

At-a-Glance Schedule



International Conference on Data Mining

May 1–3, 2025 • The Westin Alexandria Old Town Hotel | Alexandria, Virginia, U.S.

Online Program and Mobile App

Attendees are encouraged to view the Online Program Schedule:

<https://www.siam.org/conferences-events/siam-conferences/sdm25/program/program-abstracts/>

The Mobile App and Online Program Schedule contain the most up-to-date information.

A searchable abstract document is also posted.

SIAM Events Mobile App



www.tripbuildermedia.com/apps/siam



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Wednesday, April 30**Thursday, May 1****Friday, May 2**

***Workshops follow their own posted schedule.
BOTH workshop and tutorial participants are
strongly encouraged to consult the workshop and
tutorial websites for session details.***

4:00 p.m. – 6:00 p.m.

Registration
Hopkins Foyer

Thursday, May 1

7:00 a.m. – 4:30 p.m.

Registration
Hopkins Foyer

7:30 a.m. – 8:00 a.m.

Continental Breakfast
Edison Pre Function

8:00 a.m. – 8:20 a.m.

Welcome Remarks & Best Paper Award
Announcement
Edison D

8:20 a.m. – 9:30 a.m.

IP1 Title TBD
Michael Lederman Littman, National Science
Foundation, U.S.
Edison D

9:30 a.m. – 10:00 a.m.

Coffee Break
Edison Pre Function

10:00 a.m. – 12:00 p.m.

Concurrent Sessions
MT1 Sharing is Caring: A Practical Guide to
Fair(er) Release of Open Scientific Data
Edison A
CP1 Embeddings and Features
Edison D
CP2 Anomaly Detection
Edison B
CP3 Learning Under Uncertainty
Wright

10:00 a.m. – 3:30 p.m.

Concurrent Sessions
WS1 AI for Time Series Analysis: Theory,
Algorithms, and Applications
Bell
WS2 The Second Workshop on Metacognitive
Prediction of AI Behavior
Edison C

12:00 p.m. – 1:30 p.m.

Lunch Break

1:30 p.m. – 3:30 p.m.

Concurrent Sessions
MT2 Supervised Algorithmic Fairness in
Distribution Shifts
Wright
MT3 Integrating Textual and Graph Data:
Advancing Knowledge Discovery with Semantic
and Structural Insights
Edison A
CP4 Graph Models and Algorithms
Edison D
CP5 Recommender Systems
Edison B

3:30 p.m. – 4:00 p.m.

Coffee Break
Edison Pre Function

4:00 p.m. – 5:00 p.m.

PD AI for Science
Edison D

5:00 p.m. – 6:00 p.m.

Dinner Break

6:00 p.m. – 7:00 p.m.

Welcome Reception and Poster Session I
(CP1-CP12)
Edison EFG

Friday, May 2

7:30 a.m. – 4:30 p.m.

Registration
Hopkins Foyer

7:30 a.m. – 8:00 a.m.

Continental Breakfast
Edison Pre Function

8:00 a.m. – 8:20 a.m.

Remarks & IBM Award
Edison D

8:20 a.m. – 9:30 a.m.

IP2 Thinking Outside the Ballot Box
Ariel Procaccia, Harvard University, U.S.
Edison D

9:30 a.m. – 10:00 a.m.

Coffee Break
Edison Pre Function

10:00 a.m. – 12:00 p.m.

Concurrent Sessions
MT4 Federated Graph Learning: Recent Advances
and Future Directions
Edison A
MT5 Causal Discovery in a non-Ideal World
Edison C
CP6 Clustering
Edison D
CP7 Applications
Edison B
CP8 Blue Sky 1: Advancing AI and Machine
Learning
Wright

10:00 a.m. – 3:30 p.m.

WS3 3rd Data Science for Smart Manufacturing and
Healthcare Workshop
Bell

12:00 p.m. – 1:30 p.m.

Lunch Break

1:30 p.m. – 2:45 p.m.

IP3 Title TBD
Bryan Perozzi, Stony Brook University, U.S.
Edison D

2:45 p.m. – 3:15 p.m.

Coffee Break
Edison Pre Function

3:15 p.m. – 5:15 p.m.

Concurrent Sessions
MT6 Systems for Scalable Graph Analytics and
Machine Learning: Trends and Methods
Edison A
MT7 Symbolic Regression: Towards Interpretability
and Automated Scientific Discovery
Edison C
CP9 Learning on Graphs
Edison D
CP10 Large Language Models
Edison B
CP11 Blue Sky 2: AI for Scientific and Societal
Impact
Wright

5:15 p.m. – 6:00 p.m.

Early Career Event
Edison D

6:00 p.m. – 8:00 p.m.

Poster Session II
(CP13-20 & Doctoral Forum)
Edison EFG

Saturday, May 3

7:30 a.m. – 3:00 p.m.
Registration <i>Hopkins Foyer</i>
7:30 a.m. – 8:00 a.m.
Continental Breakfast <i>Edison Pre Function</i>
8:00 a.m. – 10:00 a.m.
Concurrent Sessions
MT8 Empowering Retrieval-augmented Generation with Graph-structured Knowledge <i>Edison A</i>
MT9 Exploitation and Mitigation: Understanding Large-Scale Machine Learning Robustness under Paradigm Shift <i>Edison C</i>
CP12 Machine Learning for Healthcare <i>Edison D</i>
CP13 Data Intergration and Fusion <i>Edison B</i>
CP14 Time-Series Analysis and Forecasting <i>Wright</i>
8:00 a.m. – 3:30 p.m.
WS4 The 2nd Workshop on Advances in Robust and Reliable Machine Learning (ARRML'25) <i>Bell</i>
10:00 a.m. – 10:30 a.m.
Coffee Break <i>Edison Pre Function</i>
10:30 a.m. – 10:45 a.m.
Closing Remarks & Doctoral Forum Best Poster Award <i>Edison D</i>
10:45 a.m. – 12:00 p.m.
IP4 Title TBD Johan Ugander, Stanford University, U.S. <i>Edison D</i>
12:00 p.m. – 1:30 p.m.
Lunch Break
1:30 p.m. – 3:30 p.m.
Concurrent Sessions
MT10 Mining Temporal Graphs: Algorithms and Applications <i>Edison A</i>
MT11 Unifying Spectral and Spatial Graph Neural Networks <i>Edison C</i>
CP15 Graph Neural Networks <i>Edison D</i>
CP16 Learning and Optimization <i>Edison B</i>

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Abbreviation Key

CP = Contributed Presentation Session

IP = Invited Plenary Speaker

MS = Minisymposium

MT = Tutorial

PD = Panel Discussion

PP = Poster Session

The Westin Alexandria Old Town Floor Plan

