christine Heitsch, Chi-Jen Wang, and Haomin Zhou, Georgia Institute of Technology.

Combinatorial and Computational Algebra (Code: SS 7A), Huy Tai Ha, Tulane University, Kuei-Nan Lin, Penn State Greater Allegheny, and Augustine O’Keefe, Connecticut College.

Commutative Algebra (Code: SS 6A), Jon F. Carlson, University of Georgia, and Andrew Kustin, University of South Carolina.

Discrete and Applied Algebraic Geometry (Code: SS 18A), Cynthia Vinzant, North Carolina State University, and Josephine Yu, Georgia Institute of Technology.

Elliptic Curves (Code: SS 1A), Abbey Bourdon and Pete L. Clark, University of Georgia.

Experimental Mathematics (Code: SS 23A), Frank Garvan, University of Florida, and Andrew Sills, Georgia Southern University.

Financial Mathematics (Code: SS 27A), Arash Fahim and Alec Kercheval, Florida State University.

Harmonic Analysis and Applications (Code: SS 28A), Irina Holmes, Georgia Institute of Technology, and Brett D. Wick, Washington University.

Interactions Between Algebraic and Tropical Geometry (Code: SS 13A), Matthew Ballard, University of South Carolina, Noah Giansiracusa, University of Georgia, and Jesse Kass, University of South Carolina.

Invariant Measures of Dynamical Systems (Code: SS 24A), Miaohua Jiang and Chris Johnson, Wake Forest University, and Martin Schmoll, Clemson University.

Lie Theory, Representation Theory, and Geometry (Code: SS 3A), Shrawan Kumar, University of North Carolina, and Daniel K. Nakano and Paul Sobaje, University of Georgia.

Low-dimensional Topology and Geometry (Code: SS 15A), David Gay and Gordana Matic, University of Georgia.

Mathematical Physics and Spectral Theory (Code: SS 4A), Stephen Clark, Missouri University of Science and Technology, and Roger Nichols, The University of Tennessee at Chattanooga.

Mathematics and Music (Code: SS 14A), Mariana Montiel, Georgia State University, and Robert Peck, Louisiana State University.

Moduli Spaces and Vector Bundles (Code: SS 8A), Patricio Gallardo and Anna Kazanova, University of Georgia.

New Developments in Discrete and Intuitive Geometry (Dedicated to the 75th birthday of Wlodzimierz Kuperberg) (Code: SS 16A), Andras Bezdek, Auburn University, Oleg Musin, University of Texas at Brownsville, and Gabor
Fejes Toth, Renyi Institute of Mathematics, Hungary (AMS-AAAS).

Numerical Methods and Scientific Computing (Code: SS 17A), Michele Benzi, Emory University, and Edmond Chow, Georgia Institute of Technology.
PDE Analysis in Fluid Flows (Code: SS 21A), Geng Chen, Ronghua Pan, and Yao Yao, Georgia Institute of Technology.
Probabilistic and Analytic Tools in Convexity (Code: SS 2A), Joseph Fu, University of Georgia, Galyna Livshyts, Georgia Institute of Technology, and Elisabeth Werner, Case Western Reserve University.
Sharp Estimates and Bellman Functions in Harmonic Analysis (Code: SS 29A), Kabe Moen, University of Alabama, Leonid Slavin, University of Cincinnati, and Alex Stokolos, Georgia Southern University.
Symplectic and Contact Geometry (Code: SS 20A), Yi Lin and Stefan Müller, Georgia Southern University, Michael Usher, University of Georgia, and François Ziegler, Georgia Southern University.
The Combinatorics of Symmetric Functions (Code: SS 9A), Sarah K. Mason, Wake Forest University, and Elizabeth Niese, Marshall University.
Theory and Applications of Graphs (Code: SS 12A), Colton Magnant and Hua Wang, Georgia Southern University.

Topics in Graph Theory (Code: SS 11A), Guantao Chen, Georgia State University, and Songling Shan, Vanderbilt University.

Topology and Dynamical Systems (Code: SS 10A), Alexander Blokh, University of Alabama at Birmingham, Krystyna Kuperberg, Auburn University, and John Mayer and Lex Oversteegen, University of Alabama at Birmingham.

Stony Brook, New York

State University of New York at Stony Brook

March 19–20, 2016
Saturday – Sunday

Meeting #1118

Eastern Section

Associate secretary: Steven H. Weintraub
Announcement issue of Notices: January 2016
Program first available on AMS website: February 9, 2016
Issue of Abstracts: Volume 37, Issue 2

Deadlines

For organizers: Expired
For abstracts: February 2, 2016

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

Invited Addresses

Simon Donaldson, Stony Brook University, Title to be announced.
Dmitry Kleinbock, Brandeis University, Title to be announced.
Irena Lasiecka, University of Memphis, Title to be announced.

