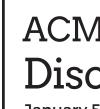
Hilton Salt Lake City Center Floor Plans

Fitness Cente **2nd Floor** Sur Deck Events Office ADA Ramp East Registration Office Alpine allroo Topaz Theater Room Canyon Room Salt Lake City Center Granite Boardroom Trofi Trofi Patio Restaura Granite **Street Level** Conference Cente Salon M Salon 1 S P E N C E R 🕯 S Salon III FOR STEAKS AND CHOPS Sitting Area with Firepla Front Desk Executive Board Room Men's Gift Shop **Main Entrance**





Symposium on Algorithm Engineering and Experiments January 5-6, 2020 · Salt Lake City, Utah, U.S.

Symposium on Simplicity in Algorithms January 6-7, 2020 · Salt Lake City, Utah, U.S.

Symposium on

The Theory Underlying Algorithms Workshop (TUNGA) will take place on January 8.



SIAM Events Mobile App Scan the QR code with any QR reader and download the TripBuilder EventMobileTM app to your iPhone, iPad, iTouch or Android mobile device. You can also visit http://www.tripbuildermedia.com/apps/siamevents



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At-a-Glance Schedule

ACM-SIAM Symposium on Discrete Algorithms

January 5-8, 2020 · Salt Lake City, Utah, U.S.

Algorithmic Principles of **Computer Systems** January 8, 2020 · Salt Lake City, Utah, U.S.

Society for Industrial and Applied Mathematics

SODA, ALENEX, SOSA, and APOCS 2020

CP28 SODA Session 7C

Alpine West

Saturday, January 4 Sunday, January 5 Monday, January 6 4:05 p.m. - 4:30 p.m. 2:00 p.m. - 4:05 p.m. 5:00 p.m. - 8:00 p.m. \square Registration Coffee Break **Concurrent Sessions** CP17 SOSA Session 1 Topaz Grand Ballroom Foyer Canvon A&B CP18 SODA Session 5A 6:00 p.m. - 8:00 p.m. 4:30 p.m. - 6:35 p.m. 3 Grand Ballroom C Welcome Reception **Concurrent Sessions** CP19 SODA Session 5B Grand Ballroom A&B **CP9** ALENEX Session 3 de Alpine East Canyon A&B CP20 SODA Session 5C CP10 SODA Session 3A Alpine West Grand Ballroom C Sunday, January 5 CP11 SODA Session 3B Alpine East 4:05 p.m. - 4:30 p.m. \square CP12 SODA Session 3C Coffee Break 8:00 a.m. - 5:00 p.m. Alpine West Grand Ballroom Fover Registration 6:35 p.m. - 6:45 p.m. 4:30 p.m. - 6:35 p.m. Topaz **Concurrent Sessions** Intermission 8:30 a.m. - 9:00 a.m. **CP21** SOSA Session 2 Continental Breakfast 6:45 p.m. - 7:45 p.m. Canvon A&B 010 Grand Ballroom Foyer ALENEX Business Meeting CP22 SODA Session 6A Grand Ballroom C Canyon A&B CP23 SODA Session 6B 9:00 a.m. - 11:05 a.m. Alpine East **Concurrent Sessions** CP24 SODA Session 6C CP1 ALENEX Session 1 Monday, January 6 Alpine West Canyon A&B CP2 SODA Session 1A 6:35 p.m. - 6:45 p.m. Grand Ballroom C 8:00 a.m. - 5:00 p.m. CP3 SODA Session 1B Intermission Registration Alpine East CP4 SODA Session 1C 6:45 p.m. - 7:45 p.m. Topaz Alpine West SODA Business Meeting & Awards 8:30 a.m. - 9:00 a.m. Presentation, and SOSA Business 010 11:05 a.m. - 11:30 a.m. Continental Breakfast Meeting Grand Ballroom C Coffee Break Grand Ballroom Foyer Complimentary beer and wine will be served. Grand Ballroom Foyer 9:00 a.m. - 11:05 a.m. 11:30 a.m. - 12:30 p.m. **Concurrent Sessions IP1** Algorithmic Questions in Machine Learning CP13 ALENEX Session 4 Tuesday, January 7 Sanjeev Arora, Princeton University, U.S. Canyon A&B CP14 SODA Session 4A Grand Ballroom C Grand Ballroom C 8:00 a.m. - 5:00 p.m. 12:30 p.m. - 2:00 p.m. CP15 SODA Session 4B Alpine East Registration Luncheon **Ticketed Event** 010 CP16 SODA Session 4C Topaz Grand Ballroom A&B Alpine West 8:30 a.m. - 9:00 a.m. 2:00 p.m. - 4:05 p.m. W10 11:05 a.m. - 11:30 a.m. Continental Breakfast **Concurrent Sessions** \square Grand Ballroom Foyer Coffee Break **CP5** ALENEX Session 2 Grand Ballroom Foyer Canyon A&B 9:00 a.m. - 11:05 a.m. CP6 SODA Session 2A 11:30 a.m. - 12:30 p.m. Grand Ballroom C **Concurrent Sessions** CP25 SOSA Session 3 CP7 SODA Session 2B **IP2** Dynamic Algorithms for Point Sets and Graphs Canvon A&B Alpine East Monika Henzinger, University of Vienna, Austria CP26 SODA Session 7A CP8 SODA Session 2C Grand Ballroom C Grand Ballroom C Alpine West CP27 SODA Session 7B 12:30 p.m. - 2:00 p.m. Alpine East Lunch Break

