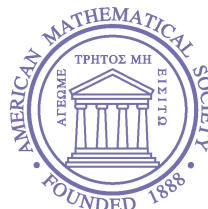


Program at a Glance

This document provides a thumbnail sketch of all scientific and social events so you can easily see which events may overlap and better plan your time. **For the most up-to-date scheduling information, see:** jointmathematicsmeetings.org/meetings/national/jmm2018/2197_timetable.html



Monday, January 08

- | | |
|-----------------|--|
| 9:00 am–4:30 pm | AMS SHORT COURSE ON DISCRETE DIFFERENTIAL GEOMETRY, PART I |
| 3:00 pm–6:00 pm | NSF-EHR GRANT PROPOSAL WRITING WORKSHOP |

Tuesday, January 09

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|------------------|---|
| 8:00 am–6:30 pm | AMS DEPARTMENT CHAIRS WORKSHOP |
| 9:00 am–4:30 pm | AMS SHORT COURSE ON DISCRETE DIFFERENTIAL GEOMETRY, PART II |
| 9:00 am–5:00 pm | MAA CONGRESS |
| 1:30 pm–10:00 pm | AMS COUNCIL |
| 3:00 pm–7:00 pm | JOINT MEETINGS REGISTRATION <i>Advanced registration will remain open until 7:30 pm</i> |

Wednesday, January 10

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|------------------|--|
| 7:00 am–8:45 am | MAA MINORITY CHAIRS MEETING |
| 7:30 am–6:00 pm | JOINT MEETINGS REGISTRATION |
| 7:30 am–5:30 pm | EMAIL CENTER |
| | AMS SPECIAL SESSIONS |
| 8:00 am–10:50 am | <i>Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, I (AMS-MAA-SIAM)</i> |
| 8:00 am–10:50 am | <i>Set Theory, Logic and Ramsey Theory, I (AMS-ASL)</i> |
| 8:00 am–10:50 am | <i>Modeling in Differential Equations—High School, Two-Year College, Four-Year Institution, I</i> |
| 8:00 am–10:50 am | <i>Structure and Representations of Hopf Algebras: a Session in Honor of Susan Montgomery, I</i> |
| 8:00 am–10:50 am | <i>Network Science, I</i> |

8:00 am–10:50 am	<i>Nilpotent and Solvable Geometry, I</i>
8:00 am–10:50 am	<i>Mathematical Analysis and Nonlinear Partial Differential Equations, I</i>
8:00 am–10:50 am	<i>Mathematical Fluid Mechanics: Analysis and Applications, I</i>
8:00 am–10:50 am	<i>Topological Graph Theory: Structure and Symmetry, I</i>
8:00 am–10:50 am	<i>Mathematics of Gravitational Wave Science, I</i>
8:00 am–10:50 am	<i>Arithmetic Dynamics, I</i>
8:00 am–10:50 am	<i>Operators on Function Spaces in One and Several Variables, I</i>
8:00 am–10:50 am	<i>Financial Mathematics, Actuarial Sciences, and Related Fields, I</i>
8:00 am–10:50 am	<i>Mathematical Methods in Genomics, I</i>
8:00 am–10:50 am	<i>History of Mathematics, I</i>
8:00 am–10:50 am	<i>Discrete Dynamical Systems and Applications, I</i>
8:00 am–10:50 am	<i>Geometric Analysis and Geometric Flows, I</i>
8:00 am–10:50 am	<i>Applied and Computational Combinatorics, I</i>
8:00 am–10:50 am	<i>Advances in Applications of Differential Equations to Disease Modeling, I</i>
8:00 am–10:50 am	<i>Research by Postdocs of the Alliance for Diversity in Mathematics, I</i>
8:00 am–10:50 am	<i>Mathematical Information in the Digital Age of Science, I</i>
8:00 am–10:50 am	<i>Special Functions and Combinatorics (in honor of Dennis Stanton's 65th birthday), I</i>
8:00 am–10:55 am	AMS CONTRIBUTED PAPER SESSIONS
	MAA INVITED PAPER SESSIONS
8:00 am–10:50 am	<i>Trends in Mathematical and Computational Biology</i>
	MAA CONTRIBUTED PAPER SESSIONS
8:00 am–10:55 am	<i>The Scholarship of Teaching and Learning in Collegiate Mathematics</i>
8:00 am–10:55 am	<i>Innovative Curricular Strategies for Increasing Mathematics Majors</i>
8:00 am–10:55 am	<i>Arts and Mathematics: The Interface, I</i>
8:00 am–10:55 am	MAA GENERAL CONTRIBUTED PAPER SESSIONS
8:00 am–10:55 am	SIAM MINISYMPOSIUM ON DATA SCIENCE IN THE MATHEMATICS CURRICULUM
8:00 am– 9:20 am	MAA PANEL <i>How do we use assessment? What do we learn from it and how does it help us make related changes?</i>
8:00 am– 5:30 pm	EMPLOYMENT CENTER
9:00 am–11:00 am	MAA MINICOURSE #1: PART A <i>Introduction to Process Oriented Guided Inquiry Learning (POGIL) in Mathematics Courses</i>
9:00 am–11:00 am	MAA MINICOURSE #2: PART A <i>Teaching Introductory Statistics Using the Guidelines from the American Statistical Association</i>
9:00 am–10:20 am	MAA-SIAM-AMS HRABOWSKI-GATES-TAPIA-MCBAY SESSION
9:00 am– 9:50 am	MAA-SIAM-AMS HRABOWSKI-GATES-TAPIA-MCBAY SESSION: LECTURE
9:00 am–10:30 am	AMS DIRECTORS OF UNDERGRADUATE STUDIES
9:35 am–10:55 am	MAA PANEL <i>What Every Student Should Know about the JMM</i>
9:35 am–10:55 am	MAA PANEL <i>Mathematicians' Work in Creating Open Education Resources for K-12</i>
9:35 am–10:55 am	MAA WORKSHOP <i>Creating Interdisciplinary Activities for Mathematical Sciences Classrooms</i>
9:50 am–10:30 am	MAA-SIAM-AMS HRABOWSKI-GATES-TAPIA-MCBAY PANEL <i>Access to Quality Mathematics by All.</i>
10:05 am–10:55 am	AMS INVITED ADDRESS <i>Title to be announced.</i> Edriss Titi
11:10 am–12:00 pm	AMS-MAA INVITED ADDRESS <i>Topological Modeling of Complex Data.</i> Gunnar Carlsson
12:15 pm– 5:30 pm	EXHIBITS AND BOOK SALES
1:00 pm– 1:50 pm	AMS COLLOQUIUM LECTURES: LECTURE I <i>Title to be announced.</i> Avi Wigderson

