

Program at a Glance

Tuesday, January 07

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–3:00PM AMS Department Chairs and Leaders Workshop **Jefferson, Fourth Floor, Sheraton Grand Seattle**

9:00AM–3:00PM BEGIN Bootcamp **Issaquah, Third Floor, Sheraton Grand Seattle**

JMM (JOINT MATHEMATICS MEETING)

2:00PM–7:00PM Joint Meetings Registration **Atrium Lobby, Level Four, Seattle Convention Center Arch at 705 Pike**

Wednesday, January 08

JMM (JOINT MATHEMATICS MEETING)

7:00AM–3:00PM Joint Meetings Registration **Atrium Lobby, Level Four, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:00AM–9:30AM AMS Directors of Graduate Studies Focus Group **Grand Ballroom D, Second Floor, Sheraton Grand Seattle**

8:00AM–11:00AM AMS Special Session on Exploring Dynamics and Bifurcation Analysis of Discrete Dynamical Systems in Mathematical Biology, I **310, Level Three, Seattle Convention Center Arch at 705 Pike**

8:00AM–11:30AM AMS Special Session on Conservation Laws and Boundary Value Problems in far from Equilibrium Dynamics, I **303, Level Three, Seattle Convention Center Arch at 705 Pike**

8:00AM–11:45AM AMS Contributed Paper Session on Biology and Other Natural Sciences, I **308, Level Three, Seattle Convention Center Arch at 705 Pike**

8:00AM–12:00PM AMS Special Session on Advancements in Artificial Intelligence for Data Analysis: From Creativity to Innovation, I **612, Level Six, Seattle Convention Center Arch at 705 Pike**

8:00AM–12:00PM AMS Special Session on Advances in Function Theoretic Operator Theory, I **205, Level Two, Seattle Convention Center Arch at 705 Pike**

8:00AM–12:00PM AMS Special Session on Algebraic Statistics in Our Changing World, I **Yakima 1, Level 1, Seattle Convention Center Arch at 800 Pike**

8:00AM–12:00PM AMS Special Session on Arithmetic Dynamics of Single and Multiple Maps, I **604, Level Six, Seattle Convention Center Arch at 705 Pike**

8:00AM–12:00PM AMS Special Session on Business, Entrepreneurship, Government, Industry and Nonprofit (BEGIN) Career Development within Mathematics Programs, I **Skagit 3, Lower Level, Seattle Convention Center Arch at 800 Pike**

8:00AM–12:00PM AMS Special Session on Coding Theory for Modern Applications, I **605, Level Six, Seattle Convention Center Arch at 705 Pike**

8:00AM–12:00PM AMS Special Session on Cohomology of Arithmetic Groups, Mapping Class Groups, and Moduli Spaces, I **614, Level Six, Seattle Convention Center Arch at 705 Pike**

8:00AM–12:00PM AMS Special Session on Dynamical Systems Modeling Approaches Across Multiple Biological Scales, I **Skagit 5, Lower Level, Seattle Convention Center Arch at 800 Pike**

8:00AM–12:00PM AMS Special Session on Generalized Derivatives: Analysis on Time Scales, Fractional Calculus, Difference Equations, and Others, I **304, Level Three, Seattle Convention Center Arch at 705 Pike**

8:00AM–12:00PM AMS Special Session on Harnessing the Power of Mathematical Models to Understand Population Dynamics, Ecology, and Evolution, I **Skagit 4, Lower Level, Seattle Convention Center Arch at 800 Pike**

8:00AM–12:00PM AMS Special Session on Knots, 3-manifolds, and Their Invariants, I **617, Level Six, Seattle Convention Center Arch at 705 Pike**

- 8:00AM–12:00PM AMS Special Session on Mathematical Frontiers of Data Science for National Security, I **Tahoma 1, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Mathematics of Knowledge Graphs: Theory and Application, I **Tahoma 4, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on New Trends in Lie Theory and Mathematical Physics, I **606, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Partition Theory and q -Series, I **Tahoma 3, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Polymath Jr REU Student Research Session, I **Chelan 2, Level 2, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Recent Developments in Regularization Methods for Nonlinear Inverse Problems, I **210, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Several Complex Variables, Partial Differential Equations, and CR Geometry, I **201, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Spectral Theory of Ergodic Operators and Related Models, I **608, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Theoretical and Numerical Aspects of Fractional and Nonlocal Models, I **203, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Topological Data Analysis: Theory and Applications, I **620, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Topological Machine Learning, I **607, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Topological, Algebraic, and Geometric Methods for Safe, Robust, and Explainable Machine Learning, I **613, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS-SIMIODE Special Session on Modeling Matters in Teaching and Learning Differential Equations, I **Chelan 4, Level 2, Seattle Convention Center Arch at 800 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 8:00AM–12:00PM AWM Special Session on Women in Mathematical Biology, I **4C-1, Level Four, Seattle Convention Center Arch at 705 Pike**
- CRM-PIMS-AARMS (CENTRE DE RECHERCHES MATHÉMATIQUES/PACIFIC INSTITUTE FOR THE MATHEMATICAL SCIENCES/ATLANTIC ASSOCIATION FOR RESEARCH IN MATHEMATICAL SCIENCES)**
- 8:00AM–12:00PM CRM-PIMS-AARMS Special Session on Indigenous Voices in Mathematics, I **615, Level Six, Seattle Convention Center Arch at 705 Pike**
- ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)**
- 8:00AM–12:00PM ILAS Special Session on Matrix Analysis and Applications, I **211, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM ILAS Special Session on Strong Properties of Matrix Classes, I **204, Level Two, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 8:00AM–12:00PM MAA Special Session on Assessment Practices that Support Equity and Inclusion, I **619, Level Six, Seattle Convention Center Arch at 705 Pike**
- NAM (NATIONAL ASSOCIATION OF MATHEMATICIANS)**
- 8:00AM–12:00PM NAM-SIAM-AMS Special Session on Quantitative Justice **3A, Level Three, Seattle Convention Center Arch at 705 Pike**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**

- 8:00AM–12:00PM SIAM Minisymposium on Computational Advances in Solving the Electronic Structure Problem for Complex Materials **2B, Level Two, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 8:00AM–12:00PM SLMath (MSRI) Special Session on Metric Geometry and Topology, I **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- TPSE (TRANSFORMING POST-SECONDARY EDUCATION)**
- 8:00AM–12:00PM TPSE Contributed Paper Session on Transformation Models for Inclusive Student Experiences, I **618, Level Six, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 8:00AM–3:00PM Employment Center **Grand Ballroom AB, Second Floor, Sheraton Grand Seattle**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:30AM–10:00AM AMS Panel: Challenges and Opportunities in Peer Review **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 8:30AM–10:00AM JMM Panel on The Use of AI tools to Aid Mathematics Research **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 8:30AM–10:00AM MAA Workshop: Supercharging Math Instruction: A Practical Guide to Generative AI Applications **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:30AM–11:45AM AMS Contributed Paper Session on Mathematics Education, I **307, Level Three, Seattle Convention Center Arch at 705 Pike**
- AIM (AMERICAN INSTITUTE OF MATHEMATICS)**
- 8:30AM–12:00PM AIM Special Session on Math Circles for Makers, Creators, and Artists, I **3B, Level Three, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:30AM–12:00PM AMS Special Session on 35th Anniversary of AI and Math, I **Skagit 1, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:30AM–12:00PM AMS Special Session on Modeling Natural Resources, I **Skagit 2, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:30AM–12:00PM AMS Special Session on Recent Advancements in the Numerical Analysis of Nonlinear Partial Differential Equations, I **213, Level Two, Seattle Convention Center Arch at 705 Pike**
- ASL (ASSOCIATION OF SYMBOLIC LOGIC)**
- 9:00AM–10:00AM Association for Symbolic Logic Tutorial I: Tropical geometry, logarithmic limits and o-minimality **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 9:00AM–11:00AM Professional Enhancement Program (PEP) 5A: Quantum-Accelerated Supercomputing for the Mathematics Classroom **Willow A, Second Floor, Sheraton Grand Seattle**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 9:00AM–12:00PM AMS Contributed Paper Session on Probability Theory and Stochastic Processes **305, Level Three, Seattle Convention Center Arch at 705 Pike**

- 9:00AM–12:00PM AMS Special Session on Applied Category Theory, I **Yakima 2, Level 1, Seattle Convention Center Arch at 800 Pike**
- 9:00AM–12:00PM AMS Special Session on Research from the Graduate Research Workshop in Combinatorics, I **Tahoma 5, Level Three, Seattle Convention Center Arch at 800 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 9:00AM–12:00PM SIGMAA Special Session on Mathematics and the Arts, I **610, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 9:30AM–11:00AM AMS Directors of Undergraduate Studies Focus Group **Grand Ballroom D, Second Floor, Sheraton Grand Seattle**
- 9:30AM–12:00PM AMS Contributed Paper Session on Topology, I **309, Level Three, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 9:40AM–10:45AM AMS John von Neumann Lecture - Lester Mackey, Stanford University **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 10:00AM–12:00PM AMS Contributed Paper Session on Linear and Multilinear Algebra **306, Level Three, Seattle Convention Center Arch at 705 Pike**
- OTHER ORGANIZATIONS**
- 10:30AM–12:00PM Community organizing as a mathematician **400, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 10:30AM–12:00PM JMM Panel on The 1988-91 AMS “Computers and Mathematics” Initiative to Promote and Support the Use of Computers in Research & Education – And What Followed **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- JRMF (JULIA ROBINSON MATHEMATICS FESTIVAL)**
- 10:30AM–12:30PM JRMF Presents a Film: Counted Out: Math as Foundation for Life **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 10:50AM–11:55AM AMS Erdős Lecture for Students - Kristin Lauter, Meta **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 11:00AM–12:00PM AMS - MAA Information Session on The Mathematical Education of Teachers III: What Knowledge and Skills Do Mathematics Teachers Need for the 21st Century? **609, Level Six, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 12:00PM–3:00PM JMM Networking Center - Tahoma Foyer **Tahoma Foyer, Level Three, Seattle Convention Center Arch at 800 Pike**
- 12:00PM–5:30PM JMM Networking Center - Skybridge **Hall 4D - Skybridge, Level Four, Seattle Convention Center Arch at 705 Pike**
- ASL (ASSOCIATION OF SYMBOLIC LOGIC)**
- 1:00PM–2:00PM Association for Symbolic Logic Tutorial II: Tropical geometry, logarithmic limits and o-minimality **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**

