

Advanced Accelerator Concepts 2026

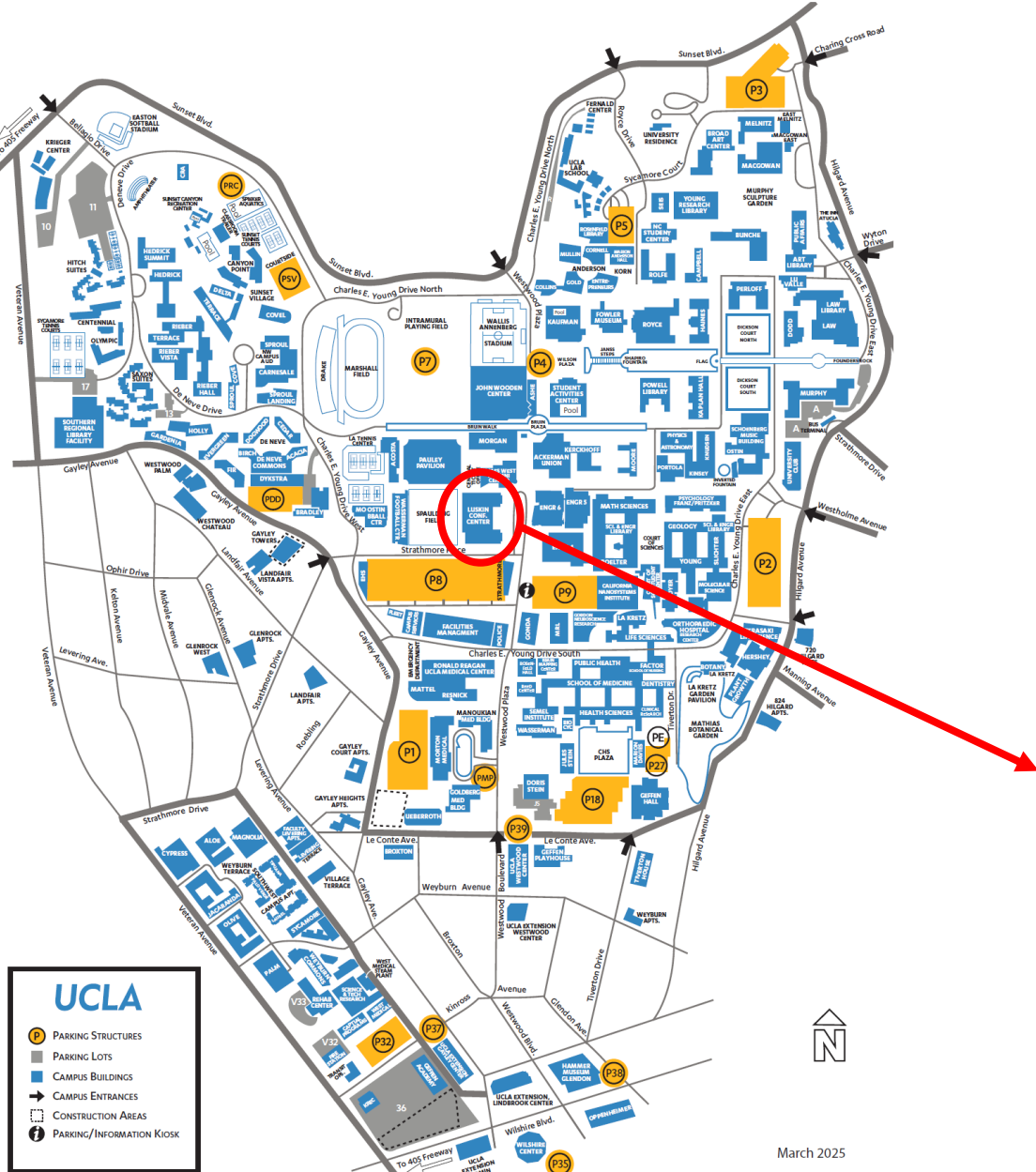
Introductory remarks



Thanks to our sponsors !