- 2:00 pm–3:30 pm **AMS COMMITTEE ON MEETINGS AND CONFERENCES PANEL DISCUSSION** *Collaborative Research Communities in Mathematics*
- 2:15 pm–3:05 pm **MAA INVITED ADDRESS** *Quintessential quandle queries.* **Alissa Crans**
- AMS SPECIAL SESSIONS**
- 2:15 pm–6:05 pm *Orthogonal Polynomials and Applications, I*
- 2:15 pm–6:05 pm *Combinatorial Commutative Algebra and Polytopes, I*
- 2:15 pm–6:05 pm *Modeling in Differential Equations—High School, Two-Year College, Four-Year Institution, II*
- 2:15 pm–6:05 pm *Quaternions, I*
- 2:15 pm–6:05 pm *Differential Geometry, I*
- 2:15 pm–6:05 pm *Structure and Representations of Hopf Algebras: a Session in Honor of Susan Montgomery, II*
- 2:15 pm–6:05 pm *Nilpotent and Solvable Geometry, II*
- 2:15 pm–6:05 pm *Mathematical Fluid Mechanics: Analysis and Applications, II*
- 2:15 pm–6:05 pm *Operators on Function Spaces in One and Several Variables, II*
- 2:15 pm–6:05 pm *Financial Mathematics, Actuarial Sciences, and Related Fields, II*
- 2:15 pm–6:05 pm *Mathematical Methods in Genomics, II*
- 2:15 pm–6:05 pm *History of Mathematics, II*
- 2:15 pm–6:05 pm *A Showcase of Number Theory at Liberal Arts Colleges, I*
- 2:15 pm–6:05 pm *Geometric Analysis and Geometric Flows, II*
- 2:15 pm–6:05 pm *Applied and Computational Combinatorics, II*
- 2:15 pm–6:05 pm *Mathematical Modeling and Analysis of Infectious Diseases, I*
- 2:15 pm–6:05 pm *Ergodic Theory and Dynamical Systems—to Celebrate the Work of Jane Hawkins, I*
- 2:15 pm–6:05 pm *Algebraic, Analytic, and Geometric Aspects of Integrable Systems, Painlevé Equations, and Random Matrices, I*
- 2:15 pm–6:05 pm *Topological Data Analysis, I*
- 2:15 pm–6:05 pm *Analysis of Nonlinear Partial Differential Equations and Applications, I*
- 2:15 pm–5:55 pm **AMS CONTRIBUTED PAPER SESSIONS**
- MAA INVITED PAPER SESSIONS**
- 2:15 pm–5:35 pm *Teaching for Equity and Broader Participation in the Mathematical Sciences*
- 2:15 pm–4:15 pm **MAA MINICOURSE #3: PART A** *Flipping your Mathematics Course using Open Educational Resources*
- 2:15 pm–4:15 pm **MAA MINICOURSE #4: PART A** *How to Run Successful Math Circles for Students and Teachers*
- 2:15 pm–4:15 pm **MAA MINICOURSE #5: PART A** *Reach the World: Writing Math Op-Eds for a Post-Truth Culture*
- MAA CONTRIBUTED PAPER SESSIONS**
- 2:15 pm–5:35 pm *Implementing Recommendations from the Curriculum Foundations Project*
- 2:15 pm–6:00 pm *Discrete Mathematics in the Undergraduate Curriculum – Ideas and Innovations in Teaching Mathematics and Sports*
- 2:15 pm–6:00 pm *Integrating Research into the Undergraduate Classroom*
- 2:15 pm–6:00 pm *Flipped Classes: Implementation and Evaluation*
- 2:15 pm–6:05 pm *Arts and Mathematics: The Interface, II*
- 2:15 pm–5:55 pm **MAA GENERAL CONTRIBUTED PAPER SESSIONS**
- 2:15 pm–5:40 pm **SIAM MINISYMPOSIUM ON NUMERICAL LINEAR ALGEBRA**
- 2:15 pm–3:35 pm **MAA PANEL** *Ethics, Morality and Politics in the Quantitative Literacy Classroom*
- 2:15 pm–4:00 pm **MAA PANEL** *NSF Funding Opportunities to Improve Learning and Teaching in the Mathematical*
- 2:15 pm–3:00 pm **RADICAL DASH KICKOFF MEETING** *A daily scavenger hunt filled with math challenges and creativity for teams of undergraduates. Individuals are welcome and encouraged to participate; they will be formed into teams.*

2:15 pm–3:35 pm	MAA WORKSHOP <i>Championing Master's Programs in Mathematics: A forum for advocacy, networking, and innovation</i>
2:15 pm–3:40 pm	ASSOCIATION FOR WOMEN IN MATHEMATICS PANEL DISCUSSION <i>Using Mathematics in Activism.</i>
3:20 pm–4:10 pm	MAA INVITED ADDRESS <i>Groups, graphs, algorithms: The Graph Isomorphism problem.</i> László Babai
3:45 pm–4:15 pm	AWM BUSINESS MEETING
3:50 pm–5:10 pm	MAA PANEL <i>A Mathematician Teaches Statistics: The Road Less Traveled</i>
4:00 pm–5:00 pm	TOWN HALL MEETING <i>National Changes in Education—2018, a New World</i>
4:00 pm–5:00 pm	MAA SECTION OFFICERS
4:15 pm–5:35 pm	MAA-JCW-AWM-NAM PANEL <i>Implicit Bias and Its Effects in Mathematics</i>
4:30 pm–5:30 pm	RECEPTION FOR UNDERGRADUATE STUDENTS
5:30 pm–6:30 pm	RECEPTION FOR GRADUATE STUDENTS AND FIRST-TIME PARTICIPANTS
5:30 pm–8:00 pm	MATHEMATICAL INSTITUTES OPEN HOUSE
6:00 pm–7:30 pm	AMS EDUCATION AND DIVERSITY DEPARTMENT PANEL <i>Strategies for Diversifying Graduate Mathematics Programs</i>
6:00 pm–7:00 pm	SIGMAA ON THE HISTORY OF MATHEMATICS (HOM SIGMAA) RECEPTION AND BUSINESS MEETING
7:00 pm–7:50 pm	SIGMAA ON THE HISTORY OF MATHEMATICS (HOM SIGMAA) GUEST LECTURE
7:00 pm–8:30 pm	MATHILY, MATHILY-ER YEARLY GATHER <i>Come one, come all, and play a recently created mathematical game or solve a new puzzle!</i>
8:30 pm–9:30 pm	AMS JOSIAH WILLARD GIBBS LECTURE <i>Title to be announced.</i> Cynthia Dwork
9:30 pm–11:00 pm	ASSOCIATION FOR WOMEN IN MATHEMATICS RECEPTION AND AWARDS PRESENTATION