- 1:00PM–2:05PM AMS Colloquium Lecture I - Svetlana Jitomirskaya, University of California, Berkeley **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 1:00PM–2:15PM MAA Project NExT: The Mentor Mosaic - Piecing Together Strategies for Advising Undergraduates **609, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–2:30PM AMS Committee on Publications Panel Discussion: Artificial Intelligence and Publishing **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 1:00PM–2:30PM JMM Workshop: Developing Online Mathematics Courses: Strategies to Consider **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–3:00PM Professional Enhancement Program (PEP) 1A: Building Conceptual Understanding of Multivariable Calculus using 3D Visualization in CalcPlot3D and 3D-Printed Surfaces **Willow A, Second Floor, Sheraton Grand Seattle**
- 1:00PM–3:00PM Professional Enhancement Program (PEP) 2A: Leveraging GitHub and AI for Mathematics Research and Teaching **Willow B, Second Floor, Sheraton Grand Seattle**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–3:15PM AMS Contributed Paper Session on Manifolds and Cell Complexes, and Global Analysis **306, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–3:15PM AMS Contributed Paper Session on Number Theory and Field Theory, I **305, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–3:45PM AMS Contributed Paper Session on Topics in Algebra **302, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–4:00PM AMS Contributed Paper Session on Topology, II **309, Level Three, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 1:00PM–4:00PM SIGMAA Special Session on Undergraduate Research Activities in Mathematical and Computational Biology, I **610, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–4:30PM AMS Special Session on Conservation Laws and Boundary Value Problems in far from Equilibrium Dynamics, II **303, Level Three, Seattle Convention Center Arch at 705 Pike**
- AIM (AMERICAN INSTITUTE OF MATHEMATICS)**
- 1:00PM–5:00PM AIM Special Session on Math Circles for Makers, Creators, and Artists, II **3B, Level Three, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–5:00PM AMS Contributed Paper Session on Mathematics Education, II **307, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on 35th Anniversary of AI and Math, II **Skagit 1, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Advances in Function Theoretic Operator Theory, II **205, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on AI meets Cryptography, I **612, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Algebraic Statistics in Our Changing World, II **Yakima 1, Level 1, Seattle Convention Center Arch at 800 Pike**

- 1:00PM–5:00PM AMS Special Session on Applied Category Theory, II **Yakima 2, Level 1, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Arithmetic Dynamics of Single and Multiple Maps, II **604, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Business, Entrepreneurship, Government, Industry and Nonprofit (BEGIN) Career Development within Mathematics Programs, II **Skagit 3, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Coding Theory for Modern Applications, II **605, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Cohomology of Arithmetic Groups, Mapping Class Groups, and Moduli Spaces, II **614, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Dynamical Systems Modeling Approaches Across Multiple Biological Scales, II **Skagit 5, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Epidemic Modeling: Current Status and Future Directions, I **608, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Generalized Derivatives: Analysis on Time Scales, Fractional Calculus, Difference Equations, and Others, II **304, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Harnessing the Power of Mathematical Models to Understand Population Dynamics, Ecology, and Evolution, II **Skagit 4, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Knots, 3-manifolds, and Their Invariants, II **617, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Mathematical Frontiers of Data Science for National Security, II **Tahoma 1, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Mathematics of Knowledge Graphs: Theory and Application, II **Tahoma 4, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on New Trends in Lie Theory and Mathematical Physics, II **606, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Partition Theory and q -Series, II **Tahoma 3, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Polymath Jr REU Student Research Session, II **Chelan 2, Level 2, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Recent Advancements in the Numerical Analysis of Nonlinear Partial Differential Equations, II **213, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Recent Developments in Regularization Methods for Nonlinear Inverse Problems, II **210, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Research from the Graduate Research Workshop in Combinatorics, II **Tahoma 5, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Several Complex Variables, Partial Differential Equations, and CR Geometry, II **201, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Theoretical and Numerical Aspects of Fractional and Nonlocal Models, II **203, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Topological Data Analysis: Theory and Applications, II **620, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Topological Machine Learning, II **607, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Topological, Algebraic, and Geometric Methods for Safe, Robust, and Explainable Machine Learning, II **613, Level Six, Seattle Convention Center Arch at 705 Pike**

- 1:00PM–5:00PM AMS-SIMODE Special Session on Modeling Matters in Teaching and Learning Differential Equations, II **Chelan 4, Level 2, Seattle Convention Center Arch at 800 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 1:00PM–5:00PM AWM Special Session on Women in Mathematical Biology, II **4C-1, Level Four, Seattle Convention Center Arch at 705 Pike**
- PMA (PRO MATHEMATICA ARTE)**
- 1:00PM–5:00PM BSM Special Session: Mathematical Research in Budapest for Students and Faculty **616, Level Six, Seattle Convention Center Arch at 705 Pike**
- CRM-PIMS-AARMS (CENTRE DE RECHERCHES MATHEMATICQUES/PACIFIC INSTITUTE FOR THE MATHEMATICAL SCIENCES/ATLANTIC ASSOCIATION FOR RESEARCH IN MATHEMATICAL SCIENCES)**
- 1:00PM–5:00PM CRM-PIMS-AARMS Special Session on Indigenous Voices in Mathematics, II **615, Level Six, Seattle Convention Center Arch at 705 Pike**
- ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)**
- 1:00PM–5:00PM ILAS Special Session on Matrix Analysis and Applications, II **211, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM ILAS Special Session on Strong Properties of Matrix Classes, II **204, Level Two, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 1:00PM–5:00PM SLMath (MSRI) Special Session on Metric Geometry and Topology, II **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- TPSE (TRANSFORMING POST-SECONDARY EDUCATION)**
- 1:00PM–5:00PM TPSE Contributed Paper Session on Transformation Models for Inclusive Student Experiences, II **618, Level Six, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 1:00PM–6:00PM MAA Special Session on Fostering Creativity in Undergraduate Mathematics Courses, I **619, Level Six, Seattle Convention Center Arch at 705 Pike**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**
- 1:00PM–6:00PM SIAM Minisymposium on Modern Uncertainty Quantification in Theory and in Practice **2B, Level Two, Seattle Convention Center Arch at 705 Pike**
- PME (PI MU EPSILON)**
- 1:30PM–2:30PM PME Panel: What Every Student Should Know about the JMM **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:30PM–5:00PM AMS Special Session on Modeling Natural Resources, II **Skagit 2, Lower Level, Seattle Convention Center Arch at 800 Pike**
- INVITED ADDRESSES**
- 2:10PM–3:15PM AMS Invited Address - Mohammed Abouzaid, Stanford University **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 3:00PM–3:30PM AWM Business Meeting **603, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**

- 3:00PM–4:30PM AMS Committee on Equity, Diversity and Inclusion Panel Discussion: How Can the Mathematical Community Mitigate Bias and Other Equity, Diversity, and Inclusion Issues in AI **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 3:00PM–4:30PM JMM Panel on The Mathematics of Mass Incarceration **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 3:00PM–4:30PM SIGMAA-UR Panel: Undergraduate Research in Mathematics for Addressing the Sustainable Development Goals in the Age of AI **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 4:30PM–4:45PM Ribbon Cutting Ceremony **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 4:30PM–5:45PM MAA Project NExT: Beyond Grades: Actionable Feedback for Growth **609, Level Six, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 4:45PM–5:45PM Awards Celebration **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- 6:00PM–8:00PM Exhibits and Book Sales **Hall 4A, Level Four, Seattle Convention Center Arch at 705 Pike**
- 6:00PM–8:00PM Grand Opening Reception **Hall 4A, Level Four, Seattle Convention Center Arch at 705 Pike**
- 8:00PM–11:00PM National Set Championship **Grand Ballroom C, Second Floor, Sheraton Grand Seattle**
- 8:45PM–10:00PM Yearly Gather: Collaborative Puzzle Time! **Ravenna BC, Third Floor, Sheraton Grand Seattle**
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Thursday, January 09

- JMM (JOINT MATHEMATICS MEETING)**
- 7:30AM–4:00PM Joint Meetings Registration **Atrium Lobby, Level Four, Seattle Convention Center Arch at 705 Pike**
- 7:30AM–4:00PM JMM Nursing Parent Room - SCC **508, Level Five, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:00AM–11:45AM AMS Contributed Paper Session on Mathematics Education, III **307, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Contributed Paper Session on Combinatorics, Graph Theory, Order, and General Algebraic Systems, I **306, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Advances in Numerical Methods for Fluid Dynamics, I **213, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Advances in Statistical Modeling and Data Analysis, I **Yakima 1, Level 1, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Affine Algebraic Geometry and \mathbb{G}_a -Actions, I **607, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Analysis and Differential Equations at Undergraduate Institutions, I **304, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Bridging Theory and Practice in Ecological Modeling with Reaction Diffusion Equations, I **Skagit 4, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Diversity in Mathematical Biology, I **Skagit 5, Lower Level, Seattle Convention Center Arch at 800 Pike**

