SIAM Student Days at AN24

Student Days is an event for students and about students. This year's event includes activities and sessions where students can meet peers and professionals in their field, attend social events, share their research, network with SIAM Student Chapter members from around the world, and lots more.

Sunday, 7 July 2024		
5:00-6:00 p.m.	Student Days Orientation	Conference Theatre
6:00-8:00 p.m.	Welcome Reception	Riverside Lawn
Monday, 8 July 2024		
8:00-10:00 a.m.	Student Research with Industry – PIC Math Program Presentations Part I of II	207
10:15 a.m. - 11:15 a.m.	IP1 Hearing the Will of the People in the Vote: Computational Challenges in Redistricting Jonathan C. Mattingly, Duke University, U.S.	Hall C
11:15 a.m. - 12:00 p.m.	JP1 Joint Plenary with the SIAM Conference on Discrete Mathematics (DM24): New Frontiers in Structure Vs Randomness with Applications to Combinatorics, Complexity, Algorithms Raghu Meka, University of California, Los Angeles, U.S.	Hall C
12:00 - 12:30 p.m.	SP1 W. T. and Idalia Reid Prize Lecture: 100 Years of Traffic Models: From Road Tolls to Autonomy Benedetto Piccoli, Rutgers University, U.S.	Hall C
2:00 - 2:45 p.m.	IP2 Title TBA Maryam Fazel, University of Washington, U.S.	Hall C
2:45 - 3:30 p.m.	IP3 Gradient Flows, Non-smooth Kernels and Generative Models for Posterior Sampling in Inverse Problems Gabriele Steidl, Technische Universität Berlin, Germany	Hall C
4:00-6:00 p.m.	Education Committee Panel Discussion: Industrial Needs for Preparing Students	Hall C
4:00-6:00 p.m.	Student Research with Industry – PIC Math Program Presentations Part II of II	207
4:00-6:00 p.m.	PD1 Education Committee Panel Discussion: Industrial Needs for Preparing Students	Hall C
4:00-6:00 p.m.	MS11 SIAM Education Committee Minitutorials Part I of II	401A
6:15-6:45 p.m.	Industry Lightning Symposium	Hall C
6:45-7:45 p.m.	Industry Career Panel	Hall C
7:45-9:00 p.m.	Graduate Student Reception and Industry Reception	Riverside Lawn

Tuesday, 9 July 2024		
7:00-8:15 a.m.	Student Chapter Breakfast with Leadership (by invitation only)	Cedar Ballroom, Davenport Grand
8:30 - 10:00 a.m.	MS17 Workshop Celebrating Diversity: Advances in Methods Development for Computational Physics	300C
11:00 - 11:45 a.m.	JP2 Joint Plenary with the SIAM Conference on Applied Mathematics Education (ED24): Signals of a Critical Transition in Inclusive Stem Education Carrie Diaz Eaton, Bates College, U.S.	Hall C
11:45 a.m. - 12:30 p.m.	IP4 Formulating Effective Models, Methods, and Conceptual Frameworks for the Geosciences Juan M. Restrepo, Oak Ridge National Laboratory, U.S.	Hall C
2:30 - 3:30 p.m.	SP2 The John von Neumann Lecture: Exploring the Mysteries of Deep Neural Network Optimization Jorge Nocedal, Northwestern University, U.S.	Hall C
4:00 - 6:00 p.m.	MS30 SIAM-Simons Undergraduate Summer Research Program	207
4:00-6:00 p.m.	MS11 SIAM Education Committee Minitutorials Part II of II	402A
4:00 - 6:00 p.m.	MS31 Workshop Celebrating Diversity Minisymposium: Quantitative Justice through Applied Data Science	300C
6:15 PM - 7:15 p.m.	SIAM Business Meeting	Hall C
7:45-8:45 p.m.	Fellows Recognition & Reception	Roof Deck
8:00-10:00 p.m.	Poster Session & Dessert Reception	Hall C
Wednesday, 10 July 2024		
8:15 - 10:15 a.m.	MS40 Workshop Celebrating Diversity: Mathematical Modeling and Dynamics of Biological Systems	300C
10:45 - 11:30 a.m.	SP3 AWM-SIAM Sonia Kovalevsky Lecture: Mathematics for Bioartificial Organ Design Suncica Canic, University of California, Berkeley, U.S.	Hall C
11:45 a.m. - 12:30 p.m.	SP4 Past President's Address: Finite Element Methods for Least-Squares Problems Susanne Brenner, Louisiana State University, U.S.	Hall C
2:00 - 2:45 p.m.	IP5 Data-Driven Modeling of Nonlinear Dynamical Systems via Spectral Submanifolds George Haller, ETH Zurich, Switzerland	Hall C

2:45 - 3:30 p.m.	IP7 McKean-Vlasov models for prediction, inference and control Sebastian Reich, Universität Potsdam, Germany	Hall C
4:00 - 6:00 p.m.	MS49 Workshop Celebrating Diversity: The Importance of Mathematical Modeling and Simulation for Time Dependent Problems	300C
6:15-7:15 p.m.	Block Community Lecture: Go Boldly Where No Math Has Gone Before	Hall C
7:15-8:45 p.m.	Community Reception	Riverside Lawn
Thursday, 11 July 2024		
8:30 - 10:30 a.m.	MS60 Equity, Diversity, and Inclusion in the Mathematical and Computational Sciences	206
11:00 - 11:45 a.m.	SP6 Theodore von Kármán Prize Lecture: From Reduced-Order Modeling to Scientific Machine Learning Karen E. Willcox, University of Texas at Austin, U.S.	Hall C
11:45 a.m. - 12:30 p.m.	IP8 Applied Mathematics, Clouds and Storm Dynamics Leslie Smith, University of Wisconsin-Madison, U.S.	Hall C
2:00 - 2:45 p.m.	IP9 Critical Transitions in Complex Systems: Theory and Applications to Climate and Ecosystem Dynamics Ulrike Feudel, Carl von Ossietzky Universität Oldenburg, Germany	Hall C
2:45 - 3:30 p.m.	JP3 AN24/AMS Joint Plenary: Hydrodynamic Quantum Analogs John W. Bush, Massachusetts Institute of Technology, U.S.	Hall C
4:00 - 6:00 p.m.	Screening of *Journeys of Black Mathematicians: Forging Resilience*	Conference Theatre
7:15-9:15 p.m.	Professional Development Evening	TBD
Friday, 12 July 2024		
11:00 a.m. - 12:00 p.m.	IP10 Sampling and Generative Modeling Using Dynamical Representations of Transport Youssef M. Marzouk, Massachusetts Institute of Technology, U.S.	Hall C
12:00 - 12:45 p.m.	IP11 Learning the solution operators of forward and inverse problems for PDEs Siddhartha Mishra, ETH Zurich, Switzerland	Hall C
2:00-4:00 p.m.	CP24 SIAM Student Paper Prize Presentations	Hall C