Attendees on their own

SODA, ALENEX, SOSA, and APOCS 2020 Tuesday, January 7 8:00 a.m. - 5:00 p.m. 11:05 a.m. - 11:30 a.m. \square Coffee Break Registration Grand Ballroom Foyer Topaz 11:30 a.m. - 12:30 p.m. 8:30 a.m. - 9:00 a.m. IP3 Computing Maximum Independent Set in Continental Breakfast Graph Classes Grand Ballroom Foyer Stéphan Thomassé, École Normale Supérieure de Lyon, France 9:00 a.m. - 11:05 a.m. Grand Ballroom C **Concurrent Sessions** CP35 APOCS Session 1 12:30 p.m. - 2:00 p.m. Canyon A&B Lunch Break CP36 SODA Session 10A Attendees on their own Grand Ballroom C CP37 SODA Session 10B 2:00 p.m. - 4:05 p.m. Alpine East CP38 SODA Session 10C **Concurrent Sessions** CP29 SODA Session 8A Alpine West Grand Ballroom C CP30 SODA Session 8B 11:05 a.m. - 11:30 a.m. Alpine East Coffee Break CP31 SODA Session 8C Grand Ballroom Foyer Alpine West TUNGA Workshop (see http://tunga.eu/ for details) 11:30 a.m. - 12:30 p.m. Canyon A&B Satisfaction Problems 4:05 p.m. - 4:30 p.m. Coffee Break U.S. \square Grand Ballroom C Grand Ballroom Foyer 4:30 p.m. - 6:35 p.m. 12:30 p.m. - 2:00 p.m. **Concurrent Sessions** Lunch Break CP32 SODA Session 9A Attendees on their own Grand Ballroom C CP33 SODA Session 9B 2:00 p.m. - 4:05 p.m. Alpine East **Concurrent Sessions** CP34 SODA Session 9C CP39 APOCS Session 2 Alpine West Canyon A&B TUNGA Workshop (see http://tunga.eu/ for details) CP40 SODA Session 11A Canyon A&B Grand Ballroom C CP41 SODA Session 11B 6:35 p.m. - 6:45 p.m. Alpine East Intermission CP42 SODA Session 11C Alpine West 6:45 p.m. - 7:45 p.m. **IP4** SIAG/ACDA Plenary Presentation - Models 4:05 p.m. - 4:30 p.m. and Algorithms in Support of Modern Urban Coffee Break Grand Ballroom Fover Mobility David B. Shmoys, Cornell University, U.S. Grand Ballroom C 4:30 p.m. - 6:35 p.m. **Concurrent Sessions** Canyon A&B CP44 SODA Session 12A

Grand Ballroom C CP45 SODA Session 12B Alpine East CP46 SODA Session 12C Alpine West

Wednesday, January 8

IP5 Phase Transitions in Random Constraint Nike Sun, Massachusetts Institute of Technology,



CP43 APOCS Session 3 and Business Meeting