- 8:00AM–12:00PM AMS Special Session on Geometric and Combinatorial Methods in Deep Learning Theory, I **613, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Graphs, Hypergraphs, and Extremal Combinatorics, I **Tahoma 4, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Heegaard Splittings of 3-manifolds and Trisections of 4-manifolds, I **620, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Homological Interactions Between Commutative and Noncommutative Algebra, I **602, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Machine Learning to Accelerate Mathematical Discovery, I **Skagit 2, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Mathematics, AI, and the Social Context of Our Work, I **618, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Modular Forms, Hypergeometric Functions, and Related Topics, I **604, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on New Faces in Operator Theory, I **201, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Non-smooth Analysis and Geometry, I **210, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Recent Advancement in Control Theory and Applications in Artificial Intelligence, I **205, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Recent Advancements in Integrable Systems and Orthogonal Polynomials, I **303, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Research Results by Mathematicians from the Enhancing Diversity in Graduate Education (EDGE) Program, I **Skagit 3, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Solutions of Probability or Applied Random Process Problems Using Linear Algebraic or Combinatorial Methods, I **Yakima 2, Level 1, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Spectral Theory and Mathematical Physics, I **203, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Spectral Theory of Ergodic Operators and Related Models, II **608, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Systemic Change Within and Between K-12 and Post-Secondary Mathematics Education: Improvement for Smooth Transitions and Increased Persistence in Mathematics for All Students, I **Chelan 2, Level 2, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on the Open Neighborhood of Applied Topology, I **614, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on The Teaching and Learning of Undergraduate Ordinary Differential Equations, I **Chelan 4, Level 2, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Topological and Algebraic Properties of Additive Manufacturing, I **617, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Trends in Coding Theory, I **605, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS-MAA-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, I **Skagit 1, Lower Level, Seattle Convention Center Arch at 800 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 8:00AM–12:00PM AWM Special Session on Exploring Mathematics through the Arts and Pedagogy in Creative Settings, I **619, Level Six, Seattle Convention Center Arch at 705 Pike**

- 8:00AM–12:00PM AWM Special Session on Women in Mathematical Biology, III **4C-1, Level Four, Seattle Convention Center Arch at 705 Pike**
- CRM-PIMS-AARMS (CENTRE DE RECHERCHES MATHÉMATIQUES/PACIFIC INSTITUTE FOR THE MATHEMATICAL SCIENCES/ATLANTIC ASSOCIATION FOR RESEARCH IN MATHEMATICAL SCIENCES)**
- 8:00AM–12:00PM CRM-PIMS-AARMS Special Session on Indigenous Voices in Mathematics, III **615, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:00AM–12:00PM MRC Algebraic Combinatorics, I **Tahoma 5, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM MRC Climate Science at the Interface Between Topological Data Analysis and Dynamical Systems Theory, I **Tahoma 1, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM MRC Homotopical Combinatorics, I **Tahoma 2, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM MRC Mathematics of Adversarial, Interpretable, and Explainable AI, I **Chelan 5, Level 2, Seattle Convention Center Arch at 800 Pike**
- NAM (NATIONAL ASSOCIATION OF MATHEMATICIANS)**
- 8:00AM–12:00PM NAM Haynes-Granville-Browne Session of Presentations by Recent Doctoral Recipients **3A, Level Three, Seattle Convention Center Arch at 705 Pike**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**
- 8:00AM–12:00PM SIAM Minisymposium on Scientific Machine Learning: Recent Advances and Future Directions, I **2B, Level Two, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 8:00AM–5:30PM Employment Center **Grand Ballroom AB, Second Floor, Sheraton Grand Seattle**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:15AM–12:00PM AMS Contributed Paper Session on Biology and Other Natural Sciences, II **308, Level Three, Seattle Convention Center Arch at 705 Pike**
- OTHER ORGANIZATIONS**
- 8:30AM–10:00AM Panamanian Foundation for the Promotion of Mathematics (FUNDAPROMAT) Presents- Stories of Resilience in the Mathematical Community **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**
- 8:30AM–10:00AM SIAM Panel on Shedding Light on Opportunities for Applied Mathematicians in Industry and Government **603, Level Six, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 8:30AM–10:00AM SIGMAA Workshop: Team-worthy Activities for Discrete Mathematics Instruction **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- AIM (AMERICAN INSTITUTE OF MATHEMATICS)**
- 8:30AM–12:00PM AIM Special Session on Math Circles for Makers, Creators, and Artists, III **3B, Level Three, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:30AM–12:00PM AMS Special Session on AI Meets Cryptography, II **612, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:30AM–12:00PM AMS Special Session on Random Walks on Graphs and Related Parameters, I **Tahoma 3, Level Three, Seattle Convention Center Arch at 800 Pike**
- SPECTRA**

- 9:00AM–10:50AM Spectra Workshop: Accessibility & Inclusivity in a Math Classroom: Union & Intersection of LGBTQ+ and Disability **400, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 9:00AM–11:00AM Professional Enhancement Program (PEP) 5B: Quantum-Accelerated Supercomputing for the Mathematics Classroom **Willow A, Second Floor, Sheraton Grand Seattle**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 9:00AM–11:00AM SLMath (MSRI) Special Session on MSRI-UP 2024 Mathematical Endocrinology, I **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 9:00AM–11:30AM AMS Contributed Paper Session on Number Theory and Field Theory, II **305, Level Three, Seattle Convention Center Arch at 705 Pike**
- ASL (ASSOCIATION OF SYMBOLIC LOGIC)**
- 9:00AM–11:30AM ASL Special Session on Combinatorial Set Theory, I **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 9:00AM–12:00PM AMS Special Session on Dynamics of Continued Fractions and Related Systems, I **310, Level Three, Seattle Convention Center Arch at 705 Pike**
- 9:00AM–12:00PM AMS Special Session on Variational Methods in Quantum Computing, I **606, Level Six, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 9:00AM–12:00PM SIGMAA Special Session on Mathematics and the Arts, II **610, Level Six, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 9:00AM–5:00PM Exhibits and Book Sales **Hall 4A, Level Four, Seattle Convention Center Arch at 705 Pike**
- 9:00AM–5:30PM JMM Networking Center - Skybridge **Hall 4D - Skybridge, Level Four, Seattle Convention Center Arch at 705 Pike**
- 9:00AM–5:30PM JMM Networking Center - Tahoma Foyer **Tahoma Foyer, Level Three, Seattle Convention Center Arch at 800 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 9:15AM–10:30AM MAA Project NEXt: Integrating into a New Institution **609, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 9:30AM–11:00AM Math Meets Policy: Advocating for Change **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 9:40AM–10:45AM ILAS Invited Address - Anne Greenbaum, University of Washington **Ballroom 6C, Level Six, Seattle Convention Center Arch at 705 Pike**
- 9:40AM–10:45AM PME J. Sutherland Frame Lecture - Daniela Witten, University of Washington **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 10:00AM–3:00PM AMS Career Fair **Hall 4B, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 10:00AM–5:00PM Exhibitor Presentation Theater **Hall 4A, Level Four, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

10:30AM–11:45AM AMS Contributed Paper Session on Sequences, Approximations, and Harmonic Analysis **302, Level Three, Seattle Convention Center Arch at 705 Pike**

JMM (JOINT MATHEMATICS MEETING)

10:30AM–12:00PM JMM Workshop on Engage, Enhance, Educate: Exploring AI-Driven Teaching Strategies and Tools for Tomorrow's Math Classrooms **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**

INVITED ADDRESSES

10:50AM–11:55AM AIM Alexanderson Award Lecture **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**

10:50AM–11:55AM MAA Lecture on Teaching and Learning - Eric Hsu, San Francisco State University **Ballroom 6C, Level Six, Seattle Convention Center Arch at 705 Pike**

PME (PI MU EPSILON)

11:00AM–12:00PM PME Panel: What Every Student Should Know about the JMM **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**

SPECTRA

11:10AM–12:00PM Spectra Career Workshop **400, Level Four, Seattle Convention Center Arch at 705 Pike**

12:00PM–2:00PM Estimathon **Grand Ballroom C, Second Floor, Sheraton Grand Seattle**

OTHER ORGANIZATIONS

1:00PM–2:00PM W + AM Alumnae Coffee Hour **Medina, Third Floor, Sheraton Grand Seattle**

INVITED ADDRESSES

1:00PM–2:05PM AMS Colloquium Lecture II - Svetlana Jitomirskaya, University of California, Berkeley **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–2:30PM AMS Committee on Education Panel Discussion on Mathematics Education for Using and Understanding AI **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**

JMM (JOINT MATHEMATICS MEETING)

1:00PM–2:30PM JMM Workshop on Artificial Intelligence and Game Theory: An Intersection of Theory and Applications **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

1:00PM–2:30PM MAA Panel: AI Transformed: Navigating the New Landscape for Business, Industry, Government and Education **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**

JMM (JOINT MATHEMATICS MEETING)

1:00PM–3:00PM Professional Enhancement Program (PEP) 1B: Building Conceptual Understanding of Multivariable Calculus using 3D Visualization in CalcPlot3D and 3D-Printed Surfaces **Willow A, Second Floor, Sheraton Grand Seattle**

1:00PM–3:00PM Professional Enhancement Program (PEP) 2B: Leveraging GitHub and AI for Mathematics Research and Teaching **Willow B, Second Floor, Sheraton Grand Seattle**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

1:00PM–3:00PM SIGMAA Contributed Paper Session on Using AI in Mathematics Instruction **609, Level Six, Seattle Convention Center Arch at 705 Pike**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

1:00PM–3:30PM ILAS Special Session on Inverse Spectral Problems for Nonnegative Matrices, I **4C-1, Level Four, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–3:45PM AMS Contributed Paper Session on Integral Transforms, Integral Equations, and Calculus of Variations **308, Level Three, Seattle Convention Center Arch at 705 Pike**

