

At-a-Glance Schedule



ACM-SIAM Symposium on Discrete Algorithms

January 12–15, 2025 • New Orleans, Louisiana, U.S.

Held jointly with:

SIAM Symposium on Algorithm Engineering and Experiments

January 12–13, 2025 • New Orleans, Louisiana, U.S.

SIAM Symposium on Simplicity in Algorithms

January 13–15, 2025 • New Orleans, Louisiana, U.S.

Online Program and Mobile App

Attendees are encouraged to view the Online Program Schedule:

<https://www.siam.org/conferences-events/siam-conferences/soda25/program/program-abstracts/>

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

A searchable abstract document is also posted.

SIAM Events Mobile App



www.tripbuildermedia.com/apps/siam

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Saturday, January 11**Sunday, January 12****Monday, January 13****5:00 p.m. – 8:00 p.m.**Registration
*Grand Gallery - 2nd Floor***6:00 p.m. – 8:00 p.m.**Welcome Reception
*Astor Ballroom - 2nd Floor***Sunday, January 12****8:00 a.m. – 5:00 p.m.**Registration
*Grand Gallery - 2nd Floor***8:30 a.m. – 9:00 a.m.**Continental Breakfast
*Grand Gallery - 2nd Floor***9:00 a.m. – 5:00 p.m.**Exhibitor Hours
*Grand Gallery - 2nd Floor***9:00 a.m. – 10:40 a.m.****CP1** ALENEX Session 1
*St. Charles - 1st Floor***9:00 a.m. – 11:05 a.m.****CP2** SODA Session 1A
*Grand Ballroom C/D - 2nd Floor***CP3** SODA Session 1B
*Toulouse - 2nd Floor Mezzanine***CP4** SODA Session 1C
*Grand Ballroom A - 2nd Floor***11:05 a.m. – 11:30 a.m.**Coffee Break
*Grand Gallery - 2nd Floor***11:30 a.m. – 12:30 p.m.****IP1** Fully Dynamic Matching, Matching Sparsifiers,
and (Ordered) Ruzsa-Szemerédi Graphs
Sanjeev Khanna, University of Pennsylvania, U.S.
*Grand Ballroom C/D - 2nd Floor***12:30 p.m. – 2:00 p.m.**Luncheon **ticketed event**
*Astor Ballroom - 2nd Floor***2:00 p.m. – 3:40 p.m.****CP5** ALENEX Session 2
*St. Charles - 1st Floor***2:00 p.m. – 4:05 p.m.****CP6** SODA Session 2A
Grand Ballroom C/D - 2nd Floor
CP7 SODA Session 2B
*Toulouse - 2nd Floor Mezzanine***CP8** SODA Session 2C*Grand Ballroom A - 2nd Floor***4:05 p.m. – 4:30 p.m.**Coffee Break
*Grand Gallery - 2nd Floor***4:30 p.m. – 6:10 p.m.****CP9** ALENEX Session 3
*St. Charles - 1st Floor***4:30 p.m. – 7:00 p.m.****CP10** SODA Session 3A
*Grand Ballroom C/D - 2nd Floor***CP11** SODA Session 3B
*Toulouse - 2nd Floor Mezzanine***CP12** SODA Session 3C
*Grand Ballroom A - 2nd Floor***6:15 p.m. – 7:00 p.m.**ALENEX Business Meeting
*St. Charles - 1st Floor***Monday, January 13****8:30 a.m. – 9:00 a.m.**Continental Breakfast
*Grand Gallery - 2nd Floor***8:30 a.m. – 5:00 p.m.**Registration
*Grand Gallery - 2nd Floor***9:00 a.m. – 5:00 p.m.**Exhibitor Hours
*Grand Gallery - 2nd Floor***9:00 a.m. – 11:05 a.m.****CP13** ALENEX Session 4
*St. Charles - 1st Floor***CP14** SODA Session 4A
*Grand Ballroom C/D - 2nd Floor***CP15** SODA Session 4B
*Toulouse - 2nd Floor Mezzanine***CP16** SODA Session 4C
*Grand Ballroom A - 2nd Floor***11:05 a.m. – 11:30 a.m.**Coffee Break
*Grand Gallery - 2nd Floor***11:30 a.m. – 12:45 p.m.****CP17** SODA Best Paper and Best Student Paper
Prize Session
*Grand Ballroom C/D - 2nd Floor***12:45 p.m. – 2:00 p.m.**Lunch Break
*Attendees on their own***2:00 p.m. – 4:05 p.m.****CP18** SODA Session 5A
*Grand Ballroom C/D - 2nd Floor***CP19** SODA Session 5B
*Toulouse - 2nd Floor Mezzanine***CP20** SODA Session 5C
*Grand Ballroom A - 2nd Floor***CP21** SOSA Session 1: Sublinear Algorithms
*St. Charles - 1st Floor***4:05 p.m. – 4:30 p.m.**Coffee Break
*Grand Gallery - 2nd Floor***4:30 p.m. – 6:35 p.m.****CP22** SODA Session 6A
*Grand Ballroom C/D - 2nd Floor***CP23** SODA Session 6B
*Toulouse - 2nd Floor Mezzanine***CP24** SODA Session 6C
*Grand Ballroom A - 2nd Floor***CP25** SOSA Session 2: Randomization
*St. Charles - 1st Floor***6:45 p.m. – 7:45 p.m.**SODA Business Meeting & Awards Presentation,
followed by SOSA Business Meeting
Complimentary beer and wine will be served
*Grand Ballroom C/D - 2nd Floor***Tuesday, January 14****8:30 a.m. – 9:00 a.m.**Continental Breakfast
*Grand Gallery - 2nd Floor***8:30 a.m. – 5:00 p.m.**Registration
*Grand Gallery - 2nd Floor***9:00 a.m. – 5:00 p.m.**Exhibitor Hours
*Grand Gallery - 2nd Floor***9:00 a.m. – 11:05 a.m.****CP26** SODA Session 7A
*Grand Ballroom C/D - 2nd Floor***CP27** SODA Session 7B
*Toulouse - 2nd Floor Mezzanine***CP28** SODA Session 7C
Grand Ballroom A - 2nd Floor

