Program at a Glance

Tuesday, January 02

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–3:00PM AMS Department Chairs and Leaders Workshop **Nob Hill, Lower B2 Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:30PM–8:00PM AMS Council Meeting **Golden Gate AB, B2 Level, Marriott Marquis San Francisco**

JMM (JOINT MATHEMATICS MEETING)

2:00PM–7:00PM Joint Meetings Registration **Moscone South Lobby, Lobby Level, The Moscone Center**

Wednesday, January 03

JMM (JOINT MATHEMATICS MEETING)

7:00AM–3:00PM Joint Meetings Registration **Moscone South Lobby, Lobby Level, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–9:30AM CANCELLED AMS Directors of Graduate Studies Focus Group **Foothill C, 2nd Level, Marriott Marquis San Francisco**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

8:00AM–11:30AM ILAS Special Session on Generalized Numerical Ranges and Related Topics, I **Room 209, Level Two, The Moscone Center**

TPSE (TRANSFORMING POST-SECONDARY EDUCATION)

8:00AM–11:30AM TPSE Contributed Paper Session on Using Institutional and National Data Sources to Recruit, Retain and Support a Diverse Population of Mathematics Students **Room 211, Level Two, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

8:00AM–12:00PM AIM Special Session on Multiplicative Number Theory and Additive Combinatorics, I **Room 201, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–12:00PM AMS Contributed Paper Session on Combinatorics, I **Room 116, Lobby Level, The Moscone Center**

8:00AM–12:00PM AM8615S Special Session on Advances in Coding Theory, I **Room 011, Exhibition Level, The Moscone Center**

8:00AM–12:00PM AMS Special Session on Applications of Hypercomplex Analysis, I **Room 105, Lobby Level, The Moscone Center**

8:00AM–12:00PM AMS Special Session on Applied Topology: Theory, Algorithms, and Applications, I **Room 012, Exhibition Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Combinatorial Insights into Algebraic Geometry, I **Room 309, Level Three, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Commutative Algebra and Algebraic Geometry (associated with Invited Address by Daniel Erman), I **Room 312, Level Three, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Computable Mathematics: A Special Session Dedicated to Martin D. Davis, I **Room 008, Exhibition Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Dynamical Systems Modeling for Biological and Social Systems, I **Room 156, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Geometric Group Theory (Associated with the AMS Retiring Presidential Address), I **Room 074, Lower Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Harmonic Analysis, Geometry Measure Theory, and Fractals, I **Room 158, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Homological Techniques in Noncommutative Algebra, I **Room 072, Lower Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Integer Partitions, Arc Spaces and Vertex Operators, I **Room 056, Lower Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Mathematical Modeling and Simulation of Biomolecular Systems, I **Room 155, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Mathematics of DNA and RNA, I **Room 153, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Modeling Complex Adaptive Systems in Life and Social Sciences, I **Room 160, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Modeling to Motivate the Teaching of the Mathematics of Differential Equations, I **Room 004, Exhibition Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Modelling with Copulas: Discrete vs Continuous Dependent Data, I **Room 154, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Number Theory in Memory of Kevin James, I **Room 310, Level Three, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Numerical Analysis, Spectral Graph Theory, Orthogonal Polynomials, and Quantum Algorithms, I **Room 010, Exhibition Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Recent Advances in Mathematical Models of Diseases: Analysis and Computation, I **Room 152, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Research Presentations by Math Alliance Scholar Doctorates, I **Room 103, Lobby Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Serious Recreational Mathematics, I **Room 024, Exhibition Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Theoretical and Numerical Aspects of Nonlocal Models, I **Room 159, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ   AMS Special Session on Theta Correspondence, I **Room 311, Level Three, The Moscone Center**

8:00AM–12:00PM AMS Special Session on Topics in Combinatorics and Graph Theory, I **Room 020, Exhibition Level, The Moscone Center**

8:00AM–12:00PM AMS Special Session on Water Waves, I **Room 076, Lower Mezzanine, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

8:00AM–12:00PM AWM Special Session on Women in Mathematical Biology, I **Room 301, Level Three, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

8:00AM–12:00PM SIGMAA on Mathematical and Computational Biology Special Session on Undergraduate Research Activities in Mathematical and Computational Biology, I **Room 021, Exhibition Level, The Moscone Center**

SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)

8:00AM–12:00PM SLMath (MSRI) Special Session on Summer Research in Mathematics (SRiM): Recent Trends in Nonlinear Boundary Value Problems, I **Room 210, Level Two, The Moscone Center**

OTHER ORGANIZATIONS

8:00AM–1:00PM Black Mathematicians Edit-A-Thon **Pacific E, 4th Floor, Marriott Marquis San Francisco**

JMM (JOINT MATHEMATICS MEETING)

8:00AM–3:00PM Employment Center **Hall B, Exhibition Level, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:30AM–12:00PM AMS Special Session on Algebraic Approaches to Mathematical Biology, I **Room 022, Exhibition Level, The Moscone Center**

8:30AM–12:00PM AMS Special Session on Extremal and Probabilistic Combinatorics, I **Room 305, Level Three, The Moscone Center**

8:30AM–12:00PM AMS Special Session on Metric Dimension of Graphs and Related Topics, I **Room 070, Lower Mezzanine, The Moscone Center**

8:30AM–12:00PM AMS Special Session on Topics in Equivariant Algebra, I **Room 151, Upper Mezzanine, The Moscone Center**

8:45AM–11:30AM AMS Contributed Paper Session on Mathematical Biology, I **Room 112, Lobby Level, The Moscone Center**

ASL (ASSOCIATION OF SYMBOLIC LOGIC)

9:00AM–10:00AM Association for Symbolic Logic Tutorial: Large Cardinals, Determinacy, and Inner Models, I **Room 306, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–10:45AM AMS Contributed Paper Session on Control Theory, Quantum Theory, and Related Topics **Room 115, Lobby Level, The Moscone Center**

9:00AM–10:45AM AMS Contributed Paper Session on Fluid Mechanics, Materials, Quantum Theory, and Related Topics **Room 062, Lower Mezzanine, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–11:00AM   Professional Enhancement Program (PEP) 8A: Bringing Ethics and Justice to the Mathematics Classroom Through Historical Case Studies **Foothill D, 2nd Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–12:00PM   AMS Contributed Paper Session on Harmonic Analysis, Probability Theory, and Related Topics, I **Room 114, Lobby Level, The Moscone Center**

9:00AM–12:00PM   AMS Special Session on Developing Students' Technical Communication Skills through Mathematics Courses, I **Room 104, Lobby Level, The Moscone Center**

9:00AM–12:00PM   AMS Special Session on Ethics in the Mathematics Classroom, I **Room 009, Exhibition Level, The Moscone Center**

9:00AM–12:00PM   AMS Special Session on Mathematics and the Arts, I **Room 025, Exhibition Level, The Moscone Center**

9:00AM–12:00PM   AMS-AWM Special Session for Women and Gender Minorities in Symplectic and Contact Geometry and Topology, I **Room 023, Exhibition Level, The Moscone Center**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

9:00AM–12:00PM   ILAS Special Session on Innovative and Effective Ways to Teach Linear Algebra, I **Room 212, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:30AM–11:00AM   CANCELLED AMS Directors of Undergraduate Studies Focus Group **Foothill C, 2nd Level, Marriott Marquis San Francisco**

INVITED ADDRESSES

9:45AM–10:50AM   AMS John von Neumann Lecture - Ankur Moitra, Massachusetts Institute of Technology **Room 207, Level Two, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

10:30AM–12:00PM JMM Workshop on Building Conceptual Understanding of Multivariable Calculus using 3D Visualization in CalcPlot3D and 3D-Printed Surfaces **Room 202, Level Two, The Moscone Center**

INVITED ADDRESSES

11:00AM–12:05PM AMS Erdős Lecture for Students - John Urschel **Room 207, Level Two, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

12:00PM–3:00PM   JMM Networking Center II **Moscone Upper Mezzanine, Upper Mezzanine, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

12:00PM–5:30PM   JMM Networking Center I sponsored by Maplesoft **Moscone Paseo Alcove, Lobby Level, The Moscone Center**

ASL (ASSOCIATION OF SYMBOLIC LOGIC)

1:00PM–2:00PM   Association for Symbolic Logic Tutorial: Large Cardinals, Determinacy, and Inner Models, II **Room 306, Level Three, The Moscone Center**

INVITED ADDRESSES

1:00PM–2:05PM   AMS Colloquium Lecture I - Terence Tao, University of California, Los Angeles **Room 207, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–2:30PM   AMS Committee on the Profession Panel Discussion: Building a Successful Research Career in Mathematics **Room 102, Lobby Level, The Moscone Center**

PME (PI MU EPSILON)

1:00PM–2:30PM   PME Panel: What Every Student Should Know about the JMM **Room 304, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–3:00PM   AMS Special Session on Ethics in the Mathematics Classroom, II **Room 009, Exhibition Level, The Moscone Center**

1:00PM–3:00PM   AMS Special Session on Research Presentations by Math Alliance Scholar Doctorates, II **Room 103, Lobby Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

1:00PM–3:00PM   Professional Enhancement Program (PEP) 2A: GitHub for Mathematicians **Foothill E, 2nd Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–3:30PM   AMS Contributed Paper Session on Number Theory and Related Topics, I **Room 115, Lobby Level, The Moscone Center**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

1:00PM–4:00PM   ILAS Special Session on Generalized Numerical Ranges and Related Topics, II **Room 209, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–4:30PM   AMS Contributed Paper Session on Mathematical Biology, II **Room 112, Lobby Level, The Moscone Center**

1:00PM–4:30PM   AMS Special Session on Modeling to Motivate the Teaching of the Mathematics of Differential Equations, II **Room 004, Exhibition Level, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