1:00PM–3:45PM AMS Contributed Paper Session on Number Theory and Field Theory, III **305, Level Three, Seattle Convention Center Arch at 705 Pike**

AIM (AMERICAN INSTITUTE OF MATHEMATICS)

1:00PM–5:00PM AIM Special Session on Energy Minimization: From Analysis to Discrete Geometry (associated with the Alexanderson Award Lecture by Dmitriy Bilyk) **3B, Level Three, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

1:00PM–5:00PM AMS Contributed Paper Session on Combinatorics, Graph Theory, Order, and General Algebraic Systems, II **307, Level Three, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Contributed Paper Session on Mechanics and Fluid Mechanics **306, Level Three, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Advances in Numerical Methods for Fluid Dynamics, II **213, Level Two, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Advances in Statistical Modeling and Data Analysis, II **Yakima 1, Level 1, Seattle Convention Center Arch at 800 Pike**

1:00PM–5:00PM AMS Special Session on AI Applications in Health and Medicine **608, Level Six, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on AI Meets Cryptography, III **612, Level Six, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Analysis and Differential Equations at Undergraduate Institutions, II **304, Level Three, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Bridging Theory and Practice in Ecological Modeling with Reaction Diffusion Equations, II **Skagit 4, Lower Level, Seattle Convention Center Arch at 800 Pike**

1:00PM–5:00PM AMS Special Session on Conceptual Learning in the Age of AI, I **607, Level Six, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Diversity in Mathematical Biology, II **Skagit 5, Lower Level, Seattle Convention Center Arch at 800 Pike**

1:00PM–5:00PM AMS Special Session on Dynamics of Continued Fractions and Related Systems, II **310, Level Three, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Geometric and Combinatorial Methods in Deep Learning Theory, II **613, Level Six, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Graphs, Hypergraphs, and Extremal Combinatorics, II **Tahoma 4, Level Three, Seattle Convention Center Arch at 800 Pike**

1:00PM–5:00PM AMS Special Session on Heegaard Splittings of 3-manifolds and Trisections of 4-manifolds, II **620, Level Six, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Homological Interactions Between Commutative and Noncommutative Algebra, II **602, Level Six, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on Machine Learning to Accelerate Mathematical Discovery, II **Skagit 2, Lower Level, Seattle Convention Center Arch at 800 Pike**

1:00PM–5:00PM AMS Special Session on Modular Forms, Hypergeometric Functions, and Related Topics, II **604, Level Six, Seattle Convention Center Arch at 705 Pike**

1:00PM–5:00PM AMS Special Session on New Faces in Operator Theory, II **201, Level Two, Seattle Convention Center Arch at 705 Pike**

- 1:00PM–5:00PM AMS Special Session on Non-smooth Analysis and Geometry, II **210, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Random Walks on Graphs and Related Parameters, II **Tahoma 3, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Recent Advancements in Integrable Systems and Orthogonal Polynomials, II **303, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Research Results by Mathematicians from the Enhancing Diversity in Graduate Education (EDGE) Program, II **Skagit 3, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Solutions of Probability or Applied Random Process Problems Using Linear Algebraic or Combinatorial Methods, II **Yakima 2, Level 1, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on Systemic Change Within and Between K-12 and Post-Secondary Mathematics Education: Improvement for Smooth Transitions and Increased Persistence in Mathematics for All Students,II **Chelan 2, Level 2, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM AMS Special Session on the Open Neighborhood of Applied Topology, II **614, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Topological and Algebraic Properties of Additive Manufacturing, II **617, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Trends in Coding Theory, II **605, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS-MAA-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, II **Skagit 1, Lower Level, Seattle Convention Center Arch at 800 Pike**
- ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)**
- 1:00PM–5:00PM ILAS Special Session on Innovative and Effective Ways to Teach Linear Algebra, I **204, Level Two, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 1:00PM–5:00PM MAA Special Session on Assessment Practices that Support Equity and Inclusion, II **610, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–5:00PM MRC Algebraic Combinatorics, II **Tahoma 5, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM MRC Climate Science at the Interface Between Topological Data Analysis and Dynamical Systems Theory, II **Tahoma 1, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM MRC Homotopical Combinatorics, II **Tahoma 2, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:00PM MRC Mathematics of Adversarial, Interpretable, and Explainable AI, II **Chelan 5, Level 2, Seattle Convention Center Arch at 800 Pike**
- NAM (NATIONAL ASSOCIATION OF MATHEMATICIANS)**
- 1:00PM–5:00PM NAM Special Session on the Legacy of Elbert Frank Cox: First African American PhD in Mathematics **3A, Level Three, Seattle Convention Center Arch at 705 Pike**
- PME (PI MU EPSILON)**
- 1:00PM–5:00PM PME Contributed Session on Research by Undergraduates, I **615, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM PME Contributed Session on Research by Undergraduates, II **616, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM PME Contributed Session on Research by Undergraduates, III **618, Level Six, Seattle Convention Center Arch at 705 Pike**

- 1:00PM–5:00PM PME Contributed Session on Research by Undergraduates, IV **619, Level Six, Seattle Convention Center Arch at 705 Pike**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**
- 1:00PM–5:00PM SIAM Minisymposium on Scientific Machine Learning: Recent Advances and Future Directions, II **2B, Level Two, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 1:00PM–5:00PM SLMath (MSRI) Special Session on MSRI-UP 2024 Mathematical Endocrinology, II **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:30PM–5:00PM AMS Special Session on The Teaching and Learning of Undergraduate Ordinary Differential Equations, II **Chelan 4, Level 2, Seattle Convention Center Arch at 800 Pike**
- ASL (ASSOCIATION OF SYMBOLIC LOGIC)**
- 2:00PM–4:30PM ASL Special Session on Combinatorial Set Theory, II **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 2:00PM–5:00PM AMS Special Session on Recent Advancement in Control Theory and Applications in Artificial Intelligence, II **205, Level Two, Seattle Convention Center Arch at 705 Pike**
- 2:00PM–5:00PM AMS Special Session on Variational Methods in Quantum Computing, II **606, Level Six, Seattle Convention Center Arch at 705 Pike**
- NSF (NATIONAL SCIENCE FOUNDATION)**
- 2:00PM–5:00PM NSF Special Session on Exploring Funding Opportunities in the Division of Mathematical Sciences, I **603, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 2:00PM–6:00PM AMS Special Session on Spectral Theory and Mathematical Physics, II **203, Level Two, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 2:10PM–3:15PM ASA Invited Address - Bonnie Ghosh-Dastidar, RAND **Ballroom 6C, Level Six, Seattle Convention Center Arch at 705 Pike**
- 2:10PM–3:15PM The Spectra Lavender Lecture - Emmy Murphy, University of Toronto, Mississauga **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 3:00PM–4:30PM CANCELLED AMS Fireside CEO Chat **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 3:00PM–4:30PM Joint Committee on Women Panel: Outreach and Public Engagement to Expand the Mathematical Pipeline **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- TPSE (TRANSFORMING POST-SECONDARY EDUCATION)**
- 3:00PM–4:30PM TPSE Panel: Practices of Effective Mathematics Departments **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 3:20PM–4:25PM AWM-AMS Noether Lecture - Neena Gupta, Indian Statistical Institute **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**

- 3:30PM–4:45PM MAA Project NEXt: Establishing Your Undergraduate Research Program **609, Level Six, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 5:00PM–6:00PM AMS Josiah Willard Gibbs Lecture - Yann LeCun, Meta **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- 6:00PM–7:00PM American Statistical Association's Invited Address Reception **Willow B, Second Floor, Sheraton Grand Seattle**
- 6:00PM–7:00PM Budapest Semesters in Mathematics (BSM) Alumni Reunion **Ballard, Third Floor, Sheraton Grand Seattle**
- 6:00PM–7:30PM ACMS Reception **Issaquah, Third Floor, Sheraton Grand Seattle**
- 6:00PM–7:30PM Networking Reception for Teaching Focused Faculty **Cirrus Ballroom, 35th Floor, Sheraton Grand Seattle**
- 6:00PM–7:30PM University of Wisconsin-Madison Alumni and Friends Reception **Jefferson, Fourth Floor, Sheraton Grand Seattle**
- 6:00PM–8:00PM Mathematical Institutes Open House **Metropolitan Ballroom A, Third Floor, Sheraton Grand Seattle**
- 6:00PM–8:00PM North Carolina State University, Reception for Alumni and Friends of the Department of Mathematics **Boren, Fourth Floor, Sheraton Grand Seattle**
- 6:00PM–8:00PM OSU Math Alumni & Friends Reception **Aspen, Second Floor, Sheraton Grand Seattle**
- 6:00PM–8:00PM Penn State's Eberly College of Science and Department of Mathematics Alumni Reception **Cedar, Second Floor, Sheraton Grand Seattle**
- 6:00PM–8:00PM Spectra's Annual Reception for LGBTQ+ Mathematicians **Grand Ballroom D, Second Floor, Sheraton Grand Seattle**
- 6:00PM–8:00PM University of Tennessee, Math Alumni and Friends Reception **OFFSITE, OFF SITE SEATTLE**
- 6:30PM–8:30PM PROMYS and Ross Program Gathering of Alumni and Friends **Virginia, Fourth Floor, Sheraton Grand Seattle**
- 7:00PM–8:30PM UW Math Alumni Gathering **Juniper, Second Floor, Sheraton Grand Seattle**
- 7:00PM–9:00PM Society for Industrial and Applied Mathematics (SIAM) Reception on Industrial Math Modeling **Redwood, Second Floor, Sheraton Grand Seattle**
- 8:00PM–9:30PM American Institute of Mathematics Math Circles Dessert and Games Night Reception **Grand Ballroom C, Second Floor, Sheraton Grand Seattle**
- 8:15PM–9:45PM Knitting Circle **Ravenna, Third Floor, Sheraton Grand Seattle**