Special Sessions

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Commutative Ring Theory (Code: SS 7A), Alan Loper, Ohio State University, and Nick Werner, State University of New York at Old Westbury.

Complex Geometric Analysis (Code: SS 11A), Xiuxiong Chen, Stony Brook University, Weiyong He, University of Oregon, and Ioana Suvaina, Vanderbilt University.

Evolution of Partial Differential Equations and their Control (Code: SS 15A), George Avalos, University of Nebraska, and Irena Lasiecka and Roberto Trigiani, University of Memphis.
G.2 Geometry (Code: SS 9A), Sergey Grigorian, University of Texas, Rio Grande Valley, Sema Salur, University of Rochester, and Albert J. Todd, University of South Alabama.

Geometric Measure Theory and Its Applications (Code: SS 2A), Matthew Badger, University of Connecticut, and Christopher J. Bishop and Raanan Schul, Stony Brook University.

Graph Vulnerability Parameters and their Role in Network Analysis (Code: SS 16A), Michael Yatauro, Pennsylvania State University-Brandywine.

Holomorphic Dynamics (Code: SS 4A), Artem Dudko and Raluca Tanase, Stony Brook University.

Homogeneous Dynamics and Related Topics (Code: SS 12A), Dmitry Kleinbock, Brandeis University, and Han Li, Wesleyan University.

Invariants of Closed Curves on Surfaces (Code: SS 1A), Ara Basmajian, Hunter College and Graduate Center, City University of New York, and Moira Chas, Stony Brook University.

Mathematical General Relativity (Code: SS 3A), Lan-Hsuan Huang, University of Connecticut, Marcus Khuri, Stony Brook University, and Christina Sormani, Lehman College and City University of New York Graduate Center.

Mathematicians in Mathematics Education (Code: SS 8A), Lisa Berger, Stony Brook University, and Melkana Brakalova, Fordham University.

PDE Methods in Geometric Flows (Code: SS 5A), Mihai Bosteanu, Central Connecticut State University, and Andrew Cooper, North Carolina State University.

1296
Teichmüller Theory and Related Topics (Code: SS 6A),
Sudeb Mitra and Dragomir Saric, Queens College of the
City University of New York and City University of New
York Graduate Center.

Topology and Combinatorics of Arrangements (in honor
of Mike Falk) (Code: SS 14A), Daniel C. Cohen, Louisiana
State University, and Alexander I. Suciu, Northeastern
University.

Vertex Algebra and Related Algebraic and Geometric
Structures (Code: SS 13A), Katrina Barron, University of
Notre Dame, Antun Milas, State University of New
York at Albany, and Jinwei Yang, University of Notre Dame.

Salt Lake City, Utah
University of Utah
April 9–10, 2016
Saturday – Sunday
Meeting #1119
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: January 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 2

Deadlines
For organizers: Expired
For abstracts: February 16, 2016

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

Invited Addresses
Daniel Bump, Stanford University, From Whittaker
Functions to Quantum Groups.
James McKernan, University of California, San Diego.
Ravi Vakil, Stanford University, Cutting and pasting in
algebraic geometry (Erdős Memorial Lecture).
Stephanie van Willigenburg, University of British
Columbia, Vancouver, An Introduction to quasisymmetric
Schur functions.

Special Sessions
If you are volunteering to speak in a Special Session, you
should send your abstract as early as possible via the ab-
stract submission form found at www.ams.org/cgi-bin/
abstracts/abstract.pl.

Algebraic Combinatorics (Code: SS 5A), Susanna Fishel,
Arizona State University, Edward Richmond, Oklahoma
State University, and Stephanie van Willigenburg, Univer-
sity of British Columbia.

Algebraic Geometry (association with the Erdős Lect-
ure by Ravi Vakil) (Code: SS 1A), Ravi Vakil, Stanford
University, and Christopher Hacon and Karl Schwede,
University of Utah.

CR geometry and partial differential equations in
complex analysis (Code: SS 4A), Yuan Yuan, Syracuse
University, and Yuan Zhang, Indiana University-Purdue
University Fort Wayne.

Inverse Problems (Code: SS 2A), Hanna Makaruk, Los
Alamos National Laboratory (LANL), and Robert Owcza-
rek, University of New Mexico, Albuquerque and UNM,
Los Alamos.