Tuesday, January 14**Wednesday, January 15****Wednesday, January 15**

CP29 SODA Session 3: Data Structures and Preprocessing
St. Charles - 1st Floor

11:05 a.m. – 11:30 a.m.

Coffee Break
Grand Gallery - 2nd Floor

11:30 a.m. – 12:30 p.m.

IP2 When and Why do Efficient Algorithms Exist (for Constraint Satisfaction and Beyond)?
Venkatesan Guruswami, University of California, Berkeley, U.S.
Grand Ballroom C/D - 2nd Floor

12:30 p.m. – 2:00 p.m.

Lunch Break
Attendees on their own

2:00 p.m. – 4:05 p.m.

CP30 SODA Session 8A
Grand Ballroom C/D - 2nd Floor

CP31 SODA Session 8B
Toulouse - 2nd Floor Mezzanine

CP32 SODA Session 8C
Grand Ballroom A - 2nd Floor

CP33 SOSA Session 4: Optimization, Parallel and Distributed Algorithms
St. Charles - 1st Floor

4:05 p.m. – 4:30 p.m.

Coffee Break
Grand Gallery - 2nd Floor

4:30 p.m. – 6:35 p.m.

CP34 SOSA Session 5: Approximation Algorithms for Graphs
St. Charles - 1st Floor

4:30 p.m. – 7:00 p.m.

CP35 SODA Session 9A
Grand Ballroom C/D - 2nd Floor
CP36 SODA Session 9B
Toulouse - 2nd Floor Mezzanine
CP37 SODA Session 9C
Grand Ballroom A - 2nd Floor

7:00 p.m. – 8:00 p.m.

Jane Street Estimathon
Early Registration was Required to Participate
Grand Ballroom C/D - 2nd Floor

8:30 a.m. – 9:00 a.m.

Continental Breakfast
Grand Gallery - 2nd Floor

8:30 a.m. – 5:00 p.m.

Registration
Grand Gallery - 2nd Floor

9:00 a.m. – 5:00 p.m.

Exhibitor Hours
Grand Gallery - 2nd Floor

9:00 a.m. – 11:05 a.m.

CP38 SODA Session 10A
Grand Ballroom C/D - 2nd Floor

CP39 SODA Session 10B
Toulouse - 2nd Floor Mezzanine

CP40 SODA Session 10C
Grand Ballroom A - 2nd Floor

CP41 SOSA Session 6: Graphs
St. Charles - 1st Floor

11:05 a.m. – 11:30 a.m.

Coffee Break
Grand Gallery - 2nd Floor

11:30 a.m. – 12:30 p.m.

IP3 Learning in Environments with Carryover Effects
Éva Tardos, Cornell University, U.S.
Grand Ballroom C/D - 2nd Floor

12:30 p.m. – 2:00 p.m.

Lunch Break
Attendees on their own

2:00 p.m. – 4:05 p.m.