Friday, January 10

- 7:15AM–9:00AM YP17 HCSSiM Reunion Breakfast **Cedar A, Second Floor, Sheraton Grand Seattle**
- JMM (JOINT MATHEMATICS MEETING)**
- 7:30AM–4:00PM Joint Meetings Registration **Atrium Lobby, Level Four, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:00AM–11:00AM AMS Graduate School Fair **Hall 4B, Level Four, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–11:00AM AMS Special Session on Modeling and Optimization on Graph-Structured Data, I **203, Level Two, Seattle Convention Center Arch at 705 Pike**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**
- 8:00AM–11:00AM SIAM Minisymposium on Mathematical Perspectives on Generative Modeling, I **2B, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–11:00AM SIAM Minisymposium on Reduced Order Models for Convection-Dominated Flows: Modeling, Analysis, and Simulation, I **3A, Level Three, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

- 8:00AM–11:30AM AMS Special Session on Topology and Geometry Aspect of Deep Learning, I **Tahoma 1, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Contributed Paper Session on Combinatorics, Graph Theory, Order, and General Algebraic Systems, III **307, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Contributed Paper Session on Commutative Algebra and Algebraic Geometry **302, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Contributed Paper Session on Geometry **309, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Contributed Paper Session on History, Biography, Logic and Foundations **306, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Contributed Paper Session on Partial Differential Equations, I **308, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Advances in Modeling and Analysis in Life Sciences, I **Skagit 4, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Advances in Nonlinear Dispersive and Kinetic Equations, I **303, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Advances in Operator Algebras, I **201, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Affine Algebraic Geometry and \mathbb{G}_a -Actions, II **607, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on AI for the Working Mathematician, I **Skagit 3, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Algebraic Methods in Machine Learning and Optimization, I **Skagit 2, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Algorithmic Approaches for Promoting Fairness in ML, I **606, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Data Fusion Methods, Modeling, and Applications, I **Yakima 2, Level 1, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Descriptive Combinatorics, Dynamics, and Measured Group Theory, I **605, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Dynamic Horizons in Mathematical Biology and Ecology: Current Insights and Future Prospects, I **Skagit 5, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Geometric PDE and Mathematical Physics, I **614, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Homotopy Theory, I **617, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Mathematic of Decisions, Elections, and Games, I **Tahoma 2, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Mathematical Quantum Chaos, I **612, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Mathematics Informed by Computing, I **613, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Mathematics of Topological Insulators, I **Yakima 1, Level 1, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Methods of Compassionate Math I **Chelan 5, Level 2, Seattle Convention Center Arch at 800 Pike**

- 8:00AM–12:00PM AMS Special Session on New Developments in Noncommutative Algebra, I **602, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Recent Advances in Potential Theory and Partial Differential Equations, I **213, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Rethinking Number Theory: Highlighting the Research and Discussions of the RNT Workshops, I **604, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Spectral Theory of Ergodic Operators and Related Models, III **608, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on The Euler Water Wave Problem, I **210, Level Two, Seattle Convention Center Arch at 705 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 8:00AM–12:00PM AWM Special Session on AWM Purdue Chapter: Over a Decade of Empowering Women in Math, I **4C-1, Level Four, Seattle Convention Center Arch at 705 Pike**
- ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)**
- 8:00AM–12:00PM ILAS Special Session on 05C50 Offline, I **204, Level Two, Seattle Convention Center Arch at 705 Pike**
- PME (PI MU EPSILON)**
- 8:00AM–12:00PM PME Contributed Session on Research by Undergraduates, V **615, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM PME Contributed Session on Research by Undergraduates, VI **616, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM PME Contributed Session on Research by Undergraduates, VII **618, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM PME Contributed Session on Research by Undergraduates, VIII **619, Level Six, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 8:00AM–12:00PM SIGMAA Special Session on Research in Undergraduate Mathematics Education, I **610, Level Six, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 8:00AM–12:00PM SLMath (MSRI) Special Session on ADJOINT Mathematics Working Groups, I **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 8:00AM–5:30PM Employment Center **Grand Ballroom AB, Second Floor, Sheraton Grand Seattle**
- INVITED ADDRESSES**
- 8:30AM–9:35AM TPSE Invited Address - Joan Ferrini-Mundy, University of Maine **Ballroom 6C, Level Six, Seattle Convention Center Arch at 705 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 8:30AM–10:00AM AWM Workshop: EvenQuads Translate-a-Thon **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:30AM–10:00AM CANCELLED AMS BEGIN Sponsors Panel **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 8:30AM–10:00AM JMM Panel on Data Science in Undergraduate Mathematics Classrooms: Why and How? **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:30AM–12:00PM AMS Special Session on Extremal Combinatorics and Random Discrete Structures, I **Tahoma 3, Level Three, Seattle Convention Center Arch at 800 Pike**

8:30AM–12:00PM AMS Special Session on Fractal Geometry with Applications to Analysis, Number Theory and Mathematical Physics, I **310, Level Three, Seattle Convention Center Arch at 705 Pike**

NSF (NATIONAL SCIENCE FOUNDATION)

8:30AM–12:00PM NSF Special Session on Outcomes and Innovations from NSF Undergraduate Education Programs in the Mathematical Sciences, I **603, Level Six, Seattle Convention Center Arch at 705 Pike**

SPECTRA

8:30AM–12:00PM Spectra Special Session on Research by LGBTQ+ Mathematicians, I: Theory, Combinatorics **400, Level Four, Seattle Convention Center Arch at 705 Pike**

INVITED ADDRESSES

9:00AM–10:00AM ASL Invited Address - Maria-Florina Balcan, Carnegie Mellon University **2A, Level Two, Seattle Convention Center Arch at 705 Pike**

9:00AM–10:00AM MAA-SIAM-AMS Hrabowski-Gates-Tapia-McBay Lecture by Victor Moll, Tulane University **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–11:00AM CANCELLED Professional Enhancement Program (PEP) 3A: Mentoring for Equity: Accounting for Identity and Culture in Our Most Important of Relationships **Willow A, Second Floor, Sheraton Grand Seattle**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–12:00PM AMS Special Session on Coloring Problems in Combinatorics, I **Tahoma 4, Level Three, Seattle Convention Center Arch at 800 Pike**

9:00AM–12:00PM AMS Special Session on Inverse Problems and Harmonic Analysis, I **304, Level Three, Seattle Convention Center Arch at 705 Pike**

9:00AM–12:00PM AMS Special Session on Research Presentations by Math Alliance Scholar Doctorates, I **Skagit 1, Lower Level, Seattle Convention Center Arch at 800 Pike**

9:00AM–12:00PM AMS Special Session on Results on Curves and Surfaces Inspired by Experiments, I **620, Level Six, Seattle Convention Center Arch at 705 Pike**

9:00AM–12:00PM AMS Special Session on SoTL: Connecting Generative AI and Scholarly Inquiry to Improve Teaching and Learning, I **Chelan 4, Level 2, Seattle Convention Center Arch at 800 Pike**

9:00AM–12:00PM AMS Special Session on Sparse Graphs: Colorings, Randomness, and Ramsey Theory, I **Tahoma 5, Level Three, Seattle Convention Center Arch at 800 Pike**

9:00AM–12:00PM AMS-MAA-SIGMAA Special Session on Exemplar Mathematics Departments Supporting PK-12 Mathematics Teachers, I **Chelan 2, Level 2, Seattle Convention Center Arch at 800 Pike**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–5:00PM Exhibits and Book Sales **Hall 4A, Level Four, Seattle Convention Center Arch at 705 Pike**

9:00AM–5:00PM JMM Networking Center - Skybridge **Hall 4D - Skybridge, Level Four, Seattle Convention Center Arch at 705 Pike**

9:00AM–5:00PM JMM Networking Center - Tahoma Foyer **Tahoma Foyer, Level Three, Seattle Convention Center Arch at 800 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:30AM–12:00PM AMS Special Session on Trustworthy AI Applications Including Machine Learning, PINN, and Inverse Problems, I **205, Level Two, Seattle Convention Center Arch at 705 Pike**

INVITED ADDRESSES

- 9:40AM–10:45AM CRM-PIMS-AARMS Invited Address - Wilfrid Gangbo, UCLA **Ballroom 6C, Level Six, Seattle Convention Center Arch at 705 Pike**
- 10:00AM–10:50AM SIAM-AMS Hrabowski-Gates-Tapia-McBay Panel on Expanding Access to Mathematics Research Opportunities **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- 10:00AM–11:00AM ASL Invited Address - Anton Bernshteyn, UCLA **2A, Level Two, Seattle Convention Center Arch at 705 Pike**

JMM (JOINT MATHEMATICS MEETING)

- 10:00AM–5:00PM Exhibitor Presentation Theater **Hall 4A, Level Four, Seattle Convention Center Arch at 705 Pike**
- 10:30AM–12:00PM JMM Workshop on Entrepreneurial Mindset in Teaching Mathematics **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

- 10:30AM–12:00PM SIGMAA Panel: Navigating the Frontier: Statistics, Data Science, and AI in the First Two Years of College **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**

INVITED ADDRESSES

- 10:50AM–11:55AM AAAS-AMS Invited Address - Rebecca Willett, University of Chicago **Ballroom 6C, Level Six, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

- 11:00AM–12:00PM CANCELLED AMS Information Session on an Overview of the IGEN Mathematics Initiative **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**

OTHER ORGANIZATIONS

- 11:00AM–12:00PM Conversation about Outreach with MathHappens **Diamond B, First Floor, Sheraton Grand Seattle**

INVITED ADDRESSES

- 11:00AM–12:05PM SIAM Invited Address - Steven Lee **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**

PME (PI MU EPSILON)