Thursday, January 11

7:30 am–4:00 pm	JOINT MEETINGS REGISTRATION
7:30 am–5:30 pm	EMAIL CENTER
	AMS SPECIAL SESSIONS
8:00 am–11:50 am	<i>Set Theory, Logic and Ramsey Theory, II (AMS-ASL)</i>
8:00 am–11:50 am	<i>Accelerated Advances in Mathematical Fractional Programming, I</i>
8:00 am–11:50 am	<i>Homotopy Type Theory (a Mathematics Research Communities Session), I</i>
8:00 am–11:50 am	<i>Beyond Planarity: Crossing Numbers of Graphs (a Mathematics Research Communities Session), I</i>
8:00 am–11:50 am	<i>Dynamical Systems: Smooth, Symbolic, and Measurable (a Mathematics Research Communities Session), I</i>
8:00 am–11:50 am	<i>Open and Accessible Problems for Undergraduate Research, I</i>
8:00 am–11:50 am	<i>Mathematics of Quantum Computing and Topological Phases of Matter, I</i>
8:00 am–11:50 am	<i>Mathematical Analysis and Nonlinear Partial Differential Equations, II</i>
8:00 am–11:50 am	<i>Novel Methods of Enhancing Success in Mathematics Classes, I</i>
8:00 am–11:50 am	<i>Multi-scale Modeling with PDEs in Computational Science and Engineering: Algorithms, Simulations, Analysis, and Applications, I</i>
8:00 am–11:50 am	<i>Advances in Operator Theory, Operator Algebras, and Operator Semigroups, I</i>
8:00 am–11:50 am	<i>Discrete Dynamical Systems and Applications, II</i>
8:00 am–11:50 am	<i>A Showcase of Number Theory at Liberal Arts Colleges, II</i>
8:00 am–11:50 am	<i>Research by Postdocs of the Alliance for Diversity in Mathematics, II</i>
8:00 am–11:50 am	<i>Algebraic, Discrete, Topological and Stochastic Approaches to Modeling in Mathematical Biology, I</i>
8:00 am–11:50 am	<i>Commutative Algebra in All Characteristics, I</i>
8:00 am–11:50 am	<i>Combinatorics and Geometry, I</i>

- 8:00 am–11:50 am *Stochastic Processes, Stochastic Optimization and Control, Numerics and Applications, I*
- 8:00 am–11:50 am *Boundaries for Groups and Spaces, I*
- 8:00 am–11:50 am *Analysis of Nonlinear Partial Differential Equations and Applications, II*
- 8:00 am–11:50 am *Special Functions and Combinatorics (in honor of Dennis Stanton's 65th birthday), II*
- 8:00 am–11:55 am **AMS CONTRIBUTED PAPER SESSIONS**
- MAA INVITED PAPER SESSIONS**
- 8:00 am–10:50 am *MAA Instructional Practices Guide*
- MAA CONTRIBUTED PAPER SESSIONS**
- 8:00 am–12:00 pm *Research in Undergraduate Mathematics Education (RUME), I*
- 8:00 am–12:00 pm *Mathematical Knowledge for Teaching Grades 6–12 Mathematics*
- 8:00 am–10:55 am *Trends in Undergraduate Mathematical Biology Education*
- 8:00 am–12:00 pm *Humanistic Mathematics*
- 8:00 am–12:00 pm *Environmental Modeling in the Classroom*
- 8:00 am–12:00 pm *20th Anniversary—The EDGE (Enhancing Diversity in Graduate Education) Program: Pure and Applied Talks by Women, I*
- 8:00 am–12:00 pm *Innovative and Effective Ways to Teach Linear Algebra*
- 8:00 am–12:00 pm **MAA GENERAL CONTRIBUTED PAPER SESSIONS**
- 8:00 am–10:50 am **SIAM MINISYMPOSIUM ON ADVANCES IN IMAGING SCIENCE**
- 8:00 am–11:00 am **PME COUNCIL MEETING**
- 8:00 am– 5:30 pm **EMPLOYMENT CENTER**
- 9:00 am– 9:50 am **MAA INVITED ADDRESS** *Information, computation, optimization: connecting the dots in the traveling salesman problem.* **William Cook**
- 9:00 am–11:00 am **MAA MINICOURSE #6: PART A** *Directing Undergraduate Research*
- 9:00 am–11:00 am **MAA MINICOURSE #7: PART A** *Starter Kit for Teaching Modeling—First Differential Equations Course*
- 9:00 am–11:00 am **MAA MINICOURSE #8: PART A** *Teaching Statistics using R and R Studio*
- 9:00 am–10:20 am **MAA PANEL** *MAA Session for Chairs: Bridging the Gap*
- 9:00 am–10:20 am **MAA PANEL** *Communicating Mathematics to a Wider Audience*
- 9:00 am–10:20 am **MAA WORKSHOP** *Get to Know the National Science Foundation*
- 9:30 am– 5:30 pm **EXHIBITS AND BOOK SALES**
- 10:00 am–12:00 pm **MAA POSTER SESSION**
- 10:05 am–10:55 am **AWM-AMS NOETHER LECTURE** *To be announced.* **Jill Pipher**
- 10:30 am–12:00 pm **SIGMAA OFFICERS MEETING**
- 10:30 am–12:00 pm **AWM COMMITTEE ON EDUCATION PANEL** *Supporting, Evaluating and Rewarding Work in Mathematics Education in Mathematical Sciences Departments*
- 10:35 am–11:55 am **MAA WORKSHOP** *Hungarian Approach to Teaching Proof-writing Pósa's Discovery-Based Pedagogy*
- 10:35 am–11:55 am **TOWN HALL MEETING** *Revising MAA Guidelines on the Work of Faculty and Departments: Supporting Student Success*
- 11:00 am–11:50 am **PROJECT NEXT LECTURE ON TEACHING**
- 11:00 am–12:00 pm **AMS INFORMATIONAL SESSION** *Report on the findings of the 2015 CBMS survey of undergraduate mathematical and statistical sciences in the U.S.*
- 11:10 am–12:00 pm **SIAM INVITED ADDRESS** *Tensor Decompositions: A Mathematical Tool for Data Analysis.* **Tamara G. Kolda**