CP42 SODA Session 11A
Grand Ballroom C/D - 2nd Floor
CP43 SODA Session 11B
Toulouse - 2nd Floor Mezzanine
CP44 SODA Session 11C
Grand Ballroom A - 2nd Floor
CP45 SOSA Session 7: Algebraic Techniques
St. Charles - 1st Floor

4:05 p.m. – 4:30 p.m.

Coffee Break
Grand Gallery - 2nd Floor

4:30 p.m. – 6:35 p.m.

CP46 SOSA Session 8: Geometry in Low and High Dimensions
St. Charles - 1st Floor

4:30 p.m. – 7:00 p.m.

CP47 SODA Session 12A
Grand Ballroom C/D - 2nd Floor

CP48 SODA Session 12B
Toulouse - 2nd Floor Mezzanine

CP49 SODA Session 12C
Grand Ballroom A - 2nd Floor

Abbreviation Key

CP = Paper Presentation Session

IP = Invited Plenary Speaker

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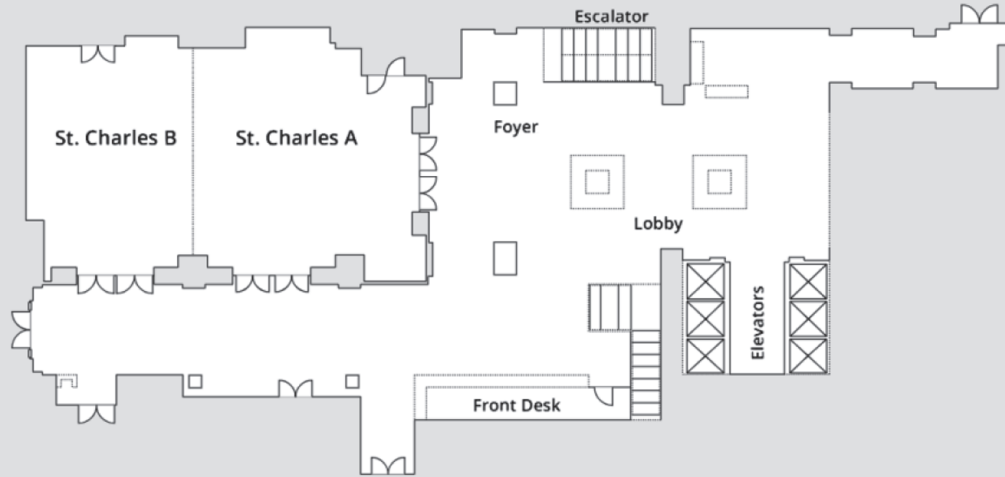
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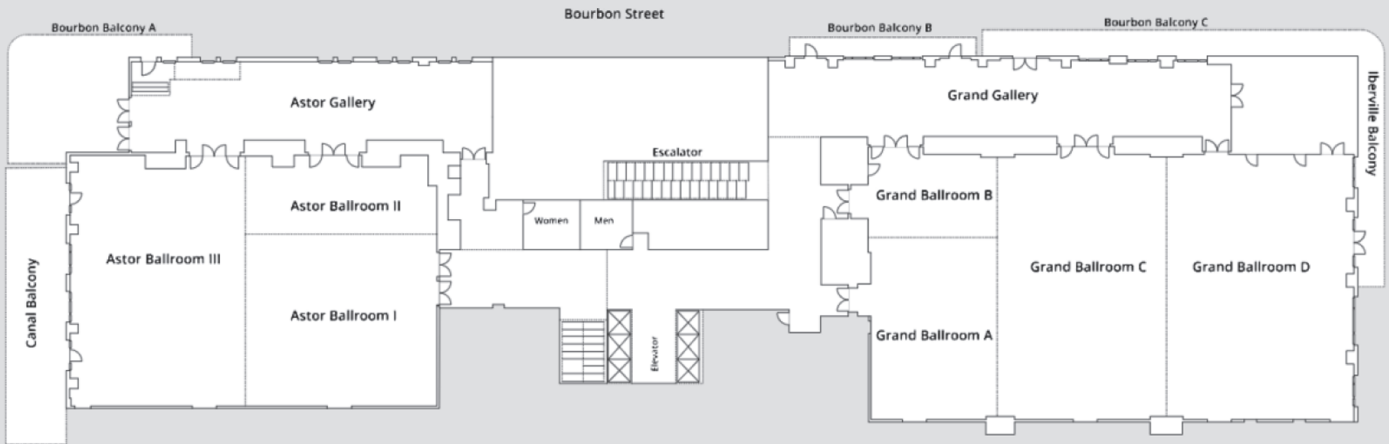
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The Astor Crowne Plaza New Orleans Floor Plan

First Floor Lobby Level



Second Floor



Second Floor Mezzanine