Representations of reductive p-adic groups (Code: SS
3A), Shiang Tang and Gordan Savin, University of Utah.

Fargo, North Dakota
North Dakota State University
April 16–17, 2016
Saturday – Sunday
Meeting #1120
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: February 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 2

Deadlines
For organizers: Expired
For abstracts: February 23, 2016

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

Invited Addresses
Rodrigo Bañuelos, Purdue University, Title to be an-
nounced.
Laura Matusevich, Texas A&M University, Title to be
announced.
Jeff Viaclovsky, University of Wisconsin-Madison, Title
to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you
should send your abstract as early as possible via the ab-
stract submission form found at www.ams.org/cgi-bin/
abstracts/abstract.pl.

Combinatorial Ideals and Applications (Code: SS 10A),
Laura Matusevich and Christopher O’Neill, Texas A&M
University.

Commutative Algebra and Its Interactions with Com-
binatorics and Algebraic Geometry (Code: SS 4A), Susan
Cooper, North Dakota State University, and Adam Van
Tuyyl, McMaster University.

Commutative Ring Theory (Code: SS 6A), Catalin Ci-
uperca and Sean Sather-Wagstaff, North Dakota State
University.

Contemporary Issues in Mathematics Education (Code:
SS 8A), Abraham Ayebo, North Dakota State University.
Convexity and Harmonic Analysis (Code: SS 2A), Maria Alfonseca-Cubero, North Dakota State University, and Dmitry Ryabogin, Kent State University.

Discrete Probability (Code: SS 9A), Jonathon Peterson, Purdue University, and Arnab Sen, University of Minnesota.

Ergodic Theory and Dynamical Systems (Code: SS 1A), Dogan Cömez, North Dakota State University, and Mrinal Kanti Roychowdhury, University of Texas Rio Grande Valley.

Frames, Harmonic Analysis, and Operator Theory (Code: SS 7A), Gabriel Picioroaga, University of South Dakota, and Eric Weber, Iowa State University.


Integrable Dynamical Systems and Special Functions (Code: SS 5A), Oksana Bihun, University of Colorado, Colorado Springs.

Mathematical Finance (Code: SS 3A), Indranil SenGupta, North Dakota State University.

Brunswick, Maine
Bowdoin College
September 24–25, 2016
Saturday – Sunday

Meeting #1121
Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: June 2016
Program first available on AMS website: July 27, 2016
Issue of Abstracts: Volume 37, Issue 3

Deadlines
For organizers: February 24, 2016
For abstracts: July 19, 2016

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

Invited Addresses

Henry Cohn, Microsoft Research, New England, Title to be announced.

Ronny Hadani, University of Texas, Austin, Title to be announced.

Chelsea Walton, Temple University, Philadelphia, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

Algebraic Logic (Code: SS 1A), Nick Galatos, University of Denver, and Peter Jipsen, Chapman University.

Analysis on Graphs and Spectral Graph Theory (Code: SS 2A), Paul Horn and Mei Yin, University of Denver.

Nonassociative Algebra (Code: SS 3A), Izabella Stuhl, University of Debrecen and University of Denver, and Petr Vojtěchovský, University of Denver.

Noncommutative Geometry and Fundamental Applications (Code: SS 4A), Frederic Latremoliere, University of Denver.

Operator Algebras and Applications (Code: SS 5A), Alvaro Arias, University of Denver.

Recent Trends in Semigroup Theory (Code: SS 6A), Michael Kinyon, University of Denver, and Ben Steinberg, City College of New York.

Set Theory of the Continuum (Code: SS 7A), Natasha Dobrinen and Daniel Hathaway, University of Denver.

Unimodularity in Randomly Generated Graphs (Code: SS 8A), Florian Sobieczky, University of Denver.

Vertex Algebras and Geometry (Code: SS 9A), Andrew Linshaw, University of Denver, and Thomas Creutzig, University of Alberta.

Zero Dimensional Dynamics (Code: SS 10A), Nic Ormes and Ronnie Pavlov, University of Denver.

Denver, Colorado
University of Denver
October 8–9, 2016
Saturday – Sunday

Meeting #1122
Western Section
Associate secretary: Michel L. Lapidus

Announcement issue of Notices: August 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 3

Deadlines
For organizers: March 8, 2016
For abstracts: August 16, 2016

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

Invited Addresses

Tim Austin, New York University, Title to be announced.

Moon Duchin, Tufts University, Title to be announced.

