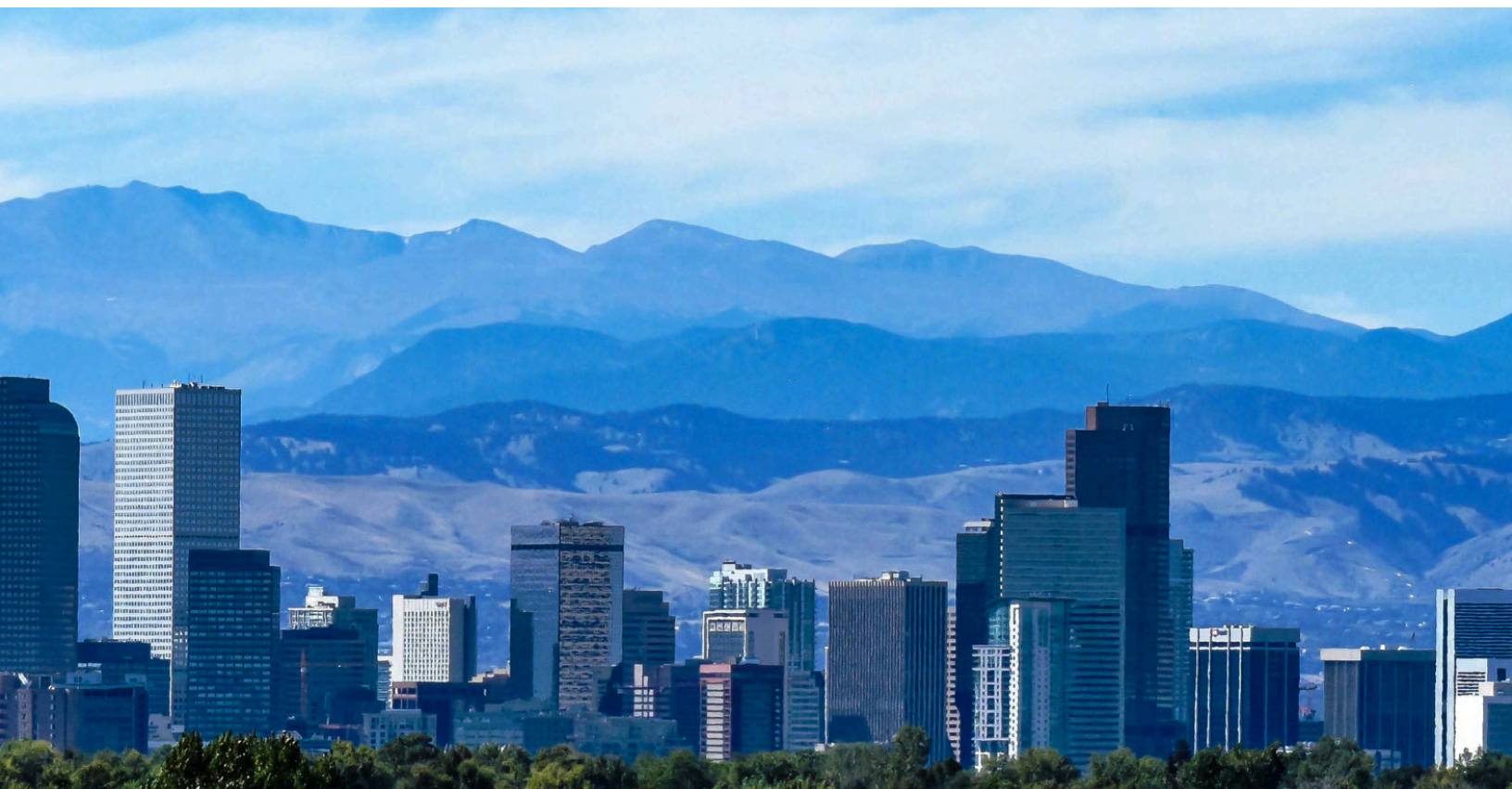




DENVER, COLORADO • OCTOBER 5 – 8, 2026

International Congress on Applications of Lasers & Electro-Optics

Four days where the researchers who develop laser processes and the engineers who build laser equipment are in the same rooms.

