



ACM-SIAM Symposium on Discrete Algorithms

January 22–25, 2023 • Florence, Italy

Symposium on Algorithm Engineering and Experiments

January 22–23, 2023 • Florence, Italy

Symposium on Simplicity in Algorithms

January 23–25, 2023 • Florence, Italy

Symposium on Algorithmic Principles of Computer Systems

January 25, 2023 • Florence, Italy

Online Program

Attendees are strongly encouraged to visit
https://meetings.siam.org/program.cfm?CONF_CODE=SODA23
to view the Online Program Schedule.

The Online Program Schedule contains the most up-to-date scheduling information.

siam | Society for Industrial and
Applied Mathematics

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Conference E-mail: meetings@siam.org • Conference Web: www.siam.org/meetings/

Membership and Customer Service: (800) 447-7426 (U.S. & Canada) or +1-215-382-9800 (worldwide)

<https://www.siam.org/conferences/cm/conference/soda23>

Saturday, January 21

5:30 p.m. – 7:00 p.m.

Registration
Hall

6:30 p.m. – 8:30 p.m.

Welcome Reception
Location to be announced

Sunday, January 22

8:00 a.m. – 6:30 p.m.

Registration
Hall

9:00 a.m. – 11:00 a.m.

Concurrent Sessions
CP1 SODA Session 1A
Continents
CP2 SODA Session 1B
Americas
CP3 SODA Session 1C
Pacific Indian

9:00 a.m. – 11:05 a.m.

CP4 ALENEX Session 1
Atlantic

11:00 a.m. – 11:30 a.m.

Coffee Break
Hall

11:30 a.m. – 12:30 p.m.

IP1 Games for Fair Allocation
 Uriel Feige, Weizmann Institute and Microsoft
 Research, Israel
Continents

12:30 p.m. – 2:00 p.m.

 Buffet Luncheon ****Badge Required****
 Location to be announced


2:00 p.m. – 4:00 p.m.

Concurrent Sessions
CP5 SODA Session 2A
Continents
CP6 SODA Session 2B
Americas
CP7 SODA Session 2C
Pacific Indian

2:00 p.m. – 4:05 p.m.

CP8 ALENEX Session 2
Atlantic

4:00 p.m. – 4:30 p.m.

Coffee Break
Hall

4:30 p.m. – 5:20 p.m.

CP9 ALENEX Session 3
Atlantic

Sunday, January 22

4:30 p.m. – 6:30 p.m.

Concurrent Sessions
CP10 SODA Session 3A
Continents
CP11 SODA Session 3B
Americas
CP12 SODA Session 3C
Pacific Indian

6:45 p.m. – 7:15 p.m.

 ALENEX Business Meeting
Continents


Monday, January 23

8:30 a.m. – 6:30 p.m.

Registration
Hall

9:00 a.m. – 11:00 a.m.

Concurrent Sessions
CP13 SODA Session 4A
Continents
CP14 SODA Session 4B
Americas
CP15 SODA Session 4C
Pacific Indian

9:00 a.m. – 11:05 a.m.

CP16 ALENEX Session 4
Atlantic

11:00 a.m. – 11:30 a.m.

Coffee Break
Hall

11:30 a.m. – 12:30 p.m.

IP2 New Approximation Algorithms for Graph
 Crossing Number
 Julia Chuzhoy, Toyota Technological Institute at
 Chicago, U.S.
Continents

12:30 p.m. – 2:00 p.m.

Lunch Break
Attendees on their own

2:00 p.m. – 4:00 p.m.

Concurrent Sessions
CP17 SODA Session 5A
Continents
CP18 SODA Session 5B
Americas
CP19 SODA Session 5C
Pacific Indian
CP20 SOSA Session 1
Atlantic

4:00 p.m. – 4:30 p.m.

Coffee Break
Hall

Monday, January 23

4:30 p.m. – 6:30 p.m.