Welcome to UCLA



Meyer & Renee Luskin
Conference Center

AAC 2026: more than four decades of advanced accelerators

22nd meeting in a series started at LANL in 1982 as the “Laser Acceleration of Particles workshop”

#	Year	Location		#	Year	Location
1	1982	Los Alamos, NM		12	2006	Lake Geneva, WI
2	1985	Malibu, CA		13	2008	Santa Cruz, CA
3	1986	Madison, WI		14	2010	Annapolis, MD
4	1989	Lake Arrowhead, CA		15	2012	Austin, TX
5	1992	Port Jefferson, NY		16	2014	San Jose, CA
6	1994	Lake Geneva, WI		17	2016	National Harbor, MD
7	1996	Lake Tahoe, CA		18	2018	Breckenridge, CO
8	1998	Baltimore, MD		19	2020	Pacific Grove, CA*
9	2000	Santa Fe, NM		20	2022	Hauppauge, NY
10	2002	Oxnard, CA		21	2024	Naperville, IL
11	2004	Stony Brook, NY		22	2026	Los Angeles—UCLA

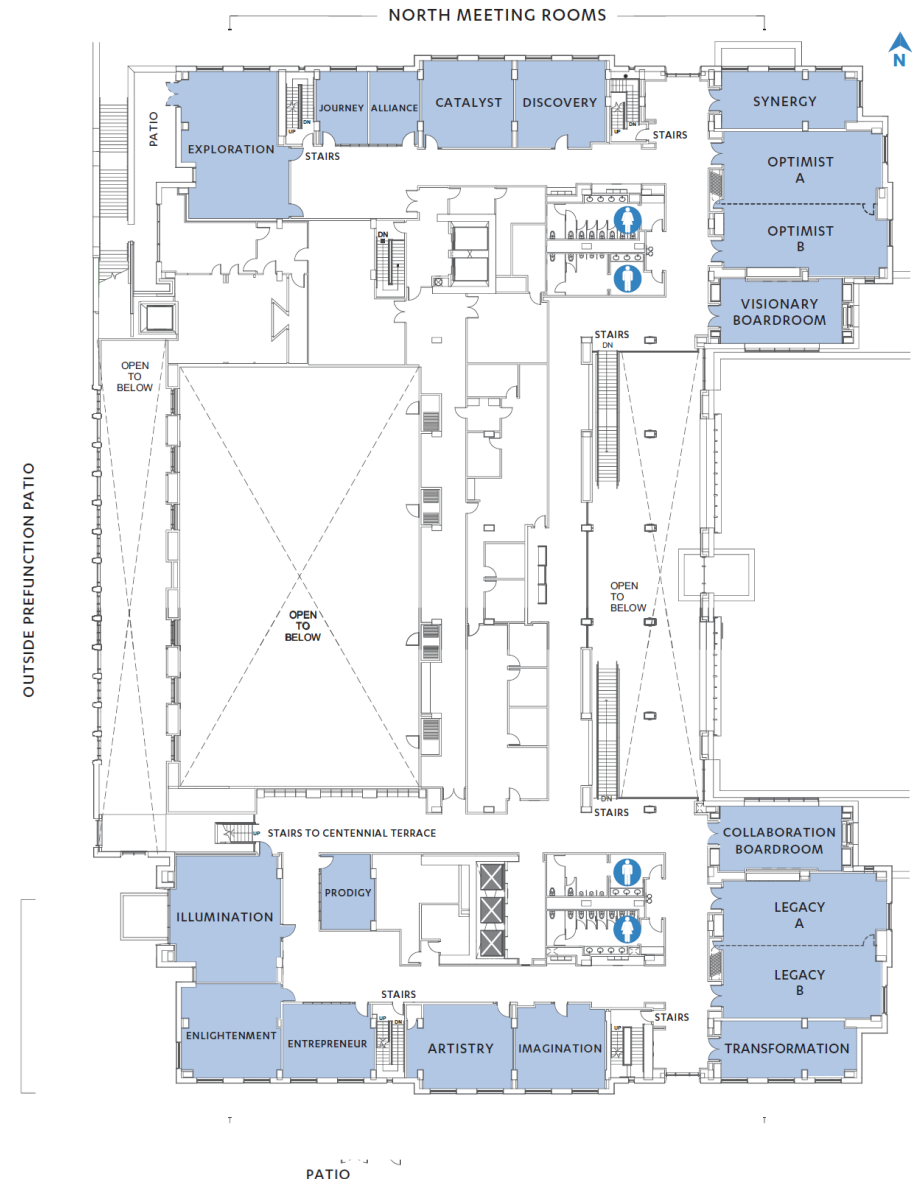
Where to find up-to-date program information