1:00PM–5:00PM   AIM Special Session on Little School Dynamics: Cool Research by Researchers at PUIs, I **Room 201, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–5:00PM   AMS Contributed Paper Session on Harmonic Analysis, Probability Theory, and Related Topics, II **Room 114, Lobby Level, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Applications of Hypercomplex Analysis, II **Room 105, Lobby Level, The Moscone Center**

1:00PM–5:00PM	AMS Special Session on Commutative Algebra and Algebraic Geometry (associated with Invited Address by Daniel Erman), II **Room 312, Level Three, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Computable Mathematics: A Special Session Dedicated to Martin D. Davis, II **Room 008, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Dynamical Systems Modeling for Biological and Social Systems, II **Room 156, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Extremal and Probabilistic Combinatorics, II **Room 305, Level Three, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Harmonic Analysis, Geometry Measure Theory, and Fractals, II **Room 158, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Homological Techniques in Noncommutative Algebra, II **Room 072, Lower Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Integer Partitions, Arc Spaces and Vertex Operators, II **Room 056, Lower Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Mathematical Modeling and Simulation of Biomolecular Systems, II **Room 155, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Mathematics and the Arts, II **Room 025, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Mathematics of DNA and RNA, II **Room 153, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Modeling Complex Adaptive Systems in Life and Social Sciences, II **Room 160, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Modelling with Copulas: Discrete vs Continuous Dependent Data, II **Room 154, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Number Theory in Memory of Kevin James, II **Room 310, Level Three, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Numerical Analysis, Spectral Graph Theory, Orthogonal Polynomials, and Quantum Algorithms, II **Room 010, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Recent Advances in Mathematical Models of Diseases: Analysis and Computation, II **Room 152, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Recent Progress in Inference and Sampling (Associated with AMS Invited Address by Ankur Moitra), I **Room 012, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Serious Recreational Mathematics, II **Room 024, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on The EDGE (Enhancing Diversity in Graduate Education) Program: Pure and Applied Talks by Women Math Warriors, I **Room 157, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Theoretical and Numerical Aspects of Nonlocal Models, II **Room 159, Upper Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ AMS Special Session on Theta Correspondence, II **Room 311, Level Three, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ AMS Special Session on Topics in Equivariant Algebra, II **Room 151, Upper Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ AMS Special Session on Topological and Algebraic Approaches for Optimization, I **Room 309, Level Three, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ AMS Special Session on Using 3D-Printed and Other Digitally-Fabricated Objects in the Mathematics Classroom, I **Room 020, Exhibition Level, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ AMS Special Session on Water Waves, II **Room 076, Lower Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ AMS-AWM Special Session on Solvable Lattice Models and their Applications Associated with the Noether Lecture, I **Room 104, Lobby Level, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

1:00ᴘᴍ–5:00ᴘᴍ AWM Special Session on Women in Mathematical Biology, II **Room 301, Level Three, The Moscone Center**

NAM (NATIONAL ASSOCIATION OF MATHEMATICIANS)

1:00ᴘᴍ–5:00ᴘᴍ NAM-SIAM-AMS Special Session on Quantitative Justice, I **Room 203, Level Two, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

1:00ᴘᴍ–5:00ᴘᴍ SIGMAA on Mathematical and Computational Biology Special Session on Undergraduate Research Activities in Mathematical and Computational Biology, II **Room 021, Exhibition Level, The Moscone Center**

SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)

1:00ᴘᴍ–5:00ᴘᴍ SLMath (MSRI) Special Session on Summer Research in Mathematics (SRiM): Recent Trends in Nonlinear Boundary Value Problems, II **Room 210, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:15ᴘᴍ–3:15ᴘᴍ AMS Contributed Paper Session on Game Theory and Operations Research **Room 062, Lower Mezzanine, The Moscone Center**

1:15ᴘᴍ–4:15ᴘᴍ AMS Contributed Paper Session on Algebraic Geometry, and Related Topics **Room 113, Lobby Level, The Moscone Center**

1:15ᴘᴍ–4:15ᴘᴍ AMS Contributed Paper Session on Combinatorics, II **Room 116, Lobby Level, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:30ᴘᴍ–4:30ᴘᴍ AMS Special Session on Metric Dimension of Graphs and Related Topics, II **Room 070, Lower Mezzanine, The Moscone Center**

1:30ᴘᴍ–5:00ᴘᴍ AMS Special Session on Advances in Coding Theory, II **Room 011, Exhibition Level, The Moscone Center**

2:00ᴘᴍ–5:00ᴘᴍ AMS Special Session on Algebraic Approaches to Mathematical Biology, II **Room 022, Exhibition Level, The Moscone Center**

| 2:00PM–5:00PM | AMS-AWM Special Session for Women and Gender Minorities in Symplectic and Contact Geometry and Topology, II **Room 023, Exhibition Level, The Moscone Center** |

INVITED ADDRESSES

| 2:15PM–3:20PM | AMS Retiring Presidential Address - Ruth Charney, Brandeis University **Room 207, Level Two, The Moscone Center** |

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

| 2:30PM–5:00PM | ILAS Special Session on Innovative and Effective Ways to Teach Linear Algebra, II **Room 212, Level Two, The Moscone Center** |

AMS (AMERICAN MATHEMATICAL SOCIETY)

| 3:00PM–4:30PM | AMS Committee on Equity, Diversity and Inclusion Panel Discussion: Successful Programs that Support Equity, Diversity and Inclusion **Room 102, Lobby Level, The Moscone Center** |

JMM (JOINT MATHEMATICS MEETING)

| 3:00PM–4:30PM | JMM Panel: Decolonizing Mathematics **Room 304, Level Three, The Moscone Center** |
| 3:00PM–4:30PM | JMM Workshop on Teaching Student-Centered Mathematics: Active Learning & the Learning Assistant Model **Room 202, Level Two, The Moscone Center** |

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

| 3:45PM–4:15PM | AWM Business Meeting **Room 307, Level Three, The Moscone Center** |

JMM (JOINT MATHEMATICS MEETING)

| 3:45PM–4:30PM | Awards Celebration Prize Winner Meet & Greet **Room 207, Level Two, The Moscone Center** |
| 4:30PM–4:45PM | Ribbon Cutting Ceremony **Room 207, Level Two, The Moscone Center** |

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

| 4:30PM–5:45PM | MAA Project NExT: Making Student Thinking Visible with Team-Based Inquiry Learning **Room 303, Level Three, The Moscone Center** |

JMM (JOINT MATHEMATICS MEETING)

4:45PM–5:45PM	Awards Celebration **Room 207, Level Two, The Moscone Center**
6:00PM–8:30PM	Exhibits and Book Sales **Hall A, Exhibition Level, The Moscone Center**
6:00PM–8:30PM	Grand Opening Reception **Hall A, Exhibition Level, The Moscone Center**
8:45PM–9:45PM	Wrong Answers Only **Room 207, Level Two, The Moscone Center**
8:45PM–10:00PM	Yearly Gather: Collaborative Puzzle Time! **Nob Hill AB, Lower B2 Level, Marriott Marquis San Francisco**

Thursday, January 04

JMM (JOINT MATHEMATICS MEETING)

7:30AM–8:45AM   AMS Committee on Equity, Diversity and Inclusion Focus Group Discussion (with Continental Breakfast) **Foothill G, 2nd Level, Marriott Marquis San Francisco**

JMM (JOINT MATHEMATICS MEETING)

7:30AM–4:00PM   Joint Meetings Registration **Moscone South Lobby, Lobby Level, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–11:15AM   AMS Contributed Paper Session on Computer Science **Room 062, Lower Mezzanine, The Moscone Center**

8:00AM–11:30AM   AMS Special Session on Derived Categories, Arithmetic, and Geometry (a Mathematics Research Communities session) I **Room 022, Exhibition Level, The Moscone Center**

8:00AM–11:30AM   AMS Special Session on Explicit Computation with Stacks (a Mathematics Research Communities session) I **Room 025, Exhibition Level, The Moscone Center**

PMA (PRO MATHEMATICA ARTE)

8:00AM–11:30AM   BSM Special Session: Mathematical Research in Budapest for Students and Faculty **Room 301, Level Three, The Moscone Center**

SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)

8:00AM–11:30AM   SLMath (MSRI) Special Session on African Diaspora Joint Mathematics Working Groups (ADJOINT), I **Room 307, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–11:45AM   AMS Contributed Paper Session on Partial Differential Equations, I **Room 114, Lobby Level, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

8:00AM–12:00PM   AIM Special Session on Little School Dynamics: Cool Research by Researchers at PUIs, II **Room 201, Level Two, The Moscone Center**