- 1:00 pm– 1:50 pm **AMS COLLOQUIUM LECTURES: LECTURE II** *Title to be announced.* **Avi Wigderson**
- AMS SPECIAL SESSIONS**
- 1:00 pm– 3:50 pm *Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, II (AMS-MAA-SIAM)*
- 1:00 pm– 3:50 pm *Set Theory, Logic and Ramsey Theory, III (AMS-ASL)*
- 1:00 pm– 3:50 pm *New Trends in Celestial Mechanics, I*
- 1:00 pm– 3:50 pm *Homotopy Type Theory (a Mathematics Research Communities Session), II*
- 1:00 pm– 3:50 pm *Beyond Planarity: Crossing Numbers of Graphs (a Mathematics Research Communities Session), II*
- 1:00 pm– 3:50 pm *Dynamical Systems: Smooth, Symbolic, and Measurable (a Mathematics Research Communities Session), II*
- 1:00 pm– 3:50 pm *Open and Accessible Problems for Undergraduate Research, II*
- 1:00 pm– 3:50 pm *Quaternions, II*
- 1:00 pm– 3:50 pm *Recent Trends in Analysis of Numerical Methods of Partial Differential Equations, I*
- 1:00 pm– 3:50 pm *Structure and Representations of Hopf Algebras: a Session in Honor of Susan Montgomery, III*
- 1:00 pm– 3:50 pm *Interactions of Inverse Problems, Signal Processing, and Imaging, I*
- 1:00 pm– 3:50 pm *Advances in Operator Theory, Operator Algebras, and Operator Semigroups, II*
- 1:00 pm– 3:50 pm *Mathematical Modeling, Analysis and Applications in Population Biology, I*
- 1:00 pm– 3:50 pm *History of Mathematics, III*
- 1:00 pm– 3:50 pm *Spectral Theory, Disorder and Quantum Physics, I*
- 1:00 pm– 3:50 pm *Theory, Practice, and Applications of Graph Clustering, I*
- 1:00 pm– 3:50 pm *Mathematical Modeling and Analysis of Infectious Diseases, II*
- 1:00 pm– 3:50 pm *Commutative Algebra in All Characteristics, II*
- 1:00 pm– 3:50 pm *Discrete Neural Networking and Applications, I*
- 1:00 pm– 3:50 pm *Algebraic, Analytic, and Geometric Aspects of Integrable Systems, Painlevé Equations, and Random Matrices, II*
- 1:00 pm– 3:50 pm *Metric Geometry and Topology, I*
- 1:00 pm– 3:50 pm *Mathematical Information in the Digital Age of Science, II*
- 1:00 pm– 3:50 pm *Analysis of Nonlinear Partial Differential Equations and Applications, III*
- 1:00 pm– 3:50pm **AMS CONTRIBUTED PAPER SESSIONS**
- MAA INVITED PAPER SESSIONS**
- 1:00 pm– 4:20 pm *Quandle Questions*
- 1:00 pm– 3:00 pm **MAA MINICOURSE #10: PART A** *Incorporating Mathematical and Statistical Forensics Activities into the Undergraduate Mathematics Classroom*
- 1:00 pm– 3:00 pm **MAA MINICOURSE #11: PART A** *Authoring Integrated Online Textbooks with MathBook XML*
- 1:00 pm– 3:00 pm **MAA MINICOURSE #9: PART A** *Teaching Undergraduate Mathematics via Primary Source Projects*
- MAA CONTRIBUTED PAPER SESSIONS**
- 1:00 pm– 4:10 pm *Research in Undergraduate Mathematics Education (RUME), II*
- 1:00 pm– 4:10 pm *Using Mathematics to Study Problems from the Social Sciences*
- 1:00 pm– 6:00 pm *Innovative Teaching Practices in Number Theory*
- 1:00 pm– 4:10 pm *20th Anniversary—The EDGE (Enhancing Diversity in Graduate Education) Program: Pure and Applied Talks by Women, II*
- 1:00 pm– 4:10 pm *Innovative Mathematical Outreach in Alternative Settings*
- 1:00 pm– 4:10 pm *Math Circle Topics with Visual or Kinesthetic Components*
- 1:00 pm– 4:10 pm **MAA GENERAL CONTRIBUTED PAPER SESSIONS**
- 1:00 pm– 4:00 pm **SIAM MINISYMPOSIUM ON TENSORS! MATHEMATICAL CHALLENGES AND OPPORTUNITES**