3 TECHNICAL CONFERENCES • 25+ COUNTRIES • 50/50 INDUSTRY : RESEARCH

📅 DATES TO HOLD

REGISTER BY

August 31

Prices increase after
this date

BOOK THE ROOM BY

September 17

\$219 group rate, not
guaranteed after

CONGRESS

October 5 – 8

Hilton Denver City
Center



REGISTER TODAY

**icaleo.org
/attend**

THE AUDIENCE

Who you will meet

Across the three most recent congresses (Chicago, Los Angeles and Orlando):

600+

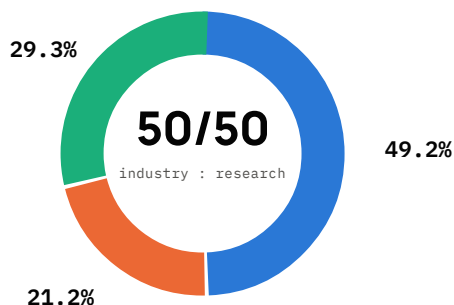
distinct laser professionals took part

250+

employing organizations represented

40%+

of each audience returning from a previous ICALEO



Industry	49.2%
Government, national labs and institutes	21.2%
Universities	29.3%

Roughly half the room applies lasers in production; the other half develops the processes they will run next.



Three conferences, one registration

The 2026 program comprises 119 accepted presentations (106 oral and 13 posters) from 73 organizations in 20 countries across four continents. Sixty-five went through peer review; those authors are invited to submit a full manuscript, and accepted manuscripts are published in the special ICALEO edition of the *Journal of Laser Applications*®. Peer-reviewed work is presented alongside the rest of the program and marked as such. The program is published at icaleo.org/program.

Laser Materials Microprocessing (MICRO)

42%

Ultrafast and short-pulse processing, micromachining, structuring and ablation.

Laser Materials Macroprocessing (MACRO)

40%

Welding, cutting, drilling, joining, cladding, fusion and high-power beam delivery.

Laser Additive Manufacturing (LAM)

18%

Powder-bed and directed-energy-deposition processes, monitoring and qualification.

Technology focus across the three conferences

Additive manufacturing

Beam shaping

Cutting and drilling

Biomedical

Fusion

Brazing, soldering, bonding

Glass and ceramic processing

Modeling and simulation

Monitoring and control, including AI

Optics and systems

Structuring, ablation, cleaning

Welding



One full-conference registration covers all three conferences, the plenaries, the industry panel, the poster gallery and the exhibit floor.

PROGRAM

Plenary speakers

Five plenary talks bracket the technical program, and every registration includes them.

▶ OPENING PLENARY – MONDAY, OCTOBER 5



Dr. Tammy Ma

Principal Associate Director for Science & Technology, National Ignition Facility & Photon Sciences Directorate · Lawrence Livermore National Laboratory

“Ignition Achieved: Progress and Challenges Toward an Inertial Fusion Energy Future”

The advances behind the 2022 ignition breakthrough, the international IFE landscape, and the gaps still to be closed in lasers and electro-optics.



Dr. Lutz Aschke

Director Laser Strategy · Marvel Fusion

“How new laser technology advances IFE — and other marvelous things we can do with it”

An IFE concept built on high-efficiency diode-pumped ultrashort-pulse lasers at 10 Hz, the first two now being installed at Colorado State University.



Dr. Carmen S. Menoni

University Distinguished Professor · Colorado State University

“Redefining Optical Coatings for the Most Demanding Laser Technologies”

Interference coatings govern output energy, spectral purity and reliability, and meeting commercial IFE requirements means rethinking them down to 248 nm.

🚩 CLOSING PLENARY – WEDNESDAY, OCTOBER 7



Dr. Jack Gabzdyl

Business Development Manager, Short Pulse Solutions · TRUMPF

“The real secrets of nanosecond welding”

Pulse control and scanning strategy make nanosecond fiber lasers an effective joining tool for thin-section and dissimilar-metal welds. Presented with Adam Rosowski.



Dr. Jun Ye

Physicist and Professor · University of Colorado, JILA and NIST

🏆 2026 ARTHUR L. SCHAWLOW AWARD RECIPIENT

“Talk title to be announced”

The frontier of light-matter interactions and quantum science, and the new tools it gives precision measurement and frequency metrology.

PROGRAM

Who sets the program

The technical program is set by working researchers and engineers, not by staff. Two co-chairs lead each conference; they review the abstracts, shape the sessions and recruit the session chairs who run them on site.