- Indico website (most current)
- Daily updates in printed/posted conference schedule at doors
- AAC Pamphlet in your registration bags

	Sun July 26 th	Mon July 27 th	Tue July 28 th	Wed July 29 th	Thu July 30 th	Fri July 31 th
8.45 – 10:15 am		Morning plenaries	Morning Plenaries	Morning Plenaries	Morning Plenaries	Morning Plenaries
10:15 – 10:45 am		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
10:45 am – 12:15 pm		Morning plenaries	Morning Plenaries	Morning Plenaries	Morning Plenaries	Morning Plenaries
12:15 – 1:30 pm		Lunch	Lunch	Excursion : Santa Monica beach	Lunch	
1:30 pm – 3:30 pm		Working groups	Working groups		Working groups	
3:30 pm – 4 pm		Coffee break	Coffee break		Coffee break	
4 pm – 6 pm		Working groups	Working groups		Working groups	
Evening	Welcome reception	Poster session # 1	Poster session # 2		Banquet	

Logistics for today Mon July 27th

- Lunch on Centennial Terrace
 - Poster session
 - SPC dinner and side meetings
 - Working group locations
-
- If you want to participate to Wed excursion to Santa Monica beach, sign up by 12:30 pm



Optional tours: sign-up sheets at registration desk

- UCLA labs: Carbajo, Joshi, Musumeci, Rosenzweig
- Friday @ 1.30 pm-3.30 pm
- sign-up sheet at registration desk
- Space is limited, please indicate your preference