1:00 pm–2:30 pm	AMS COMMITTEE ON EDUCATION PANEL DISCUSSION <i>Preparing mathematics students for non-academic careers</i>
1:00 pm–2:20 pm	MAA PANEL <i>Effectively Chairing a Mathematical Sciences Department</i>
1:00 pm–2:20 pm	MAA PANEL <i>Out in Mathematics: Professional Issues Facing LGBTQ Mathematicians</i>
1:00 pm–2:20 pm	MAA WORKSHOP <i>Using Problem Solving and Discussions in Mathematics Courses for Prospective Elementary Teachers</i>
1:00 pm–3:00 pm	SUMMER PROGRAM FOR WOMEN IN MATHEMATICS (SPWM) REUNION
2:00 pm–4:00 pm	MAA POSTER SESSION: PROJECTS SUPPORTED BY THE NSF DIVISION OF UNDERGRADUATE EDUCATION
2:15 pm–3:05 pm	AMS INVITED ADDRESS <i>Algebraic structures on polytopes.</i> Federico Ardila
2:30 pm–4:15 pm	ESTIMATHON! <i>A mindbending mixture of math and trivia.</i>
2:30 pm–3:55 pm	AMS-MAA JOINT COMMITTEE ON TAS AND PART-TIME INSTRUCTORS PANEL <i>Teaching-Focused Faculty at Research Institutions</i>
2:35 pm–3:55 pm	MAA PANEL <i>What is a “Math Center” and What Can it do For Your Department?</i>
2:35 pm–3:55 pm	MAA PANEL <i>The Dolciani Award: Mathematicians in K-16 Education</i>
2:35 pm–3:55 pm	MAA WORKSHOP <i>Writing Pedagogical and Expository Papers</i>
2:35 pm–3:55 pm	SIAM-MAA-AMS PANEL <i>Multiple Paths to Mathematics Careers in Business, Industry and Government (BIG)</i>
3:20 pm–4:10 pm	AMS INVITED ADDRESS <i>Searching for Hyperbolicity.</i> Ruth Charney
4:25 pm–5:25 pm	JOINT PRIZE SESSION
5:30 pm–7:30 pm	ASSOCIATION OF CHRISTIANS IN THE MATHEMATICAL SCIENCES RECEPTION AND LECTURE
5:30 pm–6:30 pm	BUDAPEST SEMESTERS IN MATHEMATICS ALUMNI REUNION
5:30 pm–6:30 pm	JOINT PRIZE SESSION RECEPTION
5:30 pm–7:00 pm	MAA TWO-YEAR COLLEGE RECEPTION
5:30 pm–7:30 pm	PENN STATE MATHEMATICS DEPARTMENT RECEPTION
5:30 pm–6:00 pm	SIGMAA ON THE PHILOSOPHY OF MATHEMATICS (POM SIGMAA) RECEPTION
6:00 pm–7:00 pm	SIGMAA ON MATHEMATICAL AND COMPUTATIONAL BIOLOGY RECEPTION AND BUSINESS MEETING
6:00 pm–6:15 pm	SIGMAA ON THE PHILOSOPHY OF MATHEMATICS (POM SIGMAA) BUSINESS MEETING
6:00 pm–8:00 pm	ANNUAL SPECTRA RECEPTION FOR LESBIAN, GAY, BISEXUAL, AND TRANSGENDERED MATHEMATICIANS
6:00 pm–8:00 pm	NSA’S WOMEN IN MATHEMATICS SOCIETY NETWORKING SESSION
6:00 pm–7:30 pm	UNIVERSITY OF CALIFORNIA, SAN DIEGO RECEPTION
6:00 pm–7:00 pm	UNIVERSITY OF KANSAS RECEPTION
6:15 pm–7:05 pm	SIGMAA ON THE PHILOSOPHY OF MATHEMATICS (POM SIGMAA) GUEST LECTURE
6:30 pm–8:00 pm	MSRI RECEPTION FOR CURRENT AND FUTURE DONORS
7:00 pm–8:00 pm	SIGMAA ON MATHEMATICAL AND COMPUTATIONAL BIOLOGY GUEST LECTURE
7:30 pm–8:30 pm	AMS FORUM, SPONSORED BY THE U.S. NATIONAL COMMITTEE FOR MATHEMATICS <i>2018 International Congress of Mathematicians</i>
7:30 pm–9:30 pm	PROMYS AND ROSS GATHERING FOR ALUMNI AND FRIENDS
8:15 pm–9:45 pm	KNITTING CIRCLE <i>Knitting Circle: Bring a project (knitting/crochet/tatting/beading/etc.) and chat with other mathematical crafters</i>

Friday, January 12

- 7:30 am–4:00 pm **JOINT MEETINGS REGISTRATION**
- 7:30 am–5:30 pm **EMAIL CENTER**
- AMS SPECIAL SESSIONS**
- 8:00 am–10:50 am *Women in Symplectic and Contact Geometry and Topology, I (AMS-AWM)*
- 8:00 am–10:50 am *Free Convexity and Free Analysis, I*
- 8:00 am–10:50 am *Noncommutative Algebras and Noncommutative Invariant Theory, I*
- 8:00 am–10:50 am *If You Build It They Will Come: Presentations by Scholars in the National Alliance for Doctoral Studies in the Mathematical Sciences, I*
- 8:00 am–10:50 am *Recent Trends in Analysis of Numerical Methods of Partial Differential Equations, II*
- 8:00 am–10:50 am *Nonlinear Evolution Equations of Quantum Physics and Their Topological Solutions, I*
- 8:00 am–10:50 am *Mathematical Modeling of Natural Resources, I*
- 8:00 am–10:50 am *History of Mathematics, IV*
- 8:00 am–10:50 am *Visualization in Mathematics: Perspectives of Mathematicians and Mathematics Educators, I*
- 8:00 am–10:50 am *Advances in Applications of Differential Equations to Disease Modeling, II*
- 8:00 am–10:50 am *Quantum Link Invariants, Khovanov Homology, and Low-dimensional Manifolds, I*
- 8:00 am–10:50 am *Algebraic, Discrete, Topological and Stochastic Approaches to Modeling in Mathematical Biology, II*
- 8:00 am–10:50 am *Dynamical Algebraic Combinatorics, I*
- 8:00 am–10:50 am *Discrete Neural Networking and Applications, II*
- 8:00 am–10:50 am *Combinatorics and Geometry, II*
- 8:00 am–10:50 am *Ergodic Theory and Dynamical Systems—to Celebrate the Work of Jane Hawkins, II*
- 8:00 am–10:50 am *Mathematical Relativity and Geometric Analysis, I*
- 8:00 am–10:50 am *Stochastic Processes, Stochastic Optimization and Control, Numerics and Applications, II*
- 8:00 am–10:50 am *Boundaries for Groups and Spaces, II*
- 8:00 am–10:50 am *Mathematical Information in the Digital Age of Science, III*
- 8:00 am–10:50 am *Topological Data Analysis, II*
- 8:00 am–10:55 am **AMS CONTRIBUTED PAPER SESSIONS**
- 8:00 am–10:55 am **ASL INVITED ADDRESSES**
- MAA INVITED PAPER SESSIONS**
- 8:00 am–10:50 am *Research in Improving Undergraduate Mathematical Sciences Education: Examples Supported by the National Science Foundation's IUSE: EHR Program*
- MAA CONTRIBUTED PAPER SESSIONS**
- 8:00 am–10:55 am *The Advancement of Open Educational Resources*
- 8:00 am–10:55 am *Mathematical Experiences and Projects in Business, Industry, and Government (BIG)*
- 8:00 am–10:55 am *Philosophy of Mathematics as Actually Practiced*
- 8:00 am–10:55 am *Inquiry-Based Teaching and Learning, I*
- 8:00 am–10:55 am **MAA GENERAL CONTRIBUTED PAPER SESSIONS**
- 8:00 am–10:55 am **SIAM MINISYMPOSIUM ON ADVANCES IN FINITE ELEMENT APPROXIMATION**
- 8:00 am–9:20 am **MAA PANEL** *Teaching Mathematics Content to Prospective Elementary Teachers: Strategies and Opportunities*
- 8:00 am–5:30 pm **EMPLOYMENT CENTER**
- 8:30 am–10:30 am **AMS-MAA GRAD SCHOOL FAIR** *Undergrads! Take this opportunity to meet representatives from mathematical science graduate programs.*
- 9:00 am–9:50 am **MAA INVITED ADDRESS** *Toy models.* **Tadashi Tokieda**

