

SODA, ALENEX and ANALCO At-a-Glance

Saturday, January 6

Sunday, January 7

Monday, January 8

5:00 PM - 8:00 PM
Registration
Grand Ballroom Foyer - 2nd Floor

6:00 PM - 8:00 PM
Welcome Reception
Astor Ballroom - 2nd Floor

Sunday, January 7

8:00 AM - 5:00 PM
Registration
Grand Ballroom Foyer - 2nd Floor

8:30 AM
Continental Breakfast
Grand Gallery - 2nd Floor

9:00 AM - 11:05 AM
Concurrent Sessions
ALENEX: Session 1
Toulouse - Mezzanine

CP1 Session 1A
Grand Ballroom ABC - 2nd Floor

CP2 Session 1B
Grand Ballroom D - 2nd Floor

CP3 Session 1C
St. Charles - 1st Floor

11:05 AM - 11:30 AM
Coffee Break
Grand Gallery - 2nd Floor

11:30 AM - 12:30 PM
IP1 Differential Privacy: A Gateway Concept
Cynthia Dwork, Harvard University, USA
Grand Ballroom ABC - 2nd Floor

12:30 PM - 2:00 PM
Luncheon **Ticketed Event**
Astor Ballroom - 2nd Floor

2:00 PM - 4:05 PM
Concurrent Sessions
ALENEX: Session 2
Toulouse - Mezzanine

CP4 Session 2A
Grand Ballroom ABC - 2nd Floor

CP5 Session 2B
Grand Ballroom D - 2nd Floor

CP6 Session 2C
St. Charles - 1st Floor

4:05 PM - 4:30 PM
Coffee Break
Grand Gallery - 2nd Floor

4:30 PM - 6:35 PM
Concurrent Sessions
ALENEX: Session 3
Toulouse - Mezzanine

CP7 Session 3A
Grand Ballroom ABC - 2nd Floor

CP8 Session 3B
Grand Ballroom D - 2nd Floor

CP9 Session 3C
St. Charles - 1st Floor

6:45 PM - 7:45 PM
ALENEX and ANALCO
Business Meeting
Toulouse - Mezzanine

Monday, January 8

8:00 AM - 5:00 PM
Registration
Grand Ballroom Foyer - 2nd Floor

8:30 AM
Continental Breakfast
Grand Gallery - 2nd Floor

9:00 AM - 11:05 AM
Concurrent Sessions
ALENEX: Session 4
Toulouse - Mezzanine

CP10 Session 4A
Grand Ballroom ABC - 2nd Floor

CP11 Session 4B
Grand Ballroom D - 2nd Floor

CP12 Session 4C
St. Charles - 1st Floor

11:05 AM - 11:30 AM
Coffee Break
Grand Gallery - 2nd Floor

11:30 AM - 12:30 PM
IP2 The Power of Theory in the Practice of Hashing with Focus on Similarity Estimation
Mikkel Thorup, University of Copenhagen, Denmark
Grand Ballroom ABC - 2nd Floor

12:30 PM - 2:00 PM
Lunch Break
Attendees on their own

2:00 PM - 4:05 PM
Concurrent Sessions
ALENEX: Session 5
Toulouse - Mezzanine

CP13 Session 5A
Grand Ballroom ABC - 2nd Floor

CP14 Session 5B
Grand Ballroom D - 2nd Floor

CP15 Session 5C
St. Charles - 1st Floor

4:05 PM - 4:30 PM
Coffee Break
Grand Gallery - 2nd Floor

4:30 PM - 6:35 PM
Concurrent Sessions
ANALCO: Session 1
Toulouse - Mezzanine

CP16 Session 6A
Grand Ballroom ABC - 2nd Floor

CP17 Session 6B
Grand Ballroom D - 2nd Floor

CP18 Session 6C
St. Charles - 1st Floor

6:45 PM - 7:45 PM
SODA Business Meeting and Awards Presentation
Grand Ballroom ABC - 2nd Floor
Complimentary beer and wine will be served.