8:00AM–12:00PM   AIM-MAA Special Session on Math Circle Activities as a Gateway Into Research, I **Room 203, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–12:00PM   AMS Special Session on Advances in Coding Theory, III **Room 011, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Applied Topology: Theory, Algorithms, and Applications, II **Room 012, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Bridging Applied and Quantitative Topology, I **Room 155, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Complex Social Systems (a Mathematics Research Communities session) I **Room 152, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Developing Students' Technical Communication Skills through Mathematics Courses, II **Room 104, Lobby Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Dynamics and Management in Disease or Ecological Models (associated with Gibbs Lecture by Suzanne Lenhart), I **Room 151, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Ergodic Theory, Symbolic Dynamics, and Related Topics, I **Room 105, Lobby Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Geometric Group Theory (Associated with the AMS Retiring Presidential Address), II **Room 074, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Hamiltonian Systems and Celestial Mechanics, I **Room 154, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Harmonic Analysis, Geometry Measure Theory, and Fractals, III **Room 158, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Homological Techniques in Noncommutative Algebra, III **Room 072, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Homotopy Theory, I **Room 020, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Ideal and Factorization Theory in Rings and Semigroups, I **Room 312, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Integer Partitions, Arc Spaces and Vertex Operators, III **Room 056, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Mathematical Physics and Future Directions, I **Room 009, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Mathematics of Computer Vision, I **Room 308, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Mathematics of DNA and RNA, III **Room 153, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Mock Modular forms, Physics, and Applications, I **Room 311, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Modeling Complex Adaptive Systems in Life and Social Sciences, III **Room 160, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Recent Developments on Markoff Triples, I **Room 310, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Research Presentations by Math Alliance Scholar Doctorates, III **Room 103, Lobby Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on The EDGE (Enhancing Diversity in Graduate Education) Program: Pure and Applied Talks by Women Math Warriors, II **Room 157, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on The Teaching and Learning of Undergraduate Ordinary Differential Equations, I **Room 021, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Theoretical and Numerical Aspects of Nonlocal Models, III **Room 159, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Thresholds in Random Structures, I **Room 070, Lower Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS Special Session on Water Waves, III **Room 076, Lower Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, I **Room 023, Exhibition Level, The Moscone Center**

ASL (ASSOCIATION OF SYMBOLIC LOGIC)

8:00ᴀᴍ–12:00ᴘᴍ ASL Special Session on Descriptive Methods in Dynamics, Combinatorics, and Large Scale Geometry, I **Room 306, Level Three, The Moscone Center**

NAM (NATIONAL ASSOCIATION OF MATHEMATICIANS)

8:00ᴀᴍ–12:00ᴘᴍ NAM Haynes-Granville-Browne Session of Presentations by Recent Doctoral Recipients **Room 209, Level Two, The Moscone Center**

SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)

8:00ᴀᴍ–12:00ᴘᴍ SLMath (MSRI) Special Session on Summer Research in Mathematics (SRiM): Recent Trends in Nonlinear Boundary Value Problems, III **Room 210, Level Two, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

8:00ᴀᴍ–5:30ᴘᴍ Employment Center **Hall B, Exhibition Level, The Moscone Center**

OTHER ORGANIZATIONS

8:00ᴀᴍ–6:00ᴘᴍ Collaboration on Recreational Mathematics **Pacific F, 4th Floor, Marriott Marquis San Francisco**

INVITED ADDRESSES

8:30ᴀᴍ–9:35ᴀᴍ The Spectra Lavender Lecture - Julie Blackwood, Williams College **Room 205, Level Two, The Moscone Center**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

8:30ᴀᴍ–10:00ᴀᴍ SIAM Panel on Business-Industry-Government Careers for Mathematicians **Room 304, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:30ᴀᴍ–10:30ᴀᴍ AMS Career Fair **Room 003, Exhibition Level, The Moscone Center**

8:30ᴀᴍ–10:45ᴀᴍ AMS Contributed Paper Session on Combinatorics, III **Room 116, Lobby Level, The Moscone Center**

8:30ᴀᴍ–12:00ᴘᴍ AMS Special Session on Computable Mathematics: A Special Session Dedicated to Martin D. Davis, III **Room 008, Exhibition Level, The Moscone Center**

8:30ᴀᴍ–12:00ᴘᴍ AMS Special Session on Numerical Analysis, Spectral Graph Theory, Orthogonal Polynomials, and Quantum Algorithms, III **Room 010, Exhibition Level, The Moscone Center**

8:30ᴀᴍ–12:00ᴘᴍ AMS Special Session on Ricci Curvatures of Graphs and Applications to Data Science (a Mathematics Research Communities session) I **Room 305, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–10:30AM AMS Contributed Paper Session on Commutative Algebra and Related Topics **Room 115, Lobby Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–11:00AM Professional Enhancement Program (PEP) 8B: Bringing Ethics and Justice to the Mathematics Classroom Through Historical Case Studies **Foothill D, 2nd Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–11:15AM AMS Contributed Paper Session on Geometry **Room 113, Lobby Level, The Moscone Center**

9:00AM–11:15AM AMS Contributed Paper Session on Numerical Analysis, I **Room 101, Lobby Level, The Moscone Center**

9:00AM–11:45AM AMS Contributed Paper Session on Mathematics Education, History, and Related Topics, I **Room 112, Lobby Level, The Moscone Center**

9:00AM–12:00PM AMS Special Session on Applications of Extremal Graph Theory to Network Design, I **Room 024, Exhibition Level, The Moscone Center**

9:00AM–12:00PM AMS Special Session on Looking Forward and Back: Common Core State Standards in Mathematics (CCSSM), 12 Years Later, I **Room 004, Exhibition Level, The Moscone Center**

9:00AM–12:00PM AMS Special Session on Structure-preserving Algorithms, Analysis and Simulations for Differential Equations, I **Room 156, Upper Mezzanine, The Moscone Center**

9:00AM–12:00PM AMS Special Session on Topological and Algebraic Approaches for Optimization, II **Room 309, Level Three, The Moscone Center**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

9:00AM–12:00PM SIAM-USNCTAM Minisymposium on Mathematical Modeling of Complex Materials Systems **Room 211, Level Two, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–5:00PM Exhibits and Book Sales **Hall A, Exhibition Level, The Moscone Center**

9:00AM–5:30PM JMM Networking Center I sponsored by Maplesoft **Moscone Paseo Alcove, Lobby Level, The Moscone Center**

9:00AM–5:30PM JMM Networking Center II **Moscone Upper Mezzanine, Upper Mezzanine, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

9:30AM–10:45AM MAA Project NExT: Classrooms Meet the Future: How Modern Technology Is Enhancing the Classroom Experience of Mathematics. **Room 303, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:30AM–11:00AM AMS Advocacy Session: Advocacy for Mathematics and Science Policy **Room 202, Level Two, The Moscone Center**

INVITED ADDRESSES

9:45ᴀᴍ–10:50ᴀᴍ AWM-AMS Noether Lecture - Anne Schilling, University of California, Davis **Room 207, Level Two, The Moscone Center**

9:45ᴀᴍ–10:50ᴀᴍ ILAS Invited Address - Stephan Ramon Garcia, Pomona College **Room 205, Level Two, The Moscone Center**

OTHER ORGANIZATIONS

10:00ᴀᴍ–11:00ᴀᴍ Addressing Unfinished Learning and Improving STEM Access with ALEKS PPL **Foothill B, 2nd Level, Marriott Marquis San Francisco**

SPECTRA

10:00ᴀᴍ–11:00ᴀᴍ Spectra Business Meeting **Pacific H, 4th Floor, Marriott Marquis San Francisco**

JMM (JOINT MATHEMATICS MEETING)

10:30ᴀᴍ–12:00ᴘᴍ JMM Panel: The Future of Graduate Mathematics Textbooks **Room 102, Lobby Level, The Moscone Center**

PME (PI MU EPSILON)

10:30ᴀᴍ–12:00ᴘᴍ PME Panel: What Every Student Should Know about the JMM **Room 304, Level Three, The Moscone Center**

INVITED ADDRESSES

11:00ᴀᴍ–12:05ᴘᴍ AIM Alexanderson Award Lecture - Joni Teräväinen **Room 207, Level Two, The Moscone Center**

11:00ᴀᴍ–12:05ᴘᴍ MAA Lecture on Teaching and Learning - Yvonne Lai, University of Nebraska – Lincoln **Room 205, Level Two, The Moscone Center**

11:00ᴀᴍ–1:00ᴘᴍ AMS Graduate Student Chapter Luncheon **Room 302, Level Three, The Moscone Center**

INVITED ADDRESSES

1:00ᴘᴍ–2:05ᴘᴍ AMS Colloquium Lecture II - Terence Tao, University of California, Los Angeles **Room 207, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00ᴘᴍ–2:30ᴘᴍ AMS Committee on Education Panel Discussion, I - "Mathematics online: PDFs and issues regarding accessibility" **Room 102, Lobby Level, The Moscone Center**

TPSE (TRANSFORMING POST-SECONDARY EDUCATION)

1:00ᴘᴍ–2:30ᴘᴍ TPSE Panel on Grading for Active Learning & Department Change **Room 304, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00ᴘᴍ–3:00ᴘᴍ AMS Special Session on Research Presentations by Math Alliance Scholar Doctorates, IV **Room 103, Lobby Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

1:00ᴘᴍ–3:00ᴘᴍ Professional Enhancement Program (PEP) 2B: GitHub for Mathematicians **Foothill E, 2nd Level, Marriott Marquis San Francisco**

1:00PM–3:00PM   Professional Enhancement Program (PEP) 5A: Development of Mathematics Programs for Workforce Preparation **Foothill F, 2nd Level, Marriott Marquis San Francisco**

1:00PM–3:00PM   Special Interest Group of the MAA on Mathematics and the Arts Professional Enhancement Program (PEP) 1A: Visualizing Projective Geometry Through Photographs and Perspective Drawings **Foothill D, 2nd Level, Marriott Marquis San Francisco**

OTHER ORGANIZATIONS

1:00PM–3:00PM   SPWM Reunion **Foothill C, 2nd Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–3:30PM   AMS Contributed Paper Session on Numerical Analysis, II **Room 101, Lobby Level, The Moscone Center**

OTHER ORGANIZATIONS

1:00PM–4:00PM   Pearson Focus Group **Pacific C, 4th Floor, Marriott Marquis San Francisco**

SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)

1:00PM–4:00PM   SLMath (MSRI) Special Session on The MSRI Undergraduate Program (MSRI-UP), I **Room 210, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–4:15PM   AMS Contributed Paper Session on Mathematics Education, History, and Related Topics, II **Room 112, Lobby Level, The Moscone Center**

