

# At-a-Glance Schedule



## International Conference on Data Mining

April 18–20, 2024 • Westin Houston, Memorial City | Houston, Texas, U.S.

### Online Program and Mobile App

Attendees are encouraged to visit

<https://www.siam.org/conferences/cm/program/program-and-abstracts/sdm24-program-abstracts>  
to view the Online Program Schedule.

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



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**Wednesday, April 17****Thursday, April 18****Friday, April 19**

*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

*Wisteria Pre Function*

**Thursday, April 18**

**7:00 a.m. – 4:30 p.m.**

Registration

*Wisteria Pre Function*

**7:30 a.m. – 8:15 a.m.**

Continental Breakfast

*Wisteria Pre Function*

**8:00 a.m. – 8:15 a.m.**

Welcome Remarks & Best Paper Award

Announcement

*Wisteria 1 & 2*

**8:15 a.m. – 9:30 a.m.**

**IP1** The Critical Role of Cyber Infrastructure in City Innovation and Beyond  
Zhenhui (Jessie) Li, Pennsylvania State University, U.S.

*Wisteria 1 & 2*

**9:30 a.m. – 10:00 a.m.**

Coffee Break

*Wisteria Pre Function*

**10:00 a.m. – 12:00 p.m.**

**Concurrent Sessions**

**MT1** Discovering High-Ordered Semantic Structures in Massive Time Series: Algorithms and Applications

*Hibiscus 3*

**CP1** Graph Neural Network I

*Wisteria 1 & 2*

**CP2** Explanability

*Hibiscus 1*

**CP3** Classification

*Hibiscus 2*

**10:00 a.m. – 6:00 p.m.**

**Concurrent Sessions**

**WS1** Data Science for Smart Manufacturing and Healthcare

*Mesquite*

**WS2** AI4TS: AI for Time Series Analysis: Theory, Algorithm, and Applications

*Sunflower*

**12:00 p.m. – 1:30 p.m.**

Lunch Break

**1:30 p.m. – 3:30 p.m.**

**Concurrent Sessions**

**MT2** Intelligent Seismic Data Processing: A Data Science Perspective

*Hibiscus 3*

**CP4** Graph Neural Network II

*Wisteria 1 & 2*

**CP5** Time Series Analysis I

*Hibiscus 1*

**CP6** Optimization

*Hibiscus 2*

**3:30 p.m. – 4:00 p.m.**

Coffee Break

*Wisteria Pre Function*

**4:00 p.m. – 5:00 p.m.**

**PD1** Shaping Tomorrow: Perspectives on Human-Centered AI and Data Science

*Wisteria 1 & 2*

**5:00 p.m. – 6:00 p.m.**

Dinner Break

**6:00 p.m. – 8:00 p.m.**

Welcome Reception and Poster Session I (CP1-CP11 & Blue Sky Sessions)

*Wisteria 3 & 4*

**Friday, April 19**

**7:00 a.m. – 4:30 p.m.**

Registration

*Wisteria Pre Function*

**7:30 a.m. – 8:15 a.m.**

Continental Breakfast

*Wisteria Pre Function*

**8:00 a.m. – 8:15 a.m.**

Welcome Remarks

*Wisteria 1 & 2*

**8:15 a.m. – 9:30 a.m.**

**IP2** Explainable Machine Learning for Robust Data Analysis

Aidong Zhang, University of Virginia, U.S.

*Wisteria 1 & 2*

**9:30 a.m. – 10:00 a.m.**

Coffee Break

*Wisteria Pre Function*

**10:00 a.m. – 12:00 p.m.**

**Concurrent Sessions**

**MT3** Trustworthy Anomaly Detection

*Hibiscus 3*

**MT4** Modeling Data Heterogeneity for Out-of-Distribution Generalization

*Mesquite*

**CP7** Social Networks/Graphs

*Wisteria 1 & 2*

**CP8** Time Series Analysis II

*Hibiscus 1*

**CP9** Applications I

*Hibiscus 2*

**CP10** Blue Sky Presentations

*Sunflower*

**12:00 p.m. – 1:30 p.m.**

Lunch Break

**1:30 p.m. – 2:45 p.m.**

**IP3** Well-being, AI, and You: Developing AI-based Technology to Enhance our Well-being  
Alon Halevy, Amazon Web Services, U.S.

*Wisteria 1 & 2*

**2:45 p.m. – 3:15 p.m.**

Coffee Break

*Wisteria Pre Function*

**3:15 p.m. – 5:15 p.m.**

**Concurrent Sessions**

**MT5** Heterogeneity in Federated Learning

*Hibiscus 3*

**MT6** Data Quality-Aware Graph Machine Learning

*Mesquite*

**CP11** Text, Web & Social Media

*Wisteria 1 & 2*

**CP12** Spatial Temporal Data I

*Hibiscus 1*

**CP13** Applications II

*Hibiscus 2*

**5:15 p.m. – 6:00 p.m.**

Networking & Early Career Mentoring

*Wisteria 1 & 2*

**6:00 p.m. – 8:00 p.m.**

Poster Session II (CP12-CP21 & Doctoral Forum)

*Wisteria 3 & 4*

## Saturday, April 20

7:15 a.m. – 3:00 p.m.