9:00 am–11:00 am	MAA MINICOURSE #1: PART B <i>Introduction to Process Oriented Guided Inquiry Learning (POGIL) in Mathematics Courses</i>
9:00 am–11:00 am	MAA MINICOURSE #2: PART B <i>Teaching Introductory Statistics Using the Guidelines from the American Statistical Association</i>
9:00 am–10:30 am	AMS PANEL <i>Historical Chief Editors of the Notices</i>
9:30 am–5:30 pm	EXHIBITS AND BOOK SALES
9:35 am–10:55 am	MAA PANEL <i>The New AP Calculus Curriculum—The First Round of Testing</i>
10:05 am–10:55 am	AMS INVITED ADDRESS <i>Emergent phenomena in random structures and algorithms.</i> Dana Randall
10:30 am–11:00 am	RADICAL DASH PRIZE SESSION
11:10 am–12:00 pm	AMS-MAA INVITED ADDRESS <i>Minimal surfaces, volume spectrum, and Morse index.</i> André Neves
12:00 pm–1:00 pm	BUDAPEST SEMESTERS IN MATHEMATICS EDUCATION INFORMATIONAL SESSION
1:00 pm–1:50 pm	AMS COLLOQUIUM LECTURES: LECTURE III <i>Title to be announced.</i> Avi Wigderson
1:00 pm–1:50 pm	MAA LECTURE FOR STUDENTS <i>HOW MANY DEGREES ARE IN A MARTIAN CIRCLE? And other human (and non-human) questions one should ask about everyday mathematics.</i> James Tanton
1:00 pm–4:45 pm	CURRENT EVENTS BULLETIN
	AMS SPECIAL SESSIONS
1:00 pm–5:50 pm	<i>Women in Symplectic and Contact Geometry and Topology, II (AMS-AWM)</i>
1:00 pm–5:50 pm	<i>Combinatorial Commutative Algebra and Polytopes, II</i>
1:00 pm–5:50 pm	<i>Noncommutative Algebras and Noncommutative Invariant Theory, II</i>
1:00 pm–5:50 pm	<i>If You Build It They Will Come: Presentations by Scholars in the National Alliance for Doctoral Studies in the Mathematical Sciences, II</i>
1:00 pm–5:50 pm	<i>Markov Chains, Markov Processes and Applications, I</i>
1:00 pm–5:50 pm	<i>Diophantine Approximation and Analytic Number Theory in Honor of Jeffrey Vaaler, I</i>
1:00 pm–5:50 pm	<i>Network Science, II</i>
1:00 pm–5:50 pm	<i>Nonlinear Evolution Equations of Quantum Physics and Their Topological Solutions, II</i>
1:00 pm–5:50 pm	<i>Mathematical Modeling of Natural Resources, II</i>
1:00 pm–5:50 pm	<i>Topological Graph Theory: Structure and Symmetry, II</i>
1:00 pm–5:50 pm	<i>Mathematics of Gravitational Wave Science, II</i>
1:00 pm–5:50 pm	<i>Arithmetic Dynamics, II</i>
1:00 pm–5:50 pm	<i>Advances in Operator Algebras, I</i>
1:00 pm–5:50 pm	<i>Research from the Rocky Mountain—Great Plains Graduate Research Workshop in Combinatorics, I</i>
1:00 pm–5:50 pm	<i>Mathematical Relativity and Geometric Analysis, II</i>
1:00 pm–5:50 pm	<i>Strengthening Infrastructures to Increase Capacity Around K-20 Mathematics, I</i>
1:00 pm–5:50 pm	<i>Emergent Phenomena in Discrete Models, I</i>
1:00 pm–5:50 pm	<i>Geometric Analysis, I</i>
1:00 pm–5:55 pm	AMS CONTRIBUTED PAPER SESSIONS
1:00 pm–5:55 pm	ASL INVITED ADDRESSES
	MAA INVITED PAPER SESSIONS
1:00 pm–3:50 pm	<i>Polyhedra, Commemorating Magnus J. Wenninger</i>
1:00 pm–3:00 pm	MAA MINICOURSE #3: PART B <i>Flipping your Mathematics Course using Open Educational Resources</i>
1:00 pm–3:00 pm	MAA MINICOURSE #4: PART B <i>How to Run Successful Math Circles for Students and Teachers</i>
1:00 pm–3:00 pm	MAA MINICOURSE #5: PART B <i>Reach the World: Writing Math Op-Eds for a Post-Truth Culture</i>

MAA CONTRIBUTED PAPER SESSIONS

1:00 pm–6:00 pm	<i>Mathematical Themes in a First-Year Seminar</i>
1:00 pm–6:00 pm	<i>Good Math from Bad: Crackpots, Cranks, and Progress</i>
1:00 pm–5:55 pm	<i>The Teaching and Learning of Undergraduate Ordinary Differential Equations</i>
1:00 pm–6:00 pm	<i>Technology and Resources for Teaching Statistics</i>
1:00 pm–5:50 pm	<i>Inquiry-Based Teaching and Learning, II</i>
1:00 pm–6:00 pm	<i>Innovative and Effective Online Teaching Techniques</i>