1:00PM–4:30PM   AMS Contributed Paper Session on Combinatorics, IV **Room 116, Lobby Level, The Moscone Center**

1:00PM–4:30PM   AMS Contributed Paper Session on Statistics **Room 062, Lower Mezzanine, The Moscone Center**

1:00PM–4:30PM   AMS Special Session on Complex Social Systems (a Mathematics Research Communities session) II **Room 152, Upper Mezzanine, The Moscone Center**

1:00PM–4:30PM   AMS Special Session on Computational Techniques to Study the Geometry of the Shape Space, I **Room 312, Level Three, The Moscone Center**

1:00PM–4:30PM   AMS Special Session on Derived Categories, Arithmetic, and Geometry (a Mathematics Research Communities session) II **Room 022, Exhibition Level, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

1:00PM–4:30PM   AWM Special Session on EvenQuads Live and in person: The honorees and the games **Room 158, Upper Mezzanine, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–4:45PM   AMS Contributed Paper Session on Partial Differential Equations, II **Room 114, Lobby Level, The Moscone Center**

PME (PI MU EPSILON)

1:00PM–4:45PM   PME Contributed Session on Research by Undergraduates, II **Room 308, Level Three, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

1:00PM–5:00PM   AIM Special Session on Graphs and Matrices, I **Room 201, Level Two, The Moscone Center**

1:00PM–5:00PM   AIM-MAA Special Session on Math Circle Activities as a Gateway Into Research, II **Room 203, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–5:00PM   AMS Special Session on Coding Theory for Modern Applications, I **Room 009, Exhibition Level, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Combinatorial Insights into Algebraic Geometry, II **Room 309, Level Three, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Complex Analysis, Operator Theory, and Real Algebraic Geometry, I **Room 159, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Ergodic theory, Symbolic Dynamics, and Related Topics, II **Room 105, Lobby Level, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Geometric Group Theory (Associated with the AMS Retiring Presidential Address), III **Room 074, Lower Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Hamiltonian Systems and Celestial Mechanics, II **Room 154, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Knots, Skein Modules, and Categorification, I **Room 010, Exhibition Level, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Loeb Measure after 50 Years, I **Room 160, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Looking Forward and Back: Common Core State Standards in Mathematics (CCSSM), 12 Years Later, II **Room 004, Exhibition Level, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Mathematical Modeling and Simulation of Biomolecular Systems, III **Room 155, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Mathematics and Quantum, I **Room 153, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Metric Geometry and Topology, I **Room 151, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Mock Modular Forms, Physics, and Applications, II **Room 311, Level Three, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Modeling to Motivate the Teaching of the Mathematics of Differential Equations, III **Room 076, Lower Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Partition Theory and q-Series, I **Room 070, Lower Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Quaternions, I **Room 072, Lower Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Recent Progress in Inference and Sampling (Associated with AMS Invited Address by Ankur Moitra), II **Room 012, Exhibition Level, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Ricci Curvatures of Graphs and Applications to Data Science (a Mathematics Research Communities session) II **Room 305, Level Three, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Structure-preserving Algorithms, Analysis and Simulations for Differential Equations, II **Room 156, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on The EDGE (Enhancing Diversity in Graduate Education) Program: Pure and Applied Talks by Women Math Warriors, III **Room 157, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on The Teaching and Learning of Undergraduate Ordinary Differential Equations, II **Room 021, Exhibition Level, The Moscone Center**

1:00PM–5:00PM   AMS Special Session on Using 3D-Printed and Other Digitally-Fabricated Objects in the Mathematics Classroom, II **Room 020, Exhibition Level, The Moscone Center**

1:00PM–5:00PM   AMS-AWM Special Session on Solvable Lattice Models and their Applications Associated with the Noether Lecture, II **Room 104, Lobby Level, The Moscone Center**

1:00PM–5:00PM   AMS-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, II **Room 023, Exhibition Level, The Moscone Center**

ASL (ASSOCIATION OF SYMBOLIC LOGIC)

1:00PM–5:00PM   ASL Special Session on Descriptive Methods in Dynamics, Combinatorics, and Large Scale Geometry, II **Room 306, Level Three, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

1:00PM–5:00PM   AWM Special Session on Recent Developments in Harmonic Analysis, I **Room 301, Level Three, The Moscone Center**

PME (PI MU EPSILON)

1:00PM–5:00PM   PME Contributed Session on Research by Undergraduates, I **Room 307, Level Three, The Moscone Center**

1:00PM–5:00PM   PME Contributed Session on Research by Undergraduates, III **Room 313, Level Three, The Moscone Center**

1:00PM–5:00PM   PME Contributed Session on Research by Undergraduates, IV **Room 314, Level Three, The Moscone Center**

SPECTRA

1:00PM–5:00PM   Spectra Workshop: Creating an Inclusive Undergraduate Mathematics Curriculum **Room 202, Level Two, The Moscone Center**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

1:00PM–6:00PM   SIAM Minisymposium on Mathematics of Bacterial Viruses: From Virus Discovery to Mathematical Principles **Room 211, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:15PM–4:00PM AMS Contributed Paper Session on Number Theory and Related Topics, II **Room 115, Lobby Level, The Moscone Center**

1:30PM–5:00PM AMS Contributed Paper Session on Dynamical Systems, Difference Equations, Integral Equations, and Differential Geometry **Room 113, Lobby Level, The Moscone Center**

1:30PM–5:00PM AMS Special Session on Explicit Computation with Stacks (a Mathematics Research Communities session) II **Room 025, Exhibition Level, The Moscone Center**

1:30PM–5:00PM AMS Special Session on Informal Learning, Identity, and Attitudes in Mathematics, I **Room 008, Exhibition Level, The Moscone Center**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

1:30PM–5:00PM ILAS Special Session on Linear Algebra, Matrix theory, and its Applications, I **Room 209, Level Two, The Moscone Center**

OTHER ORGANIZATIONS

2:00PM–3:00PM WAM Alumnae Coffee Hour **Pacific A, 4th Floor, Marriott Marquis San Francisco**

2:00PM–3:30PM Mathematical Sciences Institutes Diversity Committee Meeting at JMM **Pacific D, 4th Floor, Marriott Marquis San Francisco**

2:00PM–4:00PM Estimathon **Golden Gate C2, B2 Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

2:00PM–5:00PM AMS Special Session on Applications of Extremal Graph Theory to Network Design, II **Room 024, Exhibition Level, The Moscone Center**

2:00PM–5:00PM AMS Special Session on Recent Developments on Markoff Triples, II **Room 310, Level Three, The Moscone Center**

2:00PM–5:30PM AMS Special Session on Mathematics of Computer Vision, II **Room 011, Exhibition Level, The Moscone Center**

INVITED ADDRESSES

2:15PM–3:20PM AMS Invited Address II - Daniel Erman, University of Wisconsin-Madison **Room 207, Level Two, The Moscone Center**

2:15PM–3:20PM NAM Claytor-Woodard Lecture - Shelly M. Jones, Central Connecticut State University **Room 205, Level Two, The Moscone Center**

NSF (NATIONAL SCIENCE FOUNDATION)

2:30PM–5:00PM NSF Special Session on Exploring Funding Opportunities in the Division of Mathematical Sciences **Room 212, Level Two, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

3:00PM–4:30PM Joint Committee on Women Panel: Financial Empowerment for Mathematicians **Room 102, Lobby Level, The Moscone Center**

TPSE (TRANSFORMING POST-SECONDARY EDUCATION)

3:00ᴘᴍ–4:30ᴘᴍ TPSE Panel on Developing Innovative Upper Division Pathways in Mathematics: Strategies for Enrollment and Inclusion **Room 304, Level Three, The Moscone Center**

OTHER ORGANIZATIONS

3:30ᴘᴍ–4:30ᴘᴍ Math Institute Directors (MID) Meeting **Foothill B, 2nd Level, Marriott Marquis San Francisco**

INVITED ADDRESSES

3:30ᴘᴍ–4:35ᴘᴍ AMS Invited Address I - Kimberly Sellers, North Carolina State University **Room 207, Level Two, The Moscone Center**

3:30ᴘᴍ–4:35ᴘᴍ ASA Invited Address- Kathy Ensor, Rice University **Room 205, Level Two, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

3:30ᴘᴍ–4:45ᴘᴍ MAA Project NExT: Active Learning Strategies for a Large Class **Room 303, Level Three, The Moscone Center**

INVITED ADDRESSES

5:00ᴘᴍ–6:00ᴘᴍ AMS Josiah Willard Gibbs Lecture - Suzanne Lenhart, University of Tennessee **Room 207, Level Two, The Moscone Center**

5:30ᴘᴍ–7:00ᴘᴍ Canada/USA Mathcamp Alumni and Friends Gathering **Foothill J, 2nd Level, Marriott Marquis San Francisco**

6:00ᴘᴍ–7:00ᴘᴍ American Statistical Association's Invited Address Reception **Pacific I, 4th Floor, Marriott Marquis San Francisco**

6:00ᴘᴍ–7:00ᴘᴍ AMS Journal Reviewer Appreciation Reception **Pacific E, 4th Floor, Marriott Marquis San Francisco**

6:00ᴘᴍ–7:00ᴘᴍ Association of Christians in the Mathematical Sciences Reception **Nob Hill AB, Lower B2 Level, Marriott Marquis San Francisco**

6:00ᴘᴍ–7:00ᴘᴍ Budapest Semesters in Mathematics Annual Alumni Reunion **Pacific H, 4th Floor, Marriott Marquis San Francisco**

6:00ᴘᴍ–7:30ᴘᴍ Reception for Mathematics Software Developers **Salon 11, Lower B2 Level, Marriott Marquis San Francisco**