Registration

*Wisteria Pre Function*

7:30 a.m. – 8:15 a.m.

Continental Breakfast

*Wisteria Pre Function*

8:00 a.m. – 10:00 a.m.

### Concurrent Sessions

**MT7** From Feature Selection to Instance-wise  
Feature Acquisition

*Mesquite*

**MT8** Large-Scale Graph Neural Networks:  
Navigating the Past and Pioneering New Horizons

*Sunflower*

**CP14** Recommender Systems I

*Wisteria 1 & 2*

**CP15** Spatial Temporal Data II

*Hibiscus 1*

**CP16** Anomaly Detection

*Hibiscus 2*

**CP17** Deep Learning

*Hibiscus 3*

10:00 a.m. – 10:30 a.m.

Coffee Break

*Wisteria Pre Function*

10:30 a.m. – 10:45 a.m.

Closing Remarks & Poster Award Announcements

*Wisteria 1 & 2*

10:45 a.m. – 12:00 p.m.

**IP4** AI for Biodiversity: Combatting Extinction  
Together

Tanya Y. Berger-Wolf, The Ohio State University,  
U.S.

*Wisteria 1 & 2*

12:00 p.m. – 1:30 p.m.

Lunch Break

1:30 p.m. – 3:30 p.m.

### Concurrent Sessions

**CP18** Recommender Systems II

*Wisteria 1 & 2*

**CP19** Casual Interference

*Hibiscus 1*

**CP20** Federated Learning

*Hibiscus 2*

**CP21** Reinforcement Learning and Representation  
Learning

*Hibiscus 3*

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### ABBREVIATION KEY

**CP** = Contributed Presentation Session

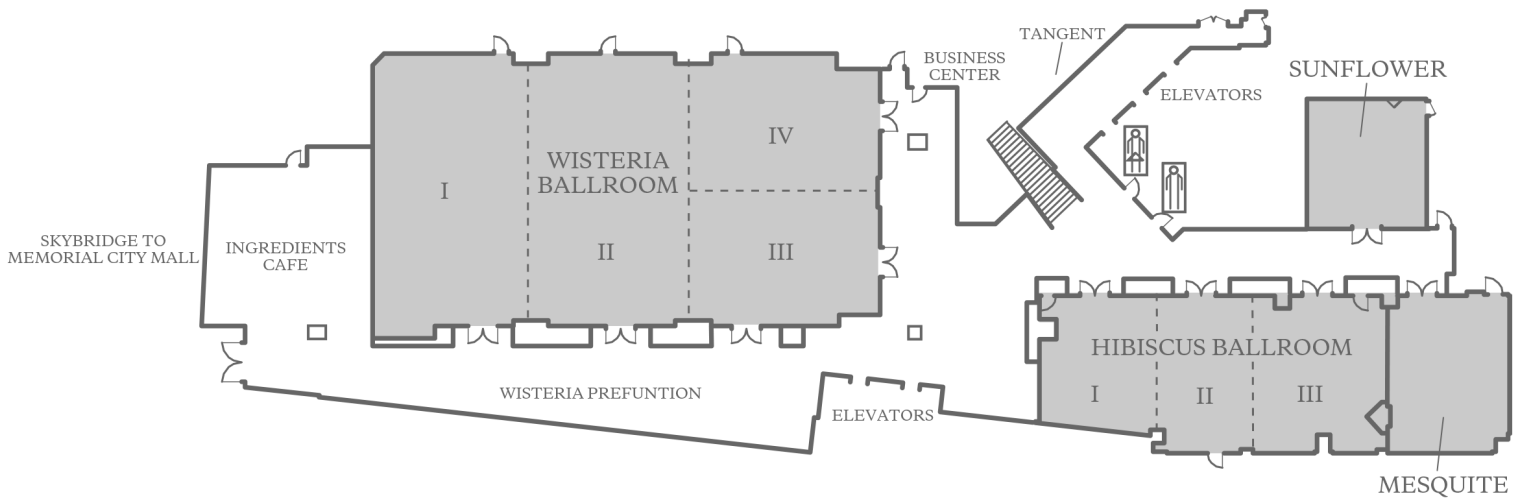
**IP** = Invited Plenary Speaker

**MT** = Minitutorial

**PD** = Panel Discussion

**PP** = Poster Session

# Westin Houston, Memorial City Floor Plan



## Third Floor