MAA GENERAL CONTRIBUTED PAPER SESSIONS

1:00 pm–6:00 pm.	SIAM MINISYMPOSIUM ON MIMETIC MULTIPHASE SUBSURFACE AND OCEANIC TRANSPORT
1:00 pm–6:10 pm	NAM GRANVILLE-BROWN-HAYNES SESSION OF PRESENTATIONS BY RECENT DOCTORAL RECIPIENTS IN THE MATHEMATICAL SCIENCES
1:00 pm–3:50 pm	MAA PANEL <i>Pathways Through High School Mathematics: Building Focus and Coherence</i>
1:00 pm–2:20 pm	PANEL ON THE EXPERIENCES OF FOREIGN GRADUATE STUDENTS AS GTAS
1:00 pm–2:30 pm	TOWN HALL MEETING <i>Creating Engaging, Meaningful Experiences for Teachers and Future Teachers</i>
1:00 pm–2:00 pm	AMS DIRECTORS OF GRADUATE STUDIES
2:00 pm–3:30 pm	ROCKY MOUNTAIN MATHEMATICS CONSORTIUM BOARD OF DIRECTORS MEETING
2:15 pm–4:00 pm	PRESENTATIONS BY MAA TEACHING AWARD RECIPIENTS
2:30 pm–3:50 pm	AMS COMMITTEE ON SCIENCE POLICY PANEL DISCUSSION <i>Funding at federal agencies & advocacy for grassroots support</i>
2:30 pm–4:00 pm	MAA PANEL <i>Career Trajectories Involving Administrative Roles: What You May Want to Consider</i>
2:35 pm–3:55 pm	NATIONAL SCIENCE FOUNDATION: UPDATE FROM THE DIVISION OF MATHEMATICAL SCIENCES
4:00 pm–5:30 pm	MAA STUDENT POSTER SESSION
4:30 pm–6:00 pm	AMS CONGRESSIONAL FELLOWSHIP SESSION
4:30 pm–6:30 pm	MAA PANEL <i>The Evolving Career Outlook in Risk Management</i>
5:00 pm–7:00 pm	SIGMAA ON BUSINESS, INDUSTRY, AND GOVERNMENT (BIG SIGMAA) GUEST LECTURE
5:30 pm–6:20 pm	SIGMAA ON STATISTICS EDUCATION BUSINESS MEETING
5:30 pm–6:00 pm	TEXAS A & M UNIVERSITY MATHEMATICS DEPARTMENT ALUMNI, STUDENT, AND FACULTY RECEPTION
5:30 pm–7:30 pm	UNIVERSITY OF ILLINOIS AT URBANA—CHAMPAIGN DEPARTMENT OF MATHEMATICS ALUMNI RECEPTION
5:30 pm–6:00 pm	SIGMAA ON MATHEMATICS INSTRUCTION USING THE WEB (WEB SIGMAA) RECEPTION
6:00 pm–6:50 pm	SIGMAA ON MATHEMATICS INSTRUCTION USING THE WEB (WEB SIGMAA) GUEST LECTURE
6:00 pm–7:15 pm	AWM WORKSHOP: POSTER PRESENTATIONS BY WOMEN GRADUATE STUDENTS AND RECEPTION
6:00 pm–7:00 pm	MATHEMATICALLY BENT THEATER <i>Performed by Colin Adams and the Mobiusbandaid Players.</i>
6:00 pm–6:45 pm	SIGMAA ON STATISTICS EDUCATION BUSINESS MEETING
6:00 pm–7:00 pm	AMS MATHEMATICAL REVIEWS RECEPTION
6:00 pm–8:40 pm	NAM RECEPTION AND BANQUET
6:30 pm–7:00 pm	SIGMAA ON BUSINESS, INDUSTRY, AND GOVERNMENT (BIG SIGMAA) RECEPTION
6:50 pm–7:40 pm	SIGMAA ON STATISTICS EDUCATION GUEST LECTURE
7:00 pm–7:30 pm	SIGMAA ON BUSINESS, INDUSTRY, AND GOVERNMENT (BIG SIGMAA) BUSINESS MEETING
7:30 pm–9:00 pm	AMS FELLOWS RECEPTION

7:45 pm– 8:35 am	NAM COX–TALBOT ADDRESS <i>To be announced.</i> Erica Walker
8:00 pm–10:00 pm	PROJECT NEXT RECEPTION <i>All Project NExT Fellows, consultants, and other friends of Project NExT are invited.</i>
8:00 pm–10:00 pm	BACKGAMMON! <i>Learn to play backgammon from expert players.</i>

Saturday, January 13

7:30 am– 2:00 pm	JOINT MEETINGS REGISTRATION
7:30 am– 2:00 pm	EMAIL CENTER
	AMS SPECIAL SESSIONS
8:00 am–11:50 am	<i>Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, III (AMS-MAA-SIAM)</i>
8:00 am–12:00 pm	<i>Alternative Proofs in Mathematical Practice, I</i>
8:00 am–12:00 pm	<i>Analysis of Fractional, Stochastic, and Hybrid Dynamic Systems, I</i>
8:00 am–12:00 pm	<i>Mathematics of Quantum Computing and Topological Phases of Matter, II</i>
8:00 am–12:00 pm	<i>Differential Geometry, II</i>
8:00 am–12:00 pm	<i>Diophantine Approximation and Analytic Number Theory in Honor of Jeffrey Vaaler, II</i>
8:00 am–12:00 pm	<i>Multi-scale Modeling with PDEs in Computational Science and Engineering: Algorithms, Simulations, Analysis, and Applications, II</i>
8:00 am–12:00 pm	<i>Set-theoretic Topology (Dedicated to Jack Porter in Honor of 50 Years of Dedicated Research), I</i>
8:00 am–12:00 pm	<i>Mathematical Modeling, Analysis and Applications in Population Biology, II</i>
8:00 am–12:00 pm	<i>Visualization in Mathematics: Perspectives of Mathematicians and Mathematics Educators, II</i>
8:00 am–12:00 pm	<i>Advances in Operator Algebras, II</i>
8:00 am–12:00 pm	<i>Fractional Difference Operators and Their Application, I</i>
8:00 am–12:00 pm	<i>Emerging Topics in Graphs and Matrices, I</i>
8:00 am–12:00 pm	<i>Bifurcations of Difference Equations and Discrete Dynamical Systems, I</i>
8:00 am–12:00 pm	<i>Mathematics Research from the SMALL Undergraduate Research Program, I</i>
8:00 am–12:00 pm	<i>Boundaries for Groups and Spaces, III</i>
8:00 am–12:00 pm	<i>Topological Data Analysis, III</i>
8:00 am–12:00 pm	<i>Special Functions and Combinatorics (in honor of Dennis Stanton's 65th birthday), III</i>
8:00 am–12:00 pm	AMS CONTRIBUTED PAPER SESSIONS
8:00 am–12:00 pm	ASL INVITED ADDRESSES
	MAA CONTRIBUTED PAPER SESSIONS
8:00 am–12:00 pm	<i>Attracting, Involving, and Retaining Women and Underrepresented Groups in Mathematics – Righting the Balance</i>
8:00 am–12:00 pm	<i>Quantitative Literacy Across the Curriculum</i>
8:00 am–12:00 pm	<i>Lightning Talks and E-Posters: Me and My Gadgets, Teaching with Technology</i>
8:00 am–12:00 pm	<i>Revitalizing Complex Analysis</i>
8:00 am–12:00 pm	<i>Teaching Abstract Algebra: Topics and Techniques</i>
8:00 am–12:00 pm	MAA GENERAL CONTRIBUTED PAPER SESSIONS
8:00 am–11:55 am	SIAM MINISYMPOSIUM ON RECENT ADVANCES IN MODELING, ANALYSIS, AND CONTROL IN EPIDEMIOLOGY, SPATIAL ECOLOGY AND EVOLUTION
8:00 am– 5:00 pm	AWM WORKSHOP: SPECIAL SESSION ON NONCOMMUTATIVE ALGEBRA AND REPRESENTATION THEORY