- 12:30PM–2:00PM AMS - PME Undergraduate Student Poster Session, I **Hall 4B, Level Four, Seattle Convention Center Arch at 705 Pike**

INVITED ADDRESSES

- 1:00PM–2:00PM ASL Invited Address - Alexi Block Gorman, Ohio State University **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–2:05PM AMS Colloquium Lecture III - Svetlana Jitomirskaya, University of California, Berkeley **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**

MAA (MATHEMATICAL ASSOCIATION OF AMERICA)

- 1:00PM–2:15PM MAA Project NExT Panel Discussion: Thriving in Academia: Striking the Perfect Chord Between Work and Life **609, Level Six, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

- 1:00PM–2:30PM AMS Committee on the Profession Panel Discussion: AI tools for Mathematical Reasoning: What is the Current Status, Outlook for the Future, and Impact on the Mathematics Profession? **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–2:30PM AMS Contributed Paper Session on Groups, Topological Groups, and Lie Groups **302, Level Three, Seattle Convention Center Arch at 705 Pike**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

- 1:00PM–2:30PM AWM Workshop Panel: The Intersection of AI and Women+ in the Mathematical Sciences **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–2:45PM AMS Contributed Paper Session on Dynamical Systems **309, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–3:00PM AMS Special Session on Modeling and Optimization on Graph-Structured Data, II **203, Level Two, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 1:00PM–3:00PM Professional Enhancement Program (PEP) 4A: Formalization in the Lean Theorem Prover **Willow A, Second Floor, Sheraton Grand Seattle**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**
- 1:00PM–3:00PM SIAM Minisymposium on Mathematical Perspectives on Generative Modeling, II **2B, Level Two, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 1:00PM–3:30PM SLMath (MSRI) Special Session on ADJOINT Mathematics Working Groups, II **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–4:00PM AMS Special Session on Results on Curves and Surfaces Inspired by Experiments, II **620, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–4:00PM AMS Special Session on Topology and Geometry Aspect of Deep Learning, II **Tahoma 1, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–4:30PM AMS Contributed Paper Session on Topics in Mathematical Physics **306, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Fractal Geometry with Applications to Analysis, Number Theory and Mathematical Physics, II **310, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Trustworthy AI Applications Including Machine Learning, PINN, and Inverse Problems, II **205, Level Two, Seattle Convention Center Arch at 705 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 1:00PM–5:00PM AWM Special Session on AWM Purdue Chapter: Over a Decade of Empowering Women in Math, II **4C-1, Level Four, Seattle Convention Center Arch at 705 Pike**
- CRM-PIMS-AARMS (CENTRE DE RECHERCHES MATHEMATICQUES/PACIFIC INSTITUTE FOR THE MATHEMATICAL SCIENCES/ATLANTIC ASSOCIATION FOR RESEARCH IN MATHEMATICAL SCIENCES)**
- 1:00PM–5:00PM CRM-PIMS-AARMS Special Session on Optimal Transport - Theory and Applications, I **615, Level Six, Seattle Convention Center Arch at 705 Pike**
- ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)**
- 1:00PM–5:00PM ILAS Special Session on 05C50 Offline, II **204, Level Two, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 1:00PM–5:00PM SIGMAA Special Session on Mathematics and the Arts, III **610, Level Six, Seattle Convention Center Arch at 705 Pike**
- SPECTRA**
- 1:00PM–5:00PM Spectra Special Session on Research by LGBTQ+ Mathematicians, II: QCAM, ESJ **400, Level Four, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**

- 1:00PM–5:15PM AMS Contributed Paper Session on Teaching and Learning, and Recreational Mathematics **305, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:30PM AMS Special Session on Incorporating Programming in Non-Programming Math Courses, I **617, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Advances in Modeling and Analysis in Life Sciences, II **Skagit 4, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Advances in Nonlinear Dispersive and Kinetic Equations, II **303, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Advances in Operator Algebras, II **201, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Affine Algebraic Geometry and \mathbb{G}_a -Actions, III **607, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Algebraic Methods in Machine Learning and Optimization, II **Skagit 2, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Computational Biomedicine: Emerging Methods and Applications, I **Skagit 3, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Current Directions on Modular Forms: in Twenty Minutes Snippets, I **606, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Descriptive Combinatorics, Dynamics, and Measured Group Theory, II **605, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Dynamic Horizons in Mathematical Biology and Ecology: Current Insights and Future Prospects, II **Skagit 5, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Geometric PDE and Mathematical Physics, II **614, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on History of Mathematics, I **608, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Mathematic of Decisions, Elections, and Games, II **Tahoma 2, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Mathematical Quantum Chaos, II **612, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Mathematics Informed by Computing, II **613, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Mathematics of Topological Insulators, II **Yakima 1, Level 1, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Mathematics, AI, and the Social Context of Our Work, II **618, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Methods of Compassionate Math II **Chelan 5, Level 2, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on New Developments in Noncommutative Algebra, II **602, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Recent Advances in Potential Theory and Partial Differential Equations, II **213, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Rethinking Number Theory: Highlighting the Research and Discussions of the RNT Workshops, II **604, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on The Euler Water Wave Problem, II **210, Level Two, Seattle Convention Center Arch at 705 Pike**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

- 1:00PM–6:00PM SIAM Minisymposium on Mathematical Foundations of Climate and Earth System Modeling **3A, Level Three, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:15PM–3:15PM AMS Contributed Paper Session on Partial Differential Equations, II **308, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:15PM–4:30PM AMS Contributed Paper Session on Combinatorics, Graph Theory, Order, and General Algebraic Systems, IV **307, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:30PM–5:00PM AMS Special Session on Research Presentations by Math Alliance Scholar Doctorates, II **Skagit 1, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:30PM–5:00PM AMS Special Session on SoTL: Connecting Generative AI and Scholarly Inquiry to Improve Teaching and Learning, II **Chelan 4, Level 2, Seattle Convention Center Arch at 800 Pike**
- NSF (NATIONAL SCIENCE FOUNDATION)**
- 1:30PM–5:00PM NSF Special Session on Outcomes and Innovations from NSF Undergraduate Education Programs in the Mathematical Sciences, II **603, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:30PM–5:30PM AMS Special Session on Extremal Combinatorics and Random Discrete Structures, II **Tahoma 3, Level Three, Seattle Convention Center Arch at 800 Pike**
- INVITED ADDRESSES**
- 2:00PM–3:00PM ASL Invited Address - Andy Zucker, University of Waterloo **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 2:00PM–5:00PM AMS Special Session on Inverse Problems and Harmonic Analysis, II **304, Level Three, Seattle Convention Center Arch at 705 Pike**
- 2:00PM–5:00PM AMS Special Session on Sparse Graphs: Colorings, Randomness, and Ramsey Theory, II **Tahoma 5, Level Three, Seattle Convention Center Arch at 800 Pike**
- 2:00PM–5:00PM AMS-MAA-SIGMAA Special Session on Exemplar Mathematics Departments Supporting PK-12 Mathematics Teachers, II **Chelan 2, Level 2, Seattle Convention Center Arch at 800 Pike**
- INVITED ADDRESSES**
- 2:00PM–6:00PM AMS Current Events Bulletin **Ballroom 6C, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 2:00PM–6:00PM AMS Special Session on Coloring Problems in Combinatorics, II **Tahoma 4, Level Three, Seattle Convention Center Arch at 800 Pike**
- INVITED ADDRESSES**
- 2:10PM–3:15PM AMS Invited Address - Kirsten Wickelgren, Duke University **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 2:30PM–4:00PM AMS Committee on Science Policy Panel Discussion on Artificial Intelligence and the Future of the Mathematical Sciences **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 3:00PM–4:30PM JMM Workshop on Advances in Neural Operators and Uncertainty Quantification for Scientific Modeling **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- TPSE (TRANSFORMING POST-SECONDARY EDUCATION)**

- 3:00PM–4:30PM TPSE Workshop: The Impact of AI in the Mathematics Curriculum, Teaching, and Research **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- ASL (ASSOCIATION OF SYMBOLIC LOGIC)**
- 3:00PM–5:00PM ASL Contributed Paper Session, I **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 3:20PM–4:25PM AMS Maryam Mirzakhani Lecture - Alexander Wright, University of Michigan **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- PME (PI MU EPSILON)**
- 3:30PM–5:00PM AMS - PME Undergraduate Student Poster Session, II **Hall 4B, Level Four, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 3:30PM–5:00PM SLMath (MSRI) Panel: ADJOINT: The First Five Years **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**
- 3:30PM–5:30PM SIAM Minisymposium on Reduced Order Models for Convection-Dominated Flows: Modeling, Analysis, and Simulation, II **2B, Level Two, Seattle Convention Center Arch at 705 Pike**
- COMAP (CONSORTIUM FOR MATHEMATICS AND ITS APPLICATIONS)**
- 4:00PM–5:00PM COMAP Workshop: Become a COMAP MCM/ICM Judge: Who, What, When, Where, & Why **Ravenna A, Third Floor, Sheraton Grand Seattle**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 4:00PM–5:15PM MAA Project NEXt: Beyond Lectures: Active Learning Implementation in Mathematics Courses **609, Level Six, Seattle Convention Center Arch at 705 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 4:00PM–5:30PM AWM Workshop Poster Presentations **Grand Ballroom Pre-Function Area, Second Floor, Sheraton Grand Seattle**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 4:30PM–5:30PM AMS DC-Based Policy & Communications Opportunities **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- 5:00PM–6:30PM Association for Women in Mathematics Reception and Award Presentation **Grand Ballroom D, Second Floor, Sheraton Grand Seattle**
- 5:30PM–7:30PM Texas A & M University Department of Mathematics Reception **University, Fourth Floor, Sheraton Grand Seattle**
- 5:30PM–7:30PM UIUC Mathematics Reception **Ballard, Third Floor, Sheraton Grand Seattle**
- INVITED ADDRESSES**
- 5:45PM–6:45PM POMSIGMAA Guest Lecture - Thomas Drucker, University of Wisconsin-Whitewater **609, Level Six, Seattle Convention Center Arch at 705 Pike**
- 6:00PM–7:00PM Joint Reception for Mathematical Reviews and the AMS Book and Journal Programs **Willow, Second Floor, Sheraton Grand Seattle**
- OTHER ORGANIZATIONS**
- 6:00PM–7:00PM Mathematically Bent Theater **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- 6:00PM–7:30PM ICERM Mixer **Jefferson, Fourth Floor, Sheraton Grand Seattle**
- 6:00PM–7:30PM SLMath (MSRI) Reception for Current and Future Donors **Issaquah, Third Floor, Sheraton Grand Seattle**