Concurrent Sessions
CP21 SODA Session 6A
Continents
CP22 SODA Session 6B
Americas
CP23 SODA Session 6C
Pacific Indian
CP24 SOSA Session 2
Atlantic

6:45 p.m. – 7:45 p.m.

 SODA Business Meeting & Awards
 Presentation, followed by SOSA
 Business Meeting
Continents


Tuesday, January 24

8:30 a.m. – 6:30 p.m.

Registration
Hall

9:00 a.m. – 11:00 a.m.

Concurrent Sessions
CP25 SODA Session 7A
Continents
CP26 SODA Session 7B
Americas
CP27 SODA Session 7C
Pacific Indian
CP28 SOSA Session 3
Atlantic

11:00 a.m. – 11:30 a.m.

Coffee Break
Hall

11:30 a.m. – 12:30 p.m.

IP3 Almost Linear Time Algorithms for All Flows:
 Success of the Laplacian Paradigm
 Sushant Sachdeva, University of Toronto, Canada
Continents

12:30 p.m. – 2:00 p.m.

Lunch Break
Attendees on their own

2:00 p.m. – 4:00 p.m.

Concurrent Sessions
CP29 SODA Session 8A
Continents
CP30 SODA Session 8B
Americas
CP31 SODA Session 8C
Pacific Indian
CP32 SOSA Session 4
Atlantic

4:00 p.m. – 4:30 p.m.

Coffee Break
Hall

Tuesday, January 24

4:30 p.m. – 6:10 p.m.

CP33 SOSA Session 5

Atlantic

4:30 p.m. – 6:30 p.m.

Concurrent Sessions

CP34 SODA Session 9A

Continents

CP35 SODA Session 9B

Americas

CP36 SODA Session 9C

Pacific Indian

Wednesday, January 25

8:30 AM - 3:40 PM

Registration

Hall

9:00 AM - 11:00 AM

Concurrent Sessions

CP37 SODA Session 10A

Continents

CP38 SODA Session 10B

Americas

CP39 SODA Session 10C

Pacific Indian

CP40 SOSA Session 6

Atlantic

11:00 AM - 11:30 AM

Coffee Break

Hall

11:30 AM - 12:30 PM

IP4 Explainable Clustering and Noisy LabelsOla Svensson, École Polytechnique Fédérale de
Lausanne, Switzerland*Continents*

12:30 PM - 2:00 PM

Lunch Break

Attendees on their own

2:00 PM - 3:40 PM

Concurrent Sessions

CP41 SODA Session 11A

Continents

CP42 SODA Session 11B

Americas

CP43 APOCS Session 1

*Atlantic***SODA and SOSA**

Each presentation is allotted a total of twenty (20) minutes. Each presenter should allow 17 minutes for a presentation and 3 minutes for Q&A.

ALENEX and APOCS

Each presentation is allotted a total of twenty-five (25) minutes. Each presenter should allow 20 minutes for a presentation and 5 minutes for Q&A.