6:00ᴘᴍ–7:30ᴘᴍ University of Michigan Alumni and Friends Reception **Nob Hill CD, Lower Level B2, Marriott Marquis San Francisco**

6:00ᴘᴍ–7:30ᴘᴍ University of Wisconsin-Madison Alumni and Friends Reception **Foothill H, 2nd Level, Marriott Marquis San Francisco**

6:00ᴘᴍ–8:00ᴘᴍ Mathematical Institutes Open House **Salon 4,5,6 (Combined), Lower B2 Level, Marriott Marquis San Francisco**

6:00ᴘᴍ–8:00ᴘᴍ North Carolina State University, Reception for Alumni and Friends of the Department of Mathematics **Salon 3, Lower B2 Level, Marriott Marquis San Francisco**

6:00ᴘᴍ–8:00ᴘᴍ University of Tennessee, Math Alumni and Friends Reception, **Johnny Foley's Irish House, OFF Site San Francisco**

OTHER ORGANIZATIONS

6:00ᴘᴍ–8:00ᴘᴍ NSA Mathematics Networking Session **Golden Gate C1, B2 Level, Marriott Marquis San Francisco**

6:00ᴘᴍ–8:00ᴘᴍ Penn State's Eberly College of Science Reception **Salon 10, Lower B2 Level, Marriott Marquis San Francisco**

6:00ᴘᴍ–8:00ᴘᴍ Spectra's Annual Reception for LGBTQ+ Mathematicians **Soma, 2nd Level, Marriott Marquis San Francisco**

6:30ᴘᴍ–7:30ᴘᴍ Nevertheless She Persisted: The Daughters of Hypatia **Room 205, Level Two, The Moscone Center**

6:30ᴘᴍ–8:30ᴘᴍ PROMYS and Ross Reception for Alumni and Friends **Salon 12, Lower B2 Level, Marriott Marquis San Francisco**

7:00ᴘᴍ–9:00ᴘᴍ Society for Industrial and Applied Mathematics (SIAM) Reception on Industrial Math Modeling **Foothill C, 2nd Level, Marriott Marquis San Francisco**

8:00ᴘᴍ–9:30ᴘᴍ AIM Math Circles Reception **Foothill G, 2nd Level, Marriott Marquis San Francisco**

8:00ᴘᴍ–10:00ᴘᴍ MEET and SHARE: A mathematicians' storytelling event **Foothill A, 2nd Level, Marriott Marquis San Francisco**

8:15ᴘᴍ–9:45ᴘᴍ Knitting Circle **Salon 1 & 2 Combined, Lower B2 Level, Marriott Marquis San Francisco**

Friday, January 05

JMM (JOINT MATHEMATICS MEETING)

7:15ᴀᴍ–9:00ᴀᴍ YP17 HCSSiM Reunion Breakfast **Pacific A, 4th Floor, Marriott Marquis San Francisco**

JMM (JOINT MATHEMATICS MEETING)

7:30ᴀᴍ–4:00ᴘᴍ Joint Meetings Registration **Moscone South Lobby, Lobby Level, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00ᴀᴍ–10:30ᴀᴍ AMS Special Session on Issues, Challenges and Innovations in Instruction of Linear Algebra, I **Room 021, Exhibition Level, The Moscone Center**

PME (PI MU EPSILON)

8:00ᴀᴍ–11:00ᴀᴍ PME Contributed Session on Research by Undergraduates, VII **Room 313, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00ᴀᴍ–11:15ᴀᴍ AMS Contributed Paper Session on Combinatorics, V **Room 116, Lobby Level, The Moscone Center**

PME (PI MU EPSILON)

8:00ᴀᴍ–11:30ᴀᴍ PME Contributed Session on Research by Undergraduates, VI **Room 308, Level Three, The Moscone Center**

8:00ᴀᴍ–11:30ᴀᴍ PME Contributed Session on Research by Undergraduates, VIII **Room 314, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–11:45AM   AMS Contributed Paper Session on Complex Variables **Room 112, Lobby Level, The Moscone Center**

PME (PI MU EPSILON)

8:00AM–11:45AM   PME Contributed Session on Research by Undergraduates, V **Room 307, Level Three, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

8:00AM–12:00PM   AIM Special Session on Multiplicative Number Theory and Additive Combinatorics, II **Room 201, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–12:00PM   AMS - AAAS Special Session on Large Random Permutations (affiliated with AAAS-AMS Invited Address by Peter Winkler), I **Room 008, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Contributed Paper Session on Topological Groups, Lie Groups, Group Theory, and Related Fields **Room 062, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Advances in Analysis, PDE's and Related Applications, I **Room 160, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Analysis and Differential Equations at Undergraduate Institutions, I **Room 156, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Applied Topology: Theory, Algorithms, and Applications, III **Room 012, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Arithmetic Geometry with a View toward Computation, I **Room 074, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Bridging Applied and Quantitative Topology, II **Room 155, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Coding Theory for Modern Applications, II **Room 009, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Complex Analysis, Operator Theory, and Real Algebraic Geometry, II **Room 159, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Covering Systems of the Integers and Their Applications, I **Room 309, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Cryptography and Related Fields, I **Room 310, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Dynamical Systems Modeling for Biological and Social Systems, III **Room 022, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Dynamics and Management in Disease or Ecological Models (associated with Gibbs Lecture by Suzanne Lenhart), II **Room 151, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Dynamics and Regularity of PDEs, I **Room 076, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Geometry and Topology of High-Dimensional Biomedical Data, I **Room 152, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Group Actions in Commutative Algebra, I **Room 305, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on History of Mathematics, I **Room 103, Lobby Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Homotopy Theory, II **Room 020, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Ideal and Factorization Theory in Rings and Semigroups, II **Room 312, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Interplay Between Matrix Theory and Markov Systems: Applications to Queueing Systems and of Duality Theory, I **Room 025, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Knots, Skein Modules, and Categorification, II **Room 010, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Mathematics and Philosophy, I **Room 056, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Mathematics and Quantum, II **Room 153, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Modular Tensor Categories and TQFTs beyond the Finite and Semisimple, I **Room 072, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Thresholds in Random Structures, II **Room 070, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Topics in Combinatorics and Graph Theory, II **Room 024, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS-AWM Special Session on Solvable Lattice Models and their Applications Associated with the Noether Lecture, III **Room 104, Lobby Level, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

8:00AM–12:00PM   AWM Special Session on EvenQuads Live and in person: The honorees and the games, II **Room 158, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AWM Special Session on Women in Mathematical Biology, III **Room 301, Level Three, The Moscone Center**

COMAP (CONSORTIUM FOR MATHEMATICS AND ITS APPLICATIONS)

8:00AM–12:00PM   COMAP Special Session on Math Modeling Contests: What They Are, How They Benefit, What They Did -- Discussions with the Students and Advisors **Room 105, Lobby Level, The Moscone Center**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

8:00AM–12:00PM   ILAS Special Session on Linear algebra, matrix theory, and its applications, II **Room 203, Level Two, The Moscone Center**

8:00AM–12:00PM   ILAS Special Session on Sign-pattern Matrices and Their Applications, I **Room 209, Level Two, The Moscone Center**

NSF (NATIONAL SCIENCE FOUNDATION)

8:00AM–12:00PM NSF Special Session on Outcomes and Innovations from NSF Undergraduate Education Programs in the Mathematical Sciences I **Room 212, Level Two, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

8:00AM–5:30PM Employment Center **Hall B, Exhibition Level, The Moscone Center**

OTHER ORGANIZATIONS

8:00AM–6:00PM Collaboration Room on Recreational Mathematics **Pacific F, 4th Floor, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:15AM–11:45AM AMS Contributed Paper Session on Ordinary Differential Equations, Dynamical Systems, and Related Topics **Room 114, Lobby Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

8:30AM–10:00AM JMM Panel: Regional Math Alliances: Activities and Formation of Regional Groups to Support the Goals of the National Math Alliance **Room 304, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:30AM–10:30AM AMS Grad School Fair **Room 003, Exhibition Level, The Moscone Center**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

8:30AM–11:30AM SIAM Minisymposium on Computational Mathematics and the Power Grid **Room 211, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:30AM–12:00PM AMS Special Session on Recent Advances in Stochastic Differential Equation Theory and its Applications in Modeling Biological Systems, I **Room 154, Upper Mezzanine, The Moscone Center**

INVITED ADDRESSES

9:00AM–10:00AM ASL Invited Address - Åsa Hirvonen, University of Helsinki **Room 306, Level Three, The Moscone Center**

9:00AM–10:00AM MAA-SIAM-AMS Hrabowski-Gates-Tapia-McBay Lecture by Kamuela Yong **Room 207, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–11:00AM AMS Contributed Paper Session on Algebraic Topology and Manifolds, I **Room 113, Lobby Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–11:00AM Professional Enhancement Program (PEP) 3A: Changing Math Department Culture: Embracing Servingness **Foothill E, 2nd Level, Marriott Marquis San Francisco**

9:00AM–11:00AM Professional Enhancement Program (PEP) 7A: Effective Technical Advocacy: How to Talk About Mathematics so Policymakers will Hear you **Foothill F, 2nd Level, Marriott Marquis San Francisco**

9:00AM–11:00AM   Professional Enhancement Program (PEP) 9A: Developing Learning Activities for Multivariable Calculus using CalcPlot3D and 3D-Printed Surfaces **Foothill D, 2nd Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–12:00PM   AMS Special Session on Looking Forward and Back: Common Core State Standards in Mathematics (CCSSM), 12 Years Later, III **Room 004, Exhibition Level, The Moscone Center**

9:00AM–12:00PM   AMS Special Session on Mathematical Modeling of Nucleic Acid Structures, I **Room 157, Upper Mezzanine, The Moscone Center**