Tuesday, January 9

8:00 AM - 5:00 PM
Registration
Grand Ballroom Foyer - 2nd Floor

8:30 AM
Continental Breakfast
Grand Gallery - 2nd Floor

SODA, ALENEX and ANALCO At-a-Glance

Tuesday, January 9

Wednesday, January 10

Wednesday, January 10

9:00 AM - 11:05 AM
Concurrent Sessions
ANALCO: Session 2
Toulouse - Mezzanine

CP19 Session 7A
Grand Ballroom ABC - 2nd Floor

CP20 Session 7B
Grand Ballroom D - 2nd Floor

CP21 Session 7C
St. Charles - 1st Floor

11:05 AM - 11:30 AM
Coffee Break
Grand Gallery - 2nd Floor

11:30 AM - 12:30 PM
IP3 Approximation Algorithms for Uncertain Environments
Anupam Gupta, Carnegie Mellon University, USA
Grand Ballroom ABC - 2nd Floor

12:30 PM - 2:00 PM
Lunch Break
Attendees on their own

2:00 PM - 4:05 PM
Concurrent Sessions
ANALCO: Session 3
Toulouse - Mezzanine

CP22 Session 8A
Grand Ballroom ABC - 2nd Floor

CP23 Session 8B
Grand Ballroom D - 2nd Floor

CP24 Session 8C
St. Charles - 1st Floor

4:05 PM - 4:30 PM
Coffee Break
Grand Gallery - 2nd Floor

4:30 PM - 6:35 PM
Concurrent Sessions
CP25 Session 9A
Grand Ballroom ABC - 2nd Floor

CP26 Session 9B
Grand Ballroom D - 2nd Floor

CP27 Session 9C
St. Charles - 1st Floor

8:00 AM - 5:00 PM
Registration
Grand Ballroom Foyer - 2nd Floor

8:30 AM
Continental Breakfast
Grand Gallery - 2nd Floor

9:00 AM - 6:35 PM
Symposium on Simplicity in Algorithms
See <https://simplicityalgorithms.wixsite.com/sosa> for details
Toulouse - Mezzanine

9:00 AM - 11:05 AM
Concurrent Sessions
CP28 Session 10A
Grand Ballroom ABC - 2nd Floor

CP29 Session 10B
Grand Ballroom D - 2nd Floor

CP30 Session 10C
St. Charles - 1st Floor

11:30 AM - 12:30 PM
IP4 Title Not Available at Time of Publication
Virginia Vassilevska Williams, Massachusetts Institute of Technology, USA
Grand Ballroom ABC - 2nd Floor

12:30 PM - 2:00 PM
Lunch Break
Attendees on their own

2:00 PM - 4:05 PM
Concurrent Sessions
CP31 Session 11A
Grand Ballroom ABC - 2nd Floor

CP32 Session 11B
Grand Ballroom D - 2nd Floor

CP33 Session 11C
St. Charles - 1st Floor





4:05 PM - 4:30 PM
Coffee Break
Grand Gallery - 2nd Floor

4:30 PM - 6:35 PM
Concurrent Sessions
CP34 Session 12A
Grand Ballroom ABC - 2nd Floor

CP35 Session 12B
Grand Ballroom D - 2nd Floor

CP36 Session 12C
St. Charles - 1st Floor

Key to abbreviations and symbols

-  = Coffee Break
-  = Refreshments Served
- IP** = Invited Plenary Speaker
-  = Business Meeting
-  = Continental Breakfast and/or Luncheon
-  = Award Presentation

Program At-A-Glance



siam® **acm** Association for Computing Machinery
ACM-SIAM Symposium on Discrete Algorithms

January 7-10, 2018
Astor Crowne Plaza –
New Orleans French Quarter
New Orleans, Louisiana, USA

ALENEX18

Meeting on
Algorithm Engineering & Experiments

January 7-8, 2018
Astor Crowne Plaza–
New Orleans French Quarter
New Orleans, Louisiana, USA

ANALC018 Meeting on
Analytic Algorithmics and Combinatorics

January 8-9, 2018
Astor Crowne Plaza–
New Orleans French Quarter
New Orleans, Louisiana, USA

Astor Crowne Plaza Floor Plan