Key to abbreviations and symbols

IP = Invited Plenary Speaker



= Business Meeting



= Coffee Break

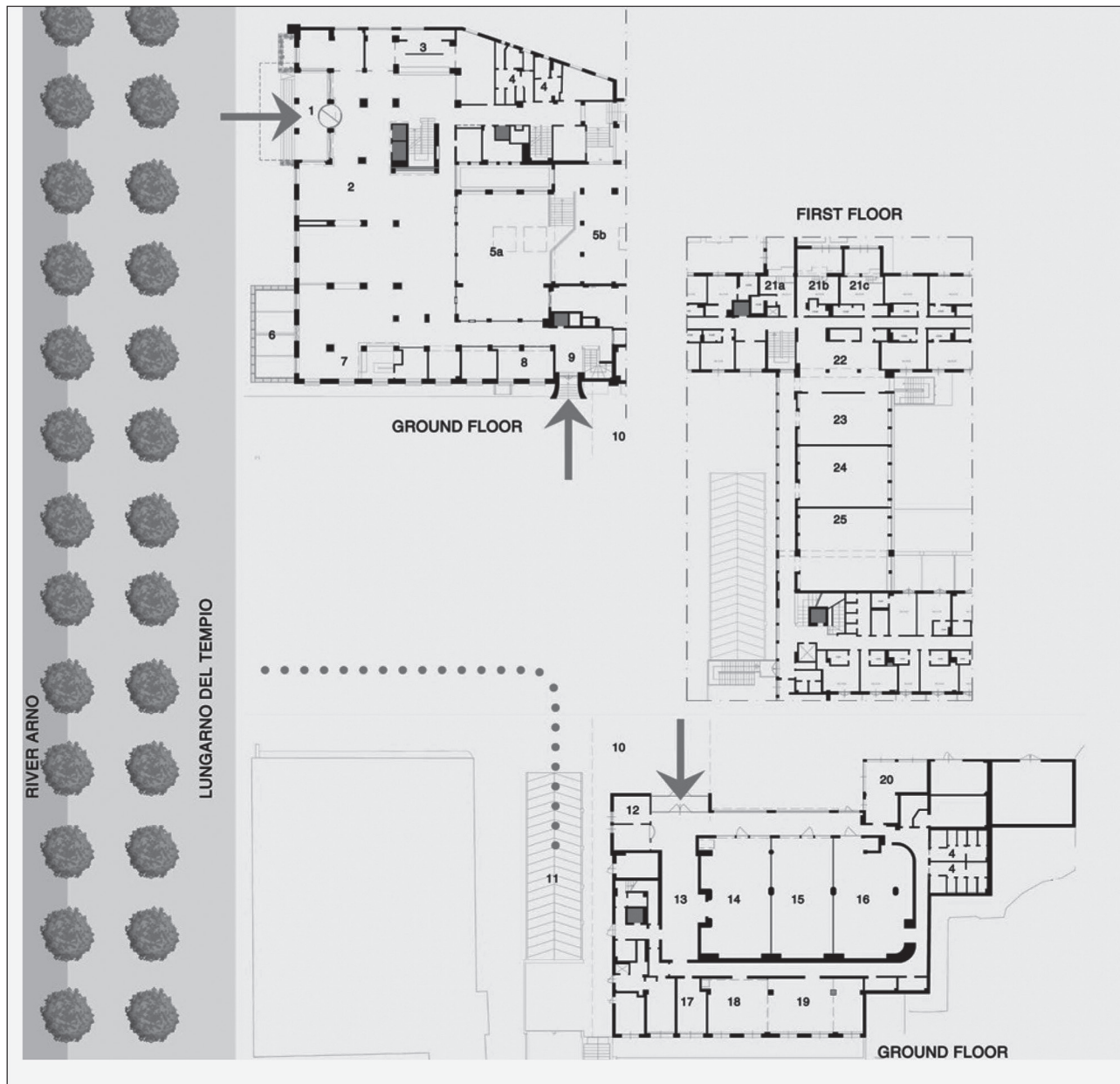


= Refreshments Served



= Luncheon

Hotel Mediterraneo Floor Plan



Legend

1. Main entrance
2. Hall
3. Reception
4. Toilets
5. Restaurants (a, b, c)
6. Bar Terrace
7. American Bar
8. Multifunctional Room
9. Second Entrance
10. Cover connection to the congress center
11. Ramp access to the garage
12. Meeting and congress office
13. Foyer
14. Meeting room Europa
15. Meeting room Asia
16. Meeting room Africa
17. Meeting room Australia
18. Meeting room America del Sud
19. Meeting room America del Nord
20. Meeting room Giardino d'Inverno
21. Business rooms (a, b, c, d, e)
22. Foyer
23. Meeting room Pacifico
24. Meeting room Indiano
25. Meeting room Atlantico

■ Elevator