9:00AM–12:00PM   AMS Special Session on Roots of Unity - Mathematics from Graduate Students in the Roots of Unity Program, I **Room 311, Level Three, The Moscone Center**

9:00AM–12:00PM   AMS-AWM Special Session for Women and Gender Minorities in Symplectic and Contact Geometry and Topology, III **Room 023, Exhibition Level, The Moscone Center**

SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)

9:00AM–12:00PM   SLMath (MSRI) Special Session on The MSRI Undergraduate Program (MSRI-UP), II **Room 210, Level Two, The Moscone Center**

SPECTRA

9:00AM–12:00PM   Spectra Special Session on Research by LGBTQ+ Mathematicians, I **Room 101, Lobby Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–5:00PM   Exhibits and Book Sales **Hall A, Exhibition Level, The Moscone Center**

9:00AM–5:00PM   JMM Networking Center I sponsored by Maplesoft **Moscone Paseo Alcove, Lobby Level, The Moscone Center**

9:00AM–5:00PM   JMM Networking Center II **Moscone Upper Mezzanine, Upper Mezzanine, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:30AM–10:45AM   AMS Contributed Paper Session on Number Theory and Related Topics, III **Room 115, Lobby Level, The Moscone Center**

INVITED ADDRESSES

9:45AM–10:50AM   CRM-PIMS-AARMS Invited Address - Henri Darmon, McGill University **Room 205, Level Two, The Moscone Center**

10:00AM–10:30AM   SIAM-AMS Hrabowski-Gates-Tapia-McBay Panel on Spirited Strength: Stories of Indigenous Mathematicians **Room 207, Level Two, The Moscone Center**

10:00AM–11:00AM   ASL Invited Address - Sławomir Solecki, Cornell University **Room 306, Level Three, The Moscone Center**

OTHER ORGANIZATIONS

10:00AM–11:00AM   Focus Group: Developing Calculus Content for Today's STEM Students **Foothill B, 2nd Level, Marriott Marquis San Francisco**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

10:30AM–12:00PM AWM Workshop: Mathematicians + Wikipedia – A Training Edit-a-thon **Room 202, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

10:30AM–12:00PM Open Access: AMS Journals and Federal Policies **Room 102, Lobby Level, The Moscone Center**

INVITED ADDRESSES

11:00AM–12:05PM SIAM Invited Address - Mariel Vazquez, University of California Davis **Room 207, Level Two, The Moscone Center**

11:00AM–12:05PM TPSE Invited Address - Sylvester James Gates, Jr, Clark Leadership Chair in Science, University of Maryland **Room 205, Level Two, The Moscone Center**

OTHER ORGANIZATIONS

11:00AM–1:00PM Top Hat Focus Group: Aktiv Math **Foothill J, 2nd Level, Marriott Marquis San Francisco**

PME (PI MU EPSILON)

12:00PM–1:30PM AMS - PME Undergraduate Student Poster Session, I **Room 003, Exhibition Level, The Moscone Center**

INVITED ADDRESSES

1:00PM–2:00PM ASL Invited Address - Matthew Harrison-Trainor, UIC **Room 306, Level Three, The Moscone Center**

1:00PM–2:05PM AMS Colloquium Lecture III - Terence Tao, University of California, Los Angeles **Room 207, Level Two, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

1:00PM–2:15PM MAA Project NExT Panel Discussion on Diversity, Equity, and Inclusion Practices in an Undergraduate Math Class **Room 303, Level Three, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

1:00PM–2:30PM AWM Panel: Celebrating Academic Pivots in Mathematics **Room 304, Level Three, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

1:00PM–2:30PM JMM Workshop on Leveraging Research-Based Instruction in Introductory Proofs Courses **Room 202, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–2:45PM AMS Contributed Paper Session on Mathematics Education, History, and Related Topics, III **Room 062, Lower Mezzanine, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

1:00PM–3:00PM Professional Enhancement Program (PEP) 4A: Becoming a Math JEDI: Working for Justice, Equity, Diversity, and Inclusion **Foothill E, 2nd Level, Marriott Marquis San Francisco**

1:00PM–3:00PM	Professional Enhancement Program (PEP) 5B: Development of Mathematics Programs for Workforce Preparation **Foothill F, 2nd Level, Marriott Marquis San Francisco**
1:00PM–3:00PM	Special Interest Group of the MAA on Mathematics and the Arts Professional Enhancement Program (PEP) 1B: Visualizing Projective Geometry Through Photographs and Perspective Drawings **Foothill D, 2nd Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–3:15PM	AMS Contributed Paper Session on Algebraic Topology and Manifolds, II **Room 113, Lobby Level, The Moscone Center**
1:00PM–3:30PM	AMS Contributed Paper Session on Algebraic Structures, Logic, Set Theory, and Related Topics **Room 112, Lobby Level, The Moscone Center**
1:00PM–3:30PM	AMS Special Session on Diffusive Systems in the Natural Sciences, I **Room 157, Upper Mezzanine, The Moscone Center**
1:00PM–3:45PM	AMS Contributed Paper Session on Mathematical Biology, III **Room 116, Lobby Level, The Moscone Center**
1:00PM–4:00PM	AMS Contributed Paper Session on Functional Analysis and Operator Theory **Room 114, Lobby Level, The Moscone Center**
1:00PM–4:00PM	AMS Special Session on Issues, Challenges and Innovations in Instruction of Linear Algebra, II **Room 021, Exhibition Level, The Moscone Center**

SPECTRA

1:00PM–4:00PM	Spectra Special Session on Research by LGBTQ+ Mathematicians, II **Room 101, Lobby Level, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–4:30PM	AMS Contributed Paper Session on Number Theory and Related Topics, IV **Room 115, Lobby Level, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

1:00PM–5:00PM	AIM Special Session on Graphs and Matrices, II **Room 201, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–5:00PM	AIM-AMS Special Session on Applied Topology Beyond Persistence Diagrams, I **Room 011, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Algebraic Structures in Knot Theory, I **Room 310, Level Three, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Analysis and Differential Equations at Undergraduate Institutions, II **Room 156, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Combinatorial Perspectives on Algebraic Curves and their Moduli, I **Room 056, Lower Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Combinatorics for Science, I **Room 309, Level Three, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Computational Biomedicine: Methods - Models - Applications, I **Room 154, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM	AMS Special Session on Discrete Homotopy Theory, I **Room 158, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Dynamics and Management in Disease or Ecological Models (associated with Gibbs Lecture by Suzanne Lenhart), III **Room 151, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Ergodic Theory, Symbolic Dynamics, and Related Topics, III **Room 105, Lobby Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Exploring Spatial Ecology via Reaction Diffusion Models: New Insights and Solutions, I **Room 153, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Geometric Analysis in Several Complex Variables, I **Room 022, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Geometric Group Theory (Associated with the AMS Retiring Presidential Address), IV **Room 074, Lower Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Geometry and Symmetry in Differential Equations, Control, and Applications, I **Room 152, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Group Actions in Commutative Algebra, II **Room 305, Level Three, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on History of Mathematics, II **Room 103, Lobby Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Ideal and Factorization Theory in Rings and Semigroups, III **Room 312, Level Three, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Interplay Between Matrix Theory and Markov Systems: Applications to Queueing Systems and of Duality Theory, II **Room 025, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Loeb Measure after 50 Years, II **Room 160, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Modern Developments in the Theory of Configuration Spaces, I **Room 012, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on New Faces in Operator Theory and Function Theory, I **Room 159, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Nonlinear Dynamics in Human Systems: Insights from Social and Biological Perspectives, I **Room 155, Upper Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Partition Theory and q-Series, II **Room 070, Lower Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Principles, Spatial Reasoning, and Science in First-Year Calculus, I **Room 010, Exhibition Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Quaternions, II **Room 072, Lower Mezzanine, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Spectral Methods in Quantum Systems, I **Room 004, Exhibition Level, The Moscone Center**

1:00PM–5:00PM	AMS Special Session on The Mathematics of Decisions, Elections, and Games, I **Room 104, Lobby Level, The Moscone Center**
1:00PM–5:00PM	AMS Special Session on Topics in Combinatorics and Graph Theory, III **Room 024, Exhibition Level, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

1:00PM–5:00PM	AWM Special Session on Recent Developments in Harmonic Analysis, II **Room 301, Level Three, The Moscone Center**

NSF (NATIONAL SCIENCE FOUNDATION)

1:00PM–5:00PM	NSF Special Session on Outcomes and Innovations from NSF Undergraduate Education Programs in the Mathematical Sciences II **Room 212, Level Two, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

1:00PM–5:00PM	SIGMAA on Undergraduate Research Special Session on Navigating the Benefits and Challenges of Mentoring Students in Data-Driven Undergraduate Research Projects, I **Room 009, Exhibition Level, The Moscone Center**

SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)

1:00PM–5:00PM	SLMath (MSRI) Special Session on African Diaspora Joint Mathematics Working Groups (ADJOINT), II **Room 210, Level Two, The Moscone Center**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

1:00PM–6:00PM	SIAM Minisymposium on Mathematical Methods in Computer Vision and Image Analysis **Room 211, Level Two, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

1:30PM–4:30PM	AIM-MAA Special Session on Math Circle Activities as a Gateway Into Research, III **Room 203, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:30PM–5:00PM	AMS Special Session on Informal Learning, Identity, and Attitudes in Mathematics, II **Room 008, Exhibition Level, The Moscone Center**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

1:30PM–5:00PM	ILAS Special Session on Sign-pattern Matrices and Their Applications, II **Room 209, Level Two, The Moscone Center**

INVITED ADDRESSES

2:00PM–3:00PM	ASL Invited Address - Dima Sinapova, Rutgers University **Room 306, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