- 6:00PM–8:00PM Undergraduate Student Reception **Metropolitan Ballroom, Third Floor, Sheraton Grand Seattle**
- 6:00PM–9:00PM NAM Cox-Talbot Lecture and Banquet **Grand Ballroom C, Second Floor, Sheraton Grand Seattle**
- INVITED ADDRESSES**
- 7:45PM–8:45PM NAM Cox-Talbot Lecture - Omayra Ortega, Sonoma State University **Grand Ballroom C, Second Floor, Sheraton Grand Seattle**
- 8:00PM–10:00PM Canada/USA Mathcamp Alumni and Friends Gathering **Redwood A, Second Floor, Sheraton Grand Seattle**
- 8:00PM–10:00PM MAA Reception: **Grand Ballroom D, Second Floor, Sheraton Grand Seattle**
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Saturday, January 11

- 7:30AM–9:00AM UMN Friends & Prospective Student Breakfast **Aspen, Second Floor, Sheraton Grand Seattle**
- JMM (JOINT MATHEMATICS MEETING)**
- 7:30AM–12:00PM Joint Meetings Registration **Atrium Lobby, Level Four, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 8:00AM–10:00AM SIGMAA Special Session on Undergraduate Research Activities in Mathematical and Computational Biology, II **610, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:00AM–11:30AM AMS Special Session on Current Directions on Modular Forms: in Twenty Minutes Snippets, II **606, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–11:30AM AMS Special Session on Ecological and Evolutionary Models in Biology and Epidemiology, I **Skagit 5, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–11:30AM AMS Special Session on Using 3D-Printed and Other Digitally-Fabricated Objects in the Mathematics Classroom, I **Chelan 4, Level 2, Seattle Convention Center Arch at 800 Pike**
- CRM-PIMS-AARMS (CENTRE DE RECHERCHES MATHEMATICQUES/PACIFIC INSTITUTE FOR THE MATHEMATICAL SCIENCES/ATLANTIC ASSOCIATION FOR RESEARCH IN MATHEMATICAL SCIENCES)**
- 8:00AM–11:30AM CRM-PIMS-AARMS Special Session on Optimal Transport - Theory and Applications, II **615, Level Six, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 8:00AM–11:30AM SLMath (MSRI) Special Session on at the Intersection of Harmonic Analysis and Fractal Geometry, I **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- AIM (AMERICAN INSTITUTE OF MATHEMATICS)**
- 8:00AM–12:00PM AIM Special Session on Applications and Generalizations of Zero Forcing, I **3B, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AIM Special Session on Pedagogical Practices in Math Circles and Other Non-Traditional, Informal, and Recreational Math Spaces, I **3A, Level Three, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 8:00AM–12:00PM AMS Contributed Paper Session on Computer Science **308, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Contributed Paper Session on Functional Analysis and Operator Theory **306, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Contributed Paper Session on Professional Development and Wider Issues, I **302, Level Three, Seattle Convention Center Arch at 705 Pike**

- 8:00AM–12:00PM AMS Special Session on Applications of Algebraic Geometry, I **605, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Applied and Computational Commutative Algebra, I **607, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Approximate Models of Fluid Motion, I **310, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Artificial Intelligence Meets Computational Mathematics for Biological and Ecological Applications, I **213, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Combinatorial and Probabilistic Methods in Group Theory, I **Tahoma 2, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Combinatorics and Graph Theory in Honor of Dr. Peter Johnson, I **Tahoma 4, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Cryptography and Related Fields, I **Skagit 2, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Geometric and Topological Combinatorics, I **Tahoma 5, Level Three, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on Geometry and Machine Learning, I **613, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on History of Mathematics, II **608, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Homotopy Theory, II **617, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on L-functions, Automorphic Forms, and Their Applications, I **604, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Local-to-Global in Apollonian Circle Packings and Beyond, I **618, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Mathematical Quantum Chaos, III **612, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on New Directions in Harmonic Analysis, I **304, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Operators in Inverse Problems, Differential Equations, and Machine Learning, I **201, Level Two, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Quaternions, I **602, Level Six, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Recent Developments in PDEs and Related Areas, I **303, Level Three, Seattle Convention Center Arch at 705 Pike**
- 8:00AM–12:00PM AMS Special Session on Take the i Road: Welcoming Complex Numbers and Viewpoints Across the Undergraduate Curriculum, I **Chelan 2, Level 2, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS Special Session on The Convergence of AI, Math, and Statistics in Biomedical Research, I **Skagit 4, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS-ASA-SIAM Special Session on Mathematics of Deep Learning: A High-Dimensional Probability Perspective, I **Yakima 2, Level 1, Seattle Convention Center Arch at 800 Pike**
- 8:00AM–12:00PM AMS-MAA-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, III **Skagit 1, Lower Level, Seattle Convention Center Arch at 800 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 8:00AM–12:00PM AWM Workshop Special Session on Women in Operator Algebras, I **619, Level Six, Seattle Convention Center Arch at 705 Pike**

NSF (NATIONAL SCIENCE FOUNDATION)

8:00AM–12:00PM NSF Special Session on Outcomes and Innovations from NSF Undergraduate Education Programs in the Mathematical Sciences, III **603, Level Six, Seattle Convention Center Arch at 705 Pike**

SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)

8:00AM–12:00PM SIAM Minisymposium on Navigating the Future of Higher Education: The Role of AI in Teaching, Research, and Extension **2B, Level Two, Seattle Convention Center Arch at 705 Pike**

TPSE (TRANSFORMING POST-SECONDARY EDUCATION)

8:00AM–12:00PM TPSE Workshop: Teaching and Managing Large Undergraduate Mathematics Courses in a Changing World **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**

INVITED ADDRESSES

8:30AM–9:35AM NAM Claytor-Woodard Lecture - Tai-Danae Bradley, Sandbox AQ **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**

JMM (JOINT MATHEMATICS MEETING)

8:30AM–10:00AM JMM Panel on The Role of Technology in Linear Algebra Education **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**

ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)

8:30AM–11:00AM ILAS Special Session on Preserver Problems, I **211, Level Two, Seattle Convention Center Arch at 705 Pike**

AMS (AMERICAN MATHEMATICAL SOCIETY)

8:30AM–12:00PM AMS Contributed Paper Session on Statistics, I **307, Level Three, Seattle Convention Center Arch at 705 Pike**

8:30AM–12:00PM AMS Special Session on Categorical Generalizations of Conditionalization, I **Yakima 1, Level 1, Seattle Convention Center Arch at 800 Pike**

8:30AM–12:00PM AMS Special Session on Extremal and Probabilistic Combinatorics, I **Tahoma 3, Level Three, Seattle Convention Center Arch at 800 Pike**

8:30AM–12:00PM AMS Special Session on Financial Mathematics, I **205, Level Two, Seattle Convention Center Arch at 705 Pike**

8:30AM–12:00PM AMS Special Session on Generative AI for Improving Instructional Productivity, I **Chelan 5, Level 2, Seattle Convention Center Arch at 800 Pike**

AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)

8:30AM–12:00PM AWM Workshop Special Session on Women in Groups, Geometry, and Dynamics, I **4C-1, Level Four, Seattle Convention Center Arch at 705 Pike**

INVITED ADDRESSES

9:00AM–10:00AM ASL Invited Address - Daniel Turetsky, Victoria University of Wellington **2A, Level Two, Seattle Convention Center Arch at 705 Pike**

JMM (JOINT MATHEMATICS MEETING)

9:00AM–11:00AM CANCELLED Professional Enhancement Program (PEP) 3B: Mentoring for Equity: Accounting for Identity and Culture in Our Most Important of Relationships **Willow A, Second Floor, Sheraton Grand Seattle**

AMS (AMERICAN MATHEMATICAL SOCIETY)

9:00AM–12:00PM AMS Contributed Paper Session on Topics in Analysis **309, Level Three, Seattle Convention Center Arch at 705 Pike**

9:00AM–12:00PM AMS Special Session on Concordance and Cobordism in Low Dimensions, I **620, Level Six, Seattle Convention Center Arch at 705 Pike**