MAA INVITED PAPER SESSIONS

8:30 am–10:50 am *Research in Undergraduate Mathematics Education: Highlights from the Annual SIGMAA on RUME Conference*

9:00 am– 9:50 am **AMS RETIRING PRESIDENTIAL ADDRESS** *Title to be announced* **Robert L. Bryant**

MAA INVITED PAPER SESSIONS

9:00 am–11:50 am *Accessible Problems in Modern Number Theory*

9:00 am–11:00 am **MAA MINICOURSE #6: PART B** *Directing Undergraduate Research*

9:00 am–11:00 am **MAA MINICOURSE #7: PART B** *Starter Kit for Teaching Modeling—First Differential Equations Course*

9:00 am–11:00 am **MAA MINICOURSE #8: PART B** *Teaching Statistics using R and R Studio*

9:00 am–10:20 am **MAA PANEL** *MAA Committee on Actuarial Science Education*

9:00 am– 9:50 am **NAM PANEL DISCUSSION** *Advising Our Students on the Transition to the 1st (or 0th) Year of Graduate School*

9:00 am–12:00 pm **EMPLOYMENT CENTER**

9:30 am–12:00 pm **EXHIBITS AND BOOK SALES**

10:00 am–10:50 am **MAA INTERACTIVE LECTURE FOR STUDENTS AND TEACHERS** *Mathematics to the rescue—how to fold a tie.*

10:00 am–10:50 am **NAM BUSINESS MEETING**

10:05 am–10:55 am **MAA INVITED ADDRESS** *Transforming learning: building confidence and community to engage students with rigor.* **Maria Klawe**

10:35 am–11:55 am **MAA PANEL** *Tips and Tricks to Securing Funding for Undergraduate Research*

11:10 am–11:40 am **MAA BUSINESS MEETING**

11:45 am–12:15 pm **AMS BUSINESS MEETING**

1:00 pm– 1:50 pm **NAM CLAYTOR-WOODARD LECTURE** *To be announced.* **Ronald Mickens**

AMS SPECIAL SESSIONS

1:00 pm– 5:50 pm *Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, IV (AMS-MAA-SIAM)*

1:00 pm– 5:50 pm *New Trends in Celestial Mechanics, II*

1:00 pm– 5:50 pm *Advances in Difference, Differential, and Dynamic Equations with Applications, I*

1:00 pm– 5:50 pm *Free Convexity and Free Analysis, II*

1:00 pm– 5:50 pm *Interactions of Inverse Problems, Signal Processing, and Imaging, II*

1:00 pm– 5:50 pm *Set-theoretic Topology (Dedicated to Jack Porter in Honor of 50 Years of Dedicated Research), II*

1:00 pm– 5:50 pm *Research in Mathematics by Early Career Graduate Students, I*

1:00 pm– 5:50 pm *Mathematical Problems in Ocean Wave Modeling and Fluid Mechanics, I*

1:00 pm– 5:50 pm *Spectral Theory, Disorder and Quantum Physics, II*

1:00 pm– 5:50 pm *Emerging Topics in Graphs and Matrices, II*

1:00 pm– 5:50 pm *Theory, Practice, and Applications of Graph Clustering, II*

1:00 pm– 5:50 pm *Quantum Link Invariants, Khovanov Homology, and Low-dimensional Manifolds, II*

1:00 pm– 5:50 pm *Dynamical Algebraic Combinatorics, II*

1:00 pm– 5:50 pm *Mathematics Research from the SMALL Undergraduate Research Program, II*

1:00 pm– 5:50 pm *Computational Combinatorics and Number Theory, I*

1:00 pm– 5:50 pm *Metric Geometry and Topology, II*

1:00 pm– 5:50 pm *Dynamical Systems with Applications to Mathematical Biology, I*

1:00 pm– 5:50 pm *Connections in Discrete Mathematics: Graphs, Hypergraphs, and Designs, I*

1:00 pm– 5:50 pm *Extremal Problems in Approximations and Geometric Function Theory, I*

1:00 pm– 5:50 pm *Geometric Analysis, II*

1:00 pm– 5:50 pm *Orthogonal Polynomials, Quantum Probability, and Stochastic Analysis, I*

1:00 pm–5:50 pm	AMS CONTRIBUTED PAPER SESSIONS
1:00 pm–5:50 pm	ASL INVITED ADDRESSES
	MAA INVITED PAPER SESSIONS
1:00 pm–4:50 pm	<i>Differential Equations and Their Applications to Neuroscience</i>
1:00 pm–3:00 pm	MAA MINICOURSE #10: PART B <i>Incorporating Mathematical and Statistical Forensics Activities into the Undergraduate Mathematics Classroom</i>
1:00 pm–3:00 pm	MAA MINICOURSE #11: PART B <i>Authoring Integrated Online Textbooks with MathBook XML</i>
1:00 pm–3:00 pm	MAA MINICOURSE #9: PART B <i>Teaching Undergraduate Mathematics via Primary Source Projects</i>
	MAA CONTRIBUTED PAPER SESSIONS
1:00 pm–5:30 pm	<i>Meaningful Modeling in the First Two Years of College</i>
1:00 pm–5:30 pm	<i>Scholarship on Teaching and Learning in Statistics Education</i>
	MAA GENERAL CONTRIBUTED PAPER SESSIONS
1:00 pm–6:00 pm	SIAM MINISYMPOSIUM ON PROBLEMS IN QUASILINEAR DESPERSIVE PDE
1:00 pm–5:50 pm	AMS SPECIAL PRESENTATION <i>Who Wants to be a Mathematician—national contest.</i>
1:00 pm–2:45 pm	MAA PANEL <i>The Impact of Software on Learning in Upper Division Mathematics Courses</i>
1:00 pm–2:20 pm	MAA-AMS-SIAM GERALD AND JUDITH PORTER PUBLIC LECTURE <i>Political Geometry: Voting districts, "compactness," and ideas about fairness.</i> Moon Duchin
3:00 pm–3:50 pm	MAA-AMS-SIAM GERALD AND JUDITH PORTER PUBLIC LECTURE <i>Political Geometry: Voting districts, "compactness," and ideas about fairness.</i> Moon Duchin
6:30 pm–7:30 pm	AMS DINNER RECEPTION
7:30 pm–10:30 pm	AMS DINNER CELEBRATION

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