2:00PM–4:30PM	AMS Special Session on Roots of Unity - Mathematics from Graduate Students in the Roots of Unity Program, II **Room 311, Level Three, The Moscone Center**
2:00PM–5:00PM	AMS Special Session on Dynamics and Regularity of PDEs, II **Room 076, Lower Mezzanine, The Moscone Center**

2:00PM–5:00PM	AMS Special Session on Epistemologies of the South and the Mathematics of Indigenous Peoples, I **Room 020, Exhibition Level, The Moscone Center**
2:00PM–5:00PM	AMS-AWM Special Session for Women and Gender Minorities in Symplectic and Contact Geometry and Topology, IV **Room 023, Exhibition Level, The Moscone Center**

INVITED ADDRESSES

2:00PM–6:00PM	AMS Current Events Bulletin **Room 205, Level Two, The Moscone Center**
2:15PM–3:20PM	PME J. Sutherland Frame Lecture - Trachette Jackson, University of Michigan **Room 207, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

2:30PM–4:00PM	AMS Committee on Science Policy Panel Discussion - "Artificial Intelligence in Mathematics, Science and Society" **Room 102, Lobby Level, The Moscone Center**

COMAP (CONSORTIUM FOR MATHEMATICS AND ITS APPLICATIONS)

3:00PM–4:00PM	COMAP Panel on Math Modeling Contests: Trends, Topics, and Tips **Room 304, Level Three, The Moscone Center**
3:00PM–4:30PM	Inspiring Stories: How an Academic Rejection Led to Something Amazing **Room 307, Level Three, The Moscone Center**

ASL (ASSOCIATION OF SYMBOLIC LOGIC)

3:00PM–5:00PM	ASL Contributed Paper Session, I **Room 306, Level Three, The Moscone Center**

INVITED ADDRESSES

3:30PM–4:35PM	AMS Maryam Mirzakhani Lecture - Melanie Wood, Harvard University **Room 207, Level Two, The Moscone Center**

PME (PI MU EPSILON)

3:30PM–5:00PM	AMS - PME Undergraduate Student Poster Session, II **Room 003, Exhibition Level, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

4:00PM–5:15PM	MAA Project NExT Fostering a Growth Mindset in the Classroom **Room 303, Level Three, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

4:00PM–5:30PM	AWM Workshop Poster Presentations **Golden Gate B Foyer, B2 Level, Marriott Marquis San Francisco**

AMS (AMERICAN MATHEMATICAL SOCIETY)

4:30PM–5:30PM	AMS DC-Based Policy & Communications Opportunities **Room 102, Lobby Level, The Moscone Center**

INVITED ADDRESSES

4:45PM–5:50PM	AAAS-AMS Invited Address - Peter Winkler, Dartmouth College **Room 207, Level Two, The Moscone Center**

5:00PM–6:30PM	Association for Women in Mathematics Reception and Award Presentation **Golden Gate B, B2 Level, Marriott Marquis San Francisco**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

5:30PM–6:30PM	Special Interest Group of the MAA on the Philosophy of Mathematics Guest Lecture and Discussion **Room 303, Level Three, The Moscone Center**
5:30PM–7:30PM	Texas A & M University of Mathematics Reception **Pacific E, 4th Floor, Marriott Marquis San Francisco**
5:30PM–7:30PM	University of Illinois Urbana-Champaign Mathematics Reception **Nob Hill D, Lower B2 Level, Marriott Marquis San Francisco**
6:00PM–7:00PM	Mathematical Reviews Reception **Foothill G, 2nd Level, Marriott Marquis San Francisco**
6:00PM–7:00PM	Mathematically Bent Theater **Room 205, Level Two, The Moscone Center**
6:00PM–7:30PM	ICERM Mixer **Nob Hill A, Lower B2 Level, Marriott Marquis San Francisco**
6:00PM–7:30PM	SLMath (MSRI) Reception for Current and Future Donors **Pacific C, 4th Floor, Marriott Marquis San Francisco**
6:00PM–8:00PM	Undergraduate Student Reception **Salon 7, Lower B2 Level, Marriott Marquis San Francisco**
6:00PM–9:00PM	NAM Reception and Banquet **Golden Gate A, B2 Level, Marriott Marquis San Francisco**

INVITED ADDRESSES

7:45PM–8:45PM	NAM Cox-Talbot Address - Ranthony A.C. Edmonds, Duke University **Golden Gate A, B2 Level, Marriott Marquis San Francisco**
8:00PM–10:00PM	MAA Reception: Celebration of Project NExT and Special Interest Groups of the MAA **Golden Gate C1&2, B2 Level, Marriott Marquis San Francisco**
8:00PM–10:00PM	Mathematical Variety Show **Alcazar Theater, OFF Site San Francisco**

Saturday, January 06

JMM (JOINT MATHEMATICS MEETING)

7:30AM–9:00AM	UMN Friends & Prospective Student Breakfast **Soma, 2nd Level, Marriott Marquis San Francisco**

JMM (JOINT MATHEMATICS MEETING)

7:30AM–2:00PM	Joint Meetings Registration **Moscone South Lobby, Lobby Level, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

8:00AM–11:30AM	SIGMAA on Mathematical and Computational Biology Special Session on Undergraduate Research Activities in Mathematical and Computational Biology, III **Room 021, Exhibition Level, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

8:00AM–12:00PM	AIM Special Session on Equivariant Techniques in Stable Homotopy Theory, I **Room 201, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–12:00PM   AIM-AMS Special Session on Applied Topology Beyond Persistence Diagrams, II **Room 011, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS - AAAS Special Session on Large Random Permutations (affiliated with AAAS-AMS Invited Address by Peter Winkler), II **Room 008, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Advances in Analysis, PDE's and Related Applications, II **Room 160, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Arithmetic Geometry with a View toward Computation, II **Room 074, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Coding Theory for Modern Applications, III **Room 009, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Combinatorial Perspectives on Algebraic Curves and their Moduli, II **Room 056, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Combinatorics for Science, II **Room 309, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Cryptography and Related Fields, II **Room 310, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Dynamics and Regularity of PDEs, III **Room 076, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Exploring Spatial Ecology via Reaction Diffusion Models: New Insights and Solutions, II **Room 153, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Geometric Analysis in Several Complex Variables, II **Room 022, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Geometry and Symmetry in Differential Equations, Control, and Applications, II **Room 152, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on History of Mathematics, III **Room 103, Lobby Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Knots, Skein Modules, and Categorification, III **Room 010, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Metric Geometry and Topology, II **Room 151, Upper Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Mock Modular Forms, Physics, and Applications, III **Room 311, Level Three, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Modern Developments in the Theory of Configuration Spaces, II **Room 012, Exhibition Level, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on Modular Tensor Categories and TQFTs beyond the Finite and Semisimple, II **Room 072, Lower Mezzanine, The Moscone Center**

8:00AM–12:00PM   AMS Special Session on New Faces in Operator Theory and Function Theory, II **Room 159, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS Special Session on Nonlinear Dynamics in Human Systems: Insights from Social and Biological Perspectives, II **Room 155, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS Special Session on Polymath Jr REU Student Research, I **Room 105, Lobby Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS Special Session on Recent Developments in Commutative Algebra, I **Room 305, Level Three, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS Special Session on Recent Developments in Numerical Methods for PDEs and Applications, I **Room 156, Upper Mezzanine, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS Special Session on Serious Recreational Mathematics, III **Room 024, Exhibition Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS Special Session on Spectral Methods in Quantum Systems, II **Room 004, Exhibition Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS Special Session on The Mathematics of Decisions, Elections, and Games, II **Room 104, Lobby Level, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ AMS-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, III **Room 023, Exhibition Level, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

8:00ᴀᴍ–12:00ᴘᴍ AWM Special Session on Mathematics in the Literary Arts and Pedagogy in Creative Settings, I **Room 308, Level Three, The Moscone Center**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

8:00ᴀᴍ–12:00ᴘᴍ ILAS Special Session on Graphs and Matrices, I **Room 203, Level Two, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ ILAS Special Session on Spectral and combinatorial problems for nonnegative matrices and their generalizations, I **Room 209, Level Two, The Moscone Center**

NSF (NATIONAL SCIENCE FOUNDATION)

8:00ᴀᴍ–12:00ᴘᴍ NSF Special Session on Outcomes and Innovations from NSF Undergraduate Education Programs in the Mathematical Sciences III **Room 212, Level Two, The Moscone Center**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

8:00ᴀᴍ–12:00ᴘᴍ SIAM ED Session on Artificial Intelligence and its Uses in Mathematical Education, Research, and Automation in the Industry **Room 210, Level Two, The Moscone Center**

8:00ᴀᴍ–12:00ᴘᴍ SIAM Minisymposium on Recent Developments in the Analysis and Control of Partial Differential Equations Arising in Fluid and Fluid-Structure Interactive Dynamics **Room 211, Level Two, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

8:30ᴀᴍ–9:45ᴀᴍ MAA Project NExT: Setting a New Standard: Implementing Standards-Based Grading **Room 303, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:30AM–12:00PM   AMS Special Session on Recent Advances in Stochastic Differential Equation Theory and its Applications in Modeling Biological Systems, II **Room 154, Upper Mezzanine, The Moscone Center**

INVITED ADDRESSES

9:00AM–10:00AM   ASL Invited Address - François Loeser, Institut Universitaire de France, Sorbonne **Room 306, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–11:00AM   AMS Special Session on Epistemologies of the South and the Mathematics of Indigenous Peoples, II **Room 020, Exhibition Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–11:00AM   Professional Enhancement Program (PEP) 7B: Effective Technical Advocacy: How to Talk About Mathematics so Policymakers will Hear you **Foothill F, 2nd Level, Marriott Marquis San Francisco**