Pool

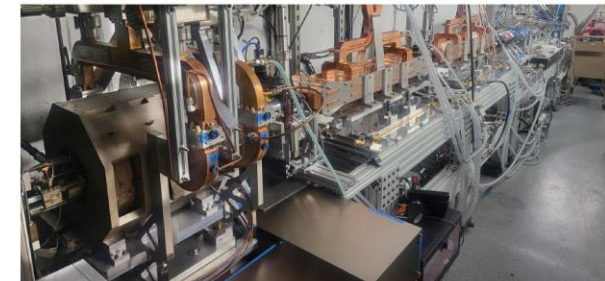


Food & Drinks



Transportation

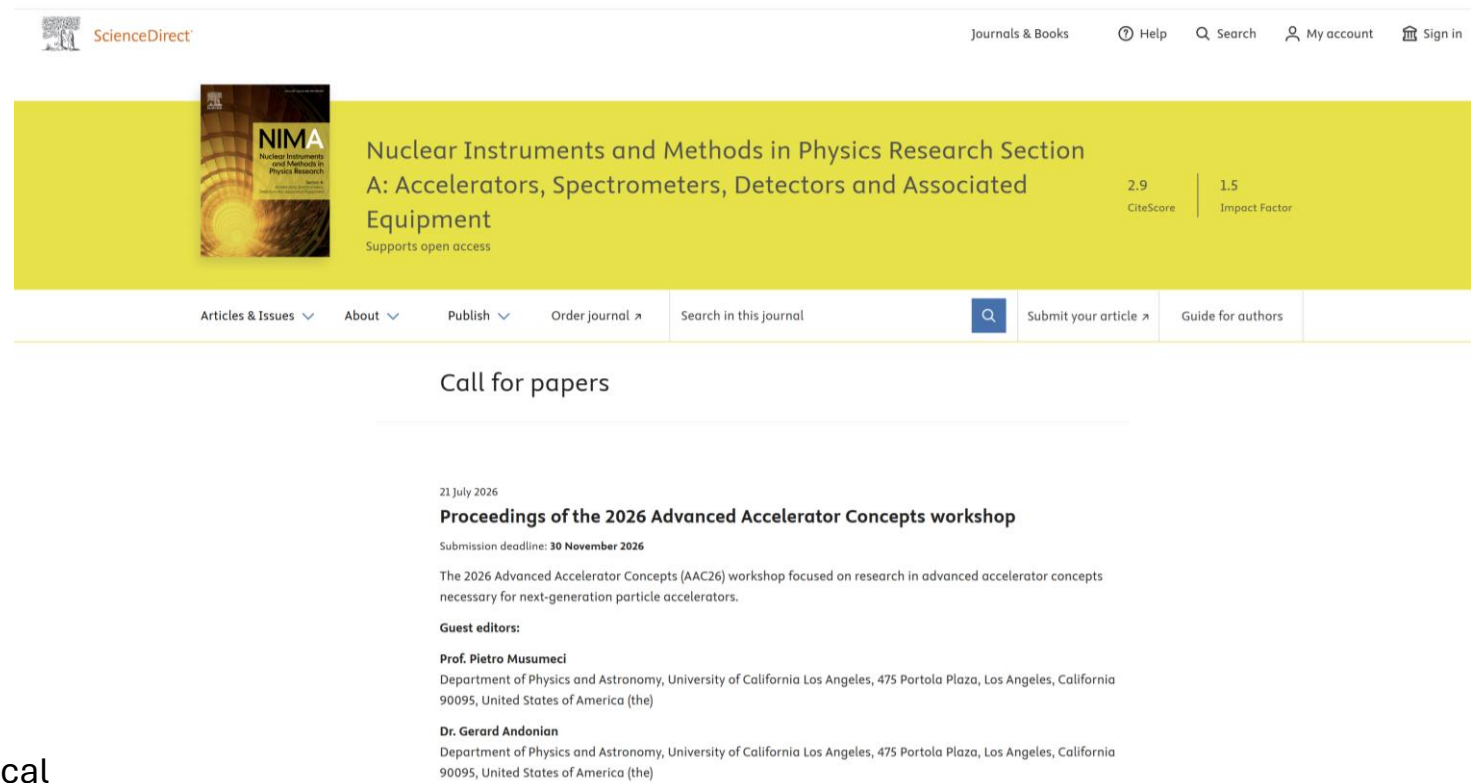
All attendees will receive a \$50 Lyft voucher to help you get back safely.



Guided Facility Tours

AAC Proceedings

- **Special issue of NIM A**
- **Full manuscripts based on AAC 2026 contributions**
 - Oral and poster presentations
- **Peer reviewed according to NIM A standards**
 - Submissions should contain substantive technical results
 - Conference presentation does not guarantee acceptance
- **Submit through the NIM A online system**
Select the AAC 2026 special issue
- **Guest editors** G. Andonian , P. Musumeci , S. Tochitsky



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Call for papers

21 July 2026

Proceedings of the 2026 Advanced Accelerator Concepts workshop

Submission deadline: **30 November 2026**

The 2026 Advanced Accelerator Concepts (AAC26) workshop focused on research in advanced accelerator concepts necessary for next-generation particle accelerators.

Guest editors:

Prof. Pietro Musumeci
Department of Physics and Astronomy, University of California Los Angeles, 475 Portola Plaza, Los Angeles, California 90095, United States of America (the)

Dr. Gerard Andonian
Department of Physics and Astronomy, University of California Los Angeles, 475 Portola Plaza, Los Angeles, California 90095, United States of America (the)

Website accepting submission : August 1st 2026
Submission deadline: September 30th , 2026

AAC26 in numbers

- 230 participants of which 86 students ! (+ 50 % from AAC2024)
- 27 Invited talks
- 140 contributed talks
- 94 posters of which 64 competing for 6 student awards
- Shifting trends:
 - For comparison WG1 (LWFA) has 5 afternoon sessions (30 talks) and 16 posters
 - Largest WG is WG5 (controls, diagnostics, sources) 6 afternoon sessions(34 talks) and >30 posters
 - WG6 near term applications continues to grow (24 talks and 17 posters)
 - WG7 (HEP and collider) has only 1 afternoon session and 3 posters

Impact of Advanced Accelerators in workforce development

- The field combines accelerator technology with fundamental physics attracting broad scientific attention.
- The frequency of high-impact publications reflects how many fundamental questions remain open.
- At the same time for workforce development, high visibility papers are critical at all levels: professorships, postdocs opportunities, graduate student fellowships

Accelerator Technology Papers: Conventional vs Advanced