CONGRESS GENERAL CHAIR COUNCIL



GENERAL CHAIR • 2026

Dr. Markus Kogel-Hollacher

AKL Arbeitskreis Lasertechnik
e.V. • Germany



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TRACK CO-CHAIR

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ALPhANOV • France



TRACK CO-CHAIR

Jared Speltz

Univ. of Dayton Research Institute • USA

MACRO Laser Materials Macroprocessing



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LAM Laser Additive Manufacturing



TRACK CO-CHAIR

Prof. Barbara Previtali

Politecnico di Milano • Italy



TRACK CO-CHAIR

Dr. John Middendorf

The Ohio State University • USA

PRESENTER & POSTER Student Presenter Awards and Poster Awards



CHAIR • STUDENT PRESENTER AND POSTER AWARDS

Gwenn Pallier

Product Line Manager, Cailabs • France

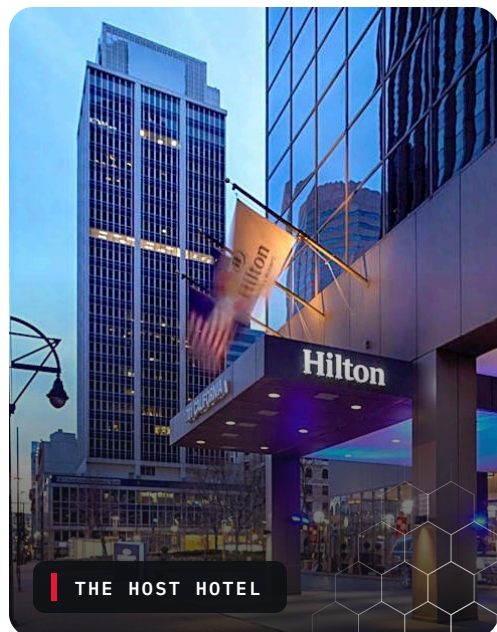
The full program committee is published in the ICALEO technical program.

SCHEDULE

Your week in Denver

SUN October 4	MON October 5	TUE October 6	WED October 7	THU October 8
Welcome Reception 5:00 PM	Laser Running Club 6:30 AM Chair Appreciation Breakfast 7:00 AM Opening Plenary 8:00 AM Technical Sessions 11:00 AM President's Reception 6:30 PM	Laser Running Club 6:30 AM Technical Sessions 8:30 AM Exhibitor Reception 4:30 PM Poster Gallery 4:30 PM Headshot Booth FREE	Laser Running Club 6:30 AM Industry Panel + Technical Sessions 8:30 AM LIA Annual Meeting & Awards Luncheon 12:00 PM Closing Plenary 4:00 PM Ice Cream Send-Off 6:00 PM	Xcimer Energy Facility Tour HALF DAY Limited availability. Advance registration required.

Program subject to change. Times from the 2026 advance program.



THE HOST HOTEL

THE VENUE

Hilton Denver City Center

1701 California St, Denver, CO 80202

-  Sessions, the exhibit floor and the guest rooms are all in the same building.
-  \$219 per night in the ICALEO room block, available until September 17. Book at icaleo.org/hotel-booking.
-  16th Street Mall is about a ten-minute walk and Larimer Square about fifteen, where most evening conversations continue.
-  Denver International (DEN) has direct service from most US cities and many international ones.
-  Traveling from outside the US? Request a letter of invitation at icaleo.org/visa-letter-request.



BOOK THE ROOM
icaleo.org/hotel-booking

ATTEND

Registration

REGISTRATION TYPE	LIA MEMBER	NON-MEMBER	AVAILABLE THROUGH
Full conference — Standard rate	\$1,199	\$1,299	Through August 31
Full conference — Late rate	\$1,349	\$1,449	September 1 – October 4
Full conference — On-site rate	\$1,499	\$1,599	October 5 – 8, on site
Student — full conference	\$695	\$745	Through October 4
Single day	\$475	\$525	Through October 4
Guest (receptions and Awards Luncheon)		\$155	On site only

WHAT A FULL-CONFERENCE REGISTRATION INCLUDES

- ✓ Every technical session across the three conferences
- ✓ All receptions
- ✓ The plenary sessions
- ✓ The Awards Luncheon



The Standard rate ends August 31, 2026

Registering on or before August 31 saves \$150 on a full-conference registration; the on-site rate is \$300 higher. LIA membership costs \$125 for an individual and saves \$100 at every tier; organizational membership extends the member rate to every employee.

REGISTER

icaleo.org/attend

STANDARD RATE
ENDS

**August 31,
2026**

HOTEL BLOCK
CLOSES

**September 17,
2026**

CONGRESS

**October 5 – 8,
2026**