9:00AM–11:00AM   Professional Enhancement Program (PEP) 9B: Developing Learning Activities for Multivariable Calculus using CalcPlot3D and 3D-Printed Surfaces **Foothill D, 2nd Level, Marriott Marquis San Francisco**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

9:00AM–11:30AM   AWM Workshop: Women in Operator Theory, I **Room 301, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–12:00PM   AMS Special Session on Computational Techniques to Study the Geometry of the Shape Space, II **Room 312, Level Three, The Moscone Center**

9:00AM–12:00PM   AMS Special Session on Mathematical Modeling of Nucleic Acid Structures, II **Room 157, Upper Mezzanine, The Moscone Center**

9:00AM–12:00PM   AMS Special Session on Mathematics and the Arts, III **Room 025, Exhibition Level, The Moscone Center**

JRMF (JULIA ROBINSON MATHEMATICS FESTIVAL)

9:00AM–12:00PM   Julia Robinson Math Festival **Hall B, Exhibition Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–2:00PM   Exhibits and Book Sales **Hall A, Exhibition Level, The Moscone Center**

9:00AM–2:00PM   JMM Networking Center I sponsored by Maplesoft **Moscone Paseo Alcove, Lobby Level, The Moscone Center**

9:00AM–2:00PM   JMM Networking Center II **Moscone Upper Mezzanine, Upper Mezzanine, The Moscone Center**

9:00AM–11:00PM   Professional Enhancement Program (PEP) 4B: Becoming a Math JEDI: Working for Justice, Equity, Diversity, and Inclusion **Foothill E, 2nd Level, Marriott Marquis San Francisco**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

9:30AM–11:30AM   SIAM Minisymposium on Scientific Machine Learning to Advance Modeling and Decision Support, I **Room 307, Level Three, The Moscone Center**

INVITED ADDRESSES

9:45AM–10:50AM AMS Lecture on Education - Suzanne Weekes, Society for Industrial and Applied Mathematics **Room 207, Level Two, The Moscone Center**

10:00AM–11:00AM ASL Invited Address - Mariana Vicaria, University of California, Los Angeles **Room 306, Level Three, The Moscone Center**

NAM (NATIONAL ASSOCIATION OF MATHEMATICIANS)

10:00AM–11:00AM NAM Business Meeting **Room 304, Level Three, The Moscone Center**

INVITED ADDRESSES

11:00AM–12:05PM JPBM Communications Award Lecture - Natalie Dean, Emory University **Room 207, Level Two, The Moscone Center**

SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)

11:30AM–1:00PM SLMath (MSRI) - NAM Film Presentation: World Premiere of George Csicsery's film "Journeys of Black Mathematicians: Part 1" and Panel Discussion **Room 304, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–2:00PM AMS Business Meeting **Room 207, Level Two, The Moscone Center**

INVITED ADDRESSES

1:00PM–2:00PM ASL Invited Address - Toby Meadows, University of California Irvine **Room 306, Level Three, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

1:00PM–3:00PM Professional Enhancement Program (PEP) 3B: Changing Math Department Culture: Embracing Servingness **Foothill E, 2nd Level, Marriott Marquis San Francisco**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

1:00PM–3:00PM SIAM Minisymposium on Scientific Machine Learning to Advance Modeling and Decision Support, II **Room 307, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–3:30PM AMS Special Session on Diffusive Systems in the Natural Sciences, II **Room 157, Upper Mezzanine, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

1:00PM–4:00PM AWM Special Session on Mathematics in the Literary Arts and Pedagogy in Creative Settings, II **Room 308, Level Three, The Moscone Center**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

1:00PM–4:00PM ILAS Special Session on Spectral and combinatorial problems for nonnegative matrices and their generalizations, II **Room 209, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–4:30PM AMS Special Session on Computational Techniques to Study the Geometry of the Shape Space, III **Room 312, Level Three, The Moscone Center**

1:00ᴘᴍ–4:30ᴘᴍ   AMS Special Session on Geometry and Symmetry in Differential Equations, Control, and Applications, III **Room 152, Upper Mezzanine, The Moscone Center**

NSF (NATIONAL SCIENCE FOUNDATION)

1:00ᴘᴍ–4:30ᴘᴍ   NSF Special Session on Outcomes and Innovations from NSF Undergraduate Education Programs in the Mathematical Sciences IV **Room 212, Level Two, The Moscone Center**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

1:00ᴘᴍ–4:30ᴘᴍ   SIGMAA on Undergraduate Research Special Session on Navigating the Benefits and Challenges of Mentoring Students in Data-Driven Undergraduate Research Projects, II **Room 009, Exhibition Level, The Moscone Center**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

1:00ᴘᴍ–5:00ᴘᴍ   AIM Special Session on Equivariant Techniques in Stable Homotopy Theory, II **Room 201, Level Two, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00ᴘᴍ–5:00ᴘᴍ   AIM-AMS Special Session on Applied Topology Beyond Persistence Diagrams, III **Room 011, Exhibition Level, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Advances in Analysis, PDE's and Related Applications, III **Room 160, Upper Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Arithmetic Geometry with a View toward Computation, III **Room 074, Lower Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Combinatorial Perspectives on Algebraic Curves and their Moduli, III **Room 056, Lower Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Combinatorics for Science, III **Room 309, Level Three, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Cryptography and Related Fields, III **Room 310, Level Three, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Discrete Homotopy Theory, II **Room 158, Upper Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Exploring Spatial Ecology via Reaction Diffusion Models: New Insights and Solutions, III **Room 153, Upper Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Geometric Analysis in Several Complex Variables, III **Room 022, Exhibition Level, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on History of Mathematics, IV **Room 103, Lobby Level, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Informal Learning, Identity, and Attitudes in Mathematics, III **Room 008, Exhibition Level, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Mathematical Modeling and Simulation of Biomolecular Systems, IV **Room 155, Upper Mezzanine, The Moscone Center**

1:00ᴘᴍ–5:00ᴘᴍ   AMS Special Session on Mathematics and the Arts, IV **Room 025, Exhibition Level, The Moscone Center**

1:00PM–5:00PM AMS Special Session on Metric Geometry and Topology, III **Room 151, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM AMS Special Session on Mock Modular Forms, Physics, and Applications, IV **Room 311, Level Three, The Moscone Center**

1:00PM–5:00PM AMS Special Session on New Faces in Operator Theory and Function Theory, III **Room 159, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM AMS Special Session on Partition Theory and q-Series, III **Room 070, Lower Mezzanine, The Moscone Center**

1:00PM–5:00PM AMS Special Session on Polymath Jr REU Student Research, II **Room 105, Lobby Level, The Moscone Center**

1:00PM–5:00PM AMS Special Session on Principles, Spatial Reasoning, and Science in First-Year Calculus, II **Room 010, Exhibition Level, The Moscone Center**

1:00PM–5:00PM AMS Special Session on Recent Developments in Commutative Algebra, II **Room 305, Level Three, The Moscone Center**

1:00PM–5:00PM AMS Special Session on Recent Developments in Numerical Methods for PDEs and Applications, II **Room 156, Upper Mezzanine, The Moscone Center**

1:00PM–5:00PM AMS Special Session on Serious Recreational Mathematics, IV **Room 024, Exhibition Level, The Moscone Center**

1:00PM–5:00PM AMS Special Session on The Mathematics of Decisions, Elections, and Games, III **Room 104, Lobby Level, The Moscone Center**

1:00PM–5:00PM AMS Special Session on The Teaching and Learning of Undergraduate Ordinary Differential Equations, III **Room 020, Exhibition Level, The Moscone Center**

1:00PM–5:00PM AMS-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, IV **Room 023, Exhibition Level, The Moscone Center**

COMAP (CONSORTIUM FOR MATHEMATICS AND ITS APPLICATIONS)

1:00PM–5:00PM COMAP Workshop on Modeling for Educators: Introducing Students to Modeling in Your Classroom **Room 202, Level Two, The Moscone Center**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

1:00PM–5:00PM ILAS Special Session on Graphs and Matrices, II **Room 203, Level Two, The Moscone Center**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

1:00PM–6:00PM SIAM Minisymposium on Current Advances in Modeling and Simulation to Uncover the Complexity of Disease Dynamics **Room 211, Level Two, The Moscone Center**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

1:30PM–4:30PM AWM Workshop: Women in Operator Theory, II **Room 301, Level Three, The Moscone Center**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:30PM–5:00PM AMS Special Session on Dynamics and Regularity of PDEs, IV **Room 076, Lower Mezzanine, The Moscone Center**

1:30PM–5:00PM	AMS Special Session on Modular Tensor Categories and TQFTs beyond the Finite and Semisimple, III **Room 072, Lower Mezzanine, The Moscone Center**
1:30PM–5:00PM	AMS Special Session on Recent Advances in Stochastic Differential Equation Theory and its Applications in Modeling Biological Systems, III **Room 154, Upper Mezzanine, The Moscone Center**
1:30PM–5:00PM	AMS Special Session on Spectral Methods in Quantum Systems, III **Room 004, Exhibition Level, The Moscone Center**

JMM (JOINT MATHEMATICS MEETING)

| 2:00PM–3:30PM | JMM Panel: Cal-Bridge: Building Bridges and Diversifying Mathematics **Room 304, Level Three, The Moscone Center** |

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

| 3:30PM–4:30PM | SIAM Minisymposium on Scientific Machine Learning to Advance Modeling and Decision Support Panel **Room 307, Level Three, The Moscone Center** |

INVITED ADDRESSES

| 3:30PM–4:35PM | AMS-MAA-SIAM Gerald and Judith Porter Public Lecture **Room 207, Level Two, The Moscone Center** |