Thomas Lam, University of Michigan, Title to be announced.
Meetings & Conferences

Minneapolis, Minnesota

University of St. Thomas

October 28–30, 2016
Friday – Sunday

Meeting #1123
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: August 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 4

Deadlines
For organizers: March 22, 2016
For abstracts: August 30, 2016

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

Invited Addresses

- **Ricardo Cortez**, Tulane University, *Title to be announced*.
- **Jason Metcalfe**, University of North Carolina at Chapel Hill, *Title to be announced*.
- **Agnes Szanto**, North Carolina State University, *Title to be announced*.

Special Sessions

If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at www.ams.org/cgi-bin/abstracts/abstract.pl.

(Track: SS 1A), **Alina Iacob** and **Saeed Nasseh**, Georgia Southern University.

Raleigh, North Carolina

North Carolina State University at Raleigh

November 12–13, 2016
Saturday – Sunday

Meeting #1124
Southeastern Section
Associate secretary: Brian D. Boe
Announcement issue of Notices: September 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 37, Issue 4

Deadlines
For organizers: April 12, 2016
For abstracts: September 13, 2016

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

Invited Addresses

- **Thomas Nevins**, University of Illinois Urbana-Champaign, *Title to be announced*.
- **Charles Rezk**, University of Illinois Urbana-Champaign, *Title to be announced*.
- **Christof Sparber**, University of Illinois at Chicago, *Title to be announced*.
- **Samuel Stechmann**, University of Wisconsin-Madison, *Title to be announced*.

Atlanta, Georgia

Hyatt Regency Atlanta and Marriott Atlanta Marquis

January 4–7, 2017
Wednesday – Saturday

Meeting #1125
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: Brian D. Boe
Announcement issue of Notices: October 2016
Program first available on AMS website: To be announced
Issue of Abstracts: Volume 38, Issue 1

Deadlines
For organizers: April 1, 2016
For abstracts: To be announced

Charleston, South Carolina

College of Charleston

March 10–12, 2017
Friday – Sunday

Meeting #1126
Southeastern Section
Associate secretary: Brian D. Boe
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Meetings & Conferences

Issue of Abstracts: To be announced

Deadlines
For organizers: November 10, 2016
For abstracts: To be announced

Bloomington, Indiana
Indiana University
April 1–2, 2017
Saturday - Sunday
Meeting #1127
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: To be announced
For abstracts: To be announced

Pullman, Washington
Washington State University
April 22–23, 2017
Saturday - Sunday
Meeting #1128
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: To be announced
For abstracts: To be announced

New York, New York
Hunter College, City University of New York
May 6–7, 2017
Saturday - Sunday
Meeting #1129
Eastern Section
Associate secretary: Steven H. Weintraub
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: September 14, 2016
For abstracts: March 21, 2017

Montréal, Quebec Canada
Mathematical Congress of the Americas 2017 (MCA 2017)
McGill University
July 24–28, 2017
Monday - Friday
Meeting #1130
The second Mathematical Congress of the Americas 2017 (MCA 2017), is being hosted by the Canadian Mathematical Society (CMS) in collaboration with the Pacific Institute for the Mathematical Sciences (PIMS), the Fields Institute (FIELDS), Le Centre de recherches Mathématiques (CRM), and the Atlantic Association for Research in the Mathematical Sciences (AARMS).
Associate secretary: Brian D. Boe
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: July 31, 2016
For abstracts: To be announced

Buffalo, New York
State University of New York at Buffalo
September 16–17, 2017
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
Issue of Abstracts: To be announced

Deadlines
For organizers: February 14, 2017
For abstracts: To be announced

Riverside, California
University of California, Riverside
November 4–5, 2017
Saturday - Sunday
Western Section
Associate secretary: Michel L. Lapidus
Denver, Colorado

Colorado Convention Center

January 15–18, 2020
Wednesday – Saturday
Joint Mathematics Meetings, including the 126th Annual Meeting of the AMS, 103rd 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: Michel L. Lapidus
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: April 1, 2017
For abstracts: To be announced

Washington, DC

Walter E. Washington Convention Center

January 6–9, 2021
Wednesday – Saturday
Joint Mathematics Meetings, including the 127th Annual Meeting of the AMS, 104th 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: Brian D. Boe
Announcement issue of Notices: October 2020
Program first available on AMS website: November 1, 2020
Issue of Abstracts: To be announced

Deadlines
For organizers: April 1, 2020
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
Issue of Abstracts: To be announced

Deadlines
For organizers: To be announced
For abstracts: To be announced

Baltimore, Maryland

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

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
Issue of Abstracts: To be announced

Deadlines
For organizers: April 1, 2017
For abstracts: To be announced