- 9:00AM–12:00PM AMS Special Session on Control Theory and Artificial Intelligence, I **210, Level Two, Seattle Convention Center Arch at 705 Pike**
- 9:00AM–12:00PM AMS Special Session on Function Spaces and Their Applications, I **203, Level Two, Seattle Convention Center Arch at 705 Pike**
- 9:00AM–12:00PM AMS Special Session on Nonlinear Algebraic Methods in Artificial Intelligence and Machine Learning, I **Skagit 3, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 9:00AM–12:00PM AMS Special Session on Vector Bundles and Quantization, I **614, Level Six, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 9:00AM–12:00PM Exhibits and Book Sales **Hall 4A, Level Four, Seattle Convention Center Arch at 705 Pike**
- ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)**
- 9:00AM–12:00PM ILAS Special Session on Randomness in Numerical Linear Algebra, I **204, Level Two, Seattle Convention Center Arch at 705 Pike**
- JRMF (JULIA ROBINSON MATHEMATICS FESTIVAL)**
- 9:00AM–12:00PM Julia Robinson Math Festival **Hall 4B, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 9:00AM–2:00PM JMM Networking Center - Skybridge **Hall 4D - Skybridge, Level Four, Seattle Convention Center Arch at 705 Pike**
- 9:00AM–2:00PM JMM Networking Center - Tahoma Foyer **Tahoma Foyer, Level Three, Seattle Convention Center Arch at 800 Pike**
- COMAP (CONSORTIUM FOR MATHEMATICS AND ITS APPLICATIONS)**
- 9:00AM–3:00PM COMAP Workshop on Modeling for Educators: Introducing All Students to Modeling **Tahoma 1, Level Three, Seattle Convention Center Arch at 800 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 9:30AM–11:30AM AMS Contributed Paper Session on Numerical Analysis, I **305, Level Three, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 9:40AM–10:45AM AMS Lecture on Education - Pamela Harris, University of Wisconsin-Milwaukee **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- 10:00AM–11:00AM ASL Invited Address - Jinhe Ye, University of Oxford **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- NAM (NATIONAL ASSOCIATION OF MATHEMATICIANS)**
- 10:00AM–11:00AM NAM Business Meeting **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 10:00AM–12:00PM Exhibitor Presentation Theater **Hall 4A, Level Four, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 10:30AM–12:00PM MAA Panel: Teaching and Learning Calculus in an AI World **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 10:50AM–11:55AM JPBM Communications Award Lecture - Eugenia Cheng, School of the Art Institute of Chicago **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**

- 11:30AM–1:00PM SLMath (MSRI) & NAM: Film World Premiere of George Csicsery's "Journeys of Black Mathematicians: Part 2" and Panel Discussion **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–2:00PM AMS Business Meeting **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 1:00PM–2:00PM ASL Invited Address - Theodore A. Slaman, University of California, Berkeley **2A, Level Two, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 1:00PM–2:30PM JMM Workshop on Reimagining Exams to Focus on Meaningful Learning and Disrupt the Dominant Grade-Focused Culture **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- TPSE (TRANSFORMING POST-SECONDARY EDUCATION)**
- 1:00PM–2:30PM TPSE Panel: Aligning Mathematics Options with Students' Aspirations in Grades 11-14 **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 1:00PM–3:00PM Professional Enhancement Program (PEP) 4B: Formalization in the Lean Theorem Prover **Willow A, Second Floor, Sheraton Grand Seattle**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–3:15PM AMS Contributed Paper Session on Numerical Analysis, II **305, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–3:30PM AMS Special Session on Nonlinear Algebraic Methods in Artificial Intelligence and Machine Learning, II **Skagit 3, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–3:45PM AMS Contributed Paper Session on Ordinary Differential Equations **302, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–4:00PM AMS Special Session on Financial Mathematics, II **205, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–4:00PM AMS Special Session on The Convergence of AI, Math, and Statistics in Biomedical Research, II **Skagit 4, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–4:00PM AMS Special Session on Using 3D-Printed and Other Digitally-Fabricated Objects in the Mathematics Classroom, II **Chelan 4, Level 2, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–4:15PM AMS Contributed Paper Session on Professional Development and Wider Issues, II **308, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–4:30PM AMS Contributed Paper Session on Statistics, II **307, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–4:30PM AMS Special Session on Generative AI for Improving Instructional Productivity, II **Chelan 5, Level 2, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–4:30PM AMS Special Session on Local-to-Global in Apollonian Circle Packings and Beyond, II **618, Level Six, Seattle Convention Center Arch at 705 Pike**
- ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)**
- 1:00PM–4:30PM ILAS Special Session on Innovative and Effective Ways to Teach Linear Algebra, II **603, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–4:30PM ILAS Special Session on Preserver Problems, II **211, Level Two, Seattle Convention Center Arch at 705 Pike**
- AIM (AMERICAN INSTITUTE OF MATHEMATICS)**
- 1:00PM–5:00PM AIM Special Session on Applications and Generalizations of Zero Forcing, II **3B, Level Three, Seattle Convention Center Arch at 705 Pike**

- 1:00PM–5:00PM AIM Special Session on Pedagogical Practices in Math Circles and Other Non-Traditional, Informal, and Recreational Math Spaces, II **3A, Level Three, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:00PM–5:00PM AMS Special Session on History of Mathematics, III **608, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:00PM AMS Special Session on Homotopy Theory, III **617, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:15PM AMS Contributed Paper Session on Operations Research, Game Theory, Economics, Information and Control **306, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–5:30PM AMS Special Session on Ecological and Evolutionary Models in Biology and Epidemiology, II **Skagit 5, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–5:30PM AMS Special Session on Operators in Inverse Problems, Differential Equations, and Machine Learning, II **201, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Applications of Algebraic Geometry, II **605, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Approximate Models of Fluid Motion, II **310, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Combinatorial and Probabilistic Methods in Group Theory, II **Tahoma 2, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Combinatorics and Graph Theory in Honor of Dr. Peter Johnson, II **Tahoma 4, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Concordance and Cobordism in Low Dimensions, II **620, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Cryptography and Related Fields, II **Skagit 2, Lower Level, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Current Directions on Modular Forms: in Twenty Minutes Snippets, III **606, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Emerging Geometric and Topological Machine Learning Methods in Mathematical and Computational Oncology, I **612, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Geometric and Topological Combinatorics, II **Tahoma 5, Level Three, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS Special Session on Geometry and Machine Learning, II **613, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on L-functions, Automorphic Forms, and Their Applications, II **604, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Mathematics and Sports, I **213, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on New Directions in Harmonic Analysis, II **304, Level Three, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Quaternions, II **602, Level Six, Seattle Convention Center Arch at 705 Pike**
- 1:00PM–6:00PM AMS Special Session on Take the i Road: Welcoming Complex Numbers and Viewpoints Across the Undergraduate Curriculum, II **Chelan 2, Level 2, Seattle Convention Center Arch at 800 Pike**
- 1:00PM–6:00PM AMS-MAA-SIAM Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs, IV **Skagit 1, Lower Level, Seattle Convention Center Arch at 800 Pike**
- SIAM (SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS)**

- 1:00PM–6:00PM SIAM Minisymposium on Geometric Mechanics Formulations and Structure-Preserving Discretizations for Models of Physical Systems **2B, Level Two, Seattle Convention Center Arch at 705 Pike**
- MAA (MATHEMATICAL ASSOCIATION OF AMERICA)**
- 1:00PM–6:00PM SIGMAA Special Session on Research in Undergraduate Mathematics Education, II **610, Level Six, Seattle Convention Center Arch at 705 Pike**
- SLMATH (MSRI/SIMONS LAUFER MATHEMATICAL SCIENCES INSTITUTE)**
- 1:00PM–6:00PM SLMath (MSRI) Special Session on at the Intersection of Harmonic Analysis and Fractal Geometry, II **611, Level Six, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:30PM–4:00PM AMS Special Session on Function Spaces and Their Applications, II **203, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:30PM–4:30PM AMS Special Session on Applied and Computational Commutative Algebra, II **607, Level Six, Seattle Convention Center Arch at 705 Pike**
- ILAS (INTERNATIONAL LINEAR ALGEBRA SOCIETY)**
- 1:30PM–4:30PM ILAS Special Session on Randomness in Numerical Linear Algebra, II **204, Level Two, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 1:30PM–5:30PM AMS Special Session on Categorical Generalizations of Conditionalization, II **Yakima 1, Level 1, Seattle Convention Center Arch at 800 Pike**
- 1:30PM–5:30PM AMS Special Session on Control Theory and Artificial Intelligence, II **210, Level Two, Seattle Convention Center Arch at 705 Pike**
- 1:30PM–5:30PM AMS Special Session on Extremal and Probabilistic Combinatorics, II **Tahoma 3, Level Three, Seattle Convention Center Arch at 800 Pike**
- AWM (ASSOCIATION FOR WOMEN IN MATHEMATICS)**
- 1:30PM–5:30PM AWM Workshop Special Session on Women in Groups, Geometry, and Dynamics, II **4C-1, Level Four, Seattle Convention Center Arch at 705 Pike**
- 1:30PM–6:00PM AWM Workshop Special Session on Women in Operator Algebras, II **619, Level Six, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 2:00PM–3:30PM JMM Panel on Fields of Success: Math Alliance Scholars Tell their Stories from Undergraduate to Graduate and Beyond. **4C-3, Level Four, Seattle Convention Center Arch at 705 Pike**
- AMS (AMERICAN MATHEMATICAL SOCIETY)**
- 2:00PM–5:00PM AMS Special Session on Vector Bundles and Quantization, II **614, Level Six, Seattle Convention Center Arch at 705 Pike**
- 2:00PM–6:00PM AMS Special Session on Recent Developments in PDEs and Related Areas, II **303, Level Three, Seattle Convention Center Arch at 705 Pike**
- INVITED ADDRESSES**
- 2:15PM–3:20PM AMS-MAA-SIAM Gerald and Judith Porter Public Lecture - Ravi Vakil, Stanford University **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**
- JMM (JOINT MATHEMATICS MEETING)**
- 3:00PM–4:30PM JMM Workshop: High School Mathematics Reimagined **4C-2, Level Four, Seattle Convention Center Arch at 705 Pike**
- TPSE (TRANSFORMING POST-SECONDARY EDUCATION)**

3:00PM–4:30PM TPSE Panel: Tools for Supporting Conversations About Teaching **4C-4, Level Four, Seattle Convention Center Arch at 705 Pike**

INVITED ADDRESSES

3:20PM–4:25PM AMS Invited Address - Semyon Dyatlov, MIT **Ballroom 6E, Level Six, Seattle Convention Center Arch at 705 Pike**