

# 2023 Optica Laser Congress and Exhibition

08 – 12 October 2023

Greater Tacoma Convention Center (Greater Seattle Area) Washington, USA

Optica Laser Congress will be presented with the Frontiers in Optics + Laser Science as an in-person event with on-demand content.

**Pacific Daylight Time (UTC-07:00)**

## Agenda of Sessions

Pacific Daylight Time (PDT)	Sunday, 08 October
08:00-18:00	Registration
09:00-12:00	SC511 • Power Scaling and Future Directions of Advanced Fiber Lasers, Room 317 SC522 • Understanding Pulse Generation with Lasers, Room 316 SC523 • Hollow-core Fibers: Fabrication and Applications, Room 315
14:00-17:00	SC524 • Optical Parametric Sources, Room 315 SC529 • Multi-Mode Fiber Nonlinear Optics, Room 316
17:30-19:00	Welcome Reception, Level 3

### Online Access to Technical Digest Papers

Full Conference Registrants will have perpetual access to the digest papers through Optica Publishing's Digital Library starting 02 October, 2023.

To access the papers go to [https://www.optica.org/events/congress/laser\\_congress/](https://www.optica.org/events/congress/laser_congress/)  
and select "Access Digest Papers"

During and after the conference, access is limited to Full Technical Congress Attendees only. You will be asked to validate your credentials by entering the same login email address and password provided during the registration process. If you need assistance with your login information, please use the "forgot password" utility or "Contact Help" link.

Agenda of Sessions is subject to change

## Agenda of Sessions

Monday, 09 October		
Pacific Daylight Time (PDT)	Ballroom A	Room 407
	Advanced Solid State Lasers	Laser Applications Conference
07:00-18:00	Registration, Level 3	
12:30-16:30	Exhibit Hours, Science and Industry Showcase, Level 5	
08:00-09:00	AM1A • New Concepts for Crystals, Ballroom A	
09:00-09:15	Break	
09:15-10:15	JM2A • Joint Plenary Session I, Ballroom A	
10:15-10:45	Coffee Break, Level 3	
10:45-12:45	AM3A • High Energy Sources	LM3B • Laser Shock Peening & Forming
12:45-14:00	JM4A • Laser Congress Joint Poster Session I Lunch with Exhibitors, Science and Industry Showcase, Level 5	
13:00-14:00	Exploring LaserNetUS Research Opportunities: Funding, Access, and Upcoming Proposals, Science and Industry Showcase, Level 5	
14:00-16:00	AM5A • Visible and UV Lasers	LM5B • Laser Induced Damage Test (Ends at 15:30)
16:00-16:30	Coffee Break with Exhibitors, Science and Industry Showcase, Level 5 Sponsored by American Elements	
16:30-18:30	AM6A • Mid-IR Lasers	LM6B • Submicron Material Processing (Ends at 18:00)

Agenda of Sessions is subject to change

## Agenda of Sessions

Tuesday, 10 October		
Pacific Daylight Time (PDT)	Ballroom A	Room 407
	Advanced Solid State Lasers	Laser Applications Conference
07:00-18:00	Registration, Level 3	
10:00-15:30	Exhibit Hours, Science and Industry Showcase, Level 5	
08:00-10:00	ATu1A • Nonlinear Compression	LTu1B • EUV, X-Ray Generation & Particle Acceleration
10:00-10:45	Coffee Break with Exhibitors, Science and Industry Showcase, Level 5 <i>Sponsored by American Elements</i>	
10:45-12:45	ATu2A • Femtosecond Lasers and Pulse Compression	LTu2B • Laser-based Additive Manufacturing
12:45-14:00	Lunch with Exhibitors, Science and Industry Showcase, Level 5	
14:00-15:00	JTu3A • Joint Plenary Session II, Ballroom A	
15:00-15:30	Coffee Break with Exhibitors, Science and Industry Showcase, Level 5 <i>Sponsored by American Elements</i>	
15:30-17:30	ATu4A • Modelocked Oscillators	LTu4B • Lasers for Mobility and Space (Ends at 16:30)
17:30-19:00	JTu5A • Joint Student Poster Session II and Reception, Science and Industry Showcase	

*Agenda of Sessions is subject to change*

## Agenda of Sessions

<b>Wednesday, 11 October</b>		
<b>Pacific Daylight Time (PDT)</b>	<b>Ballroom A</b>	<b>Room 407</b>
	<b>Advanced Solid State Lasers</b>	<b>Laser Applications Conference</b>
<b>07:30-17:00</b>	<b>Registration, Level 3</b>	
<b>10:00-15:30</b>	<b>Exhibit Hours, Science and Industry Showcase, Level 5</b>	
<b>08:00-10:00</b>	<b>AW1A • Laser Materials and Spectroscopy</b>	<b>LW1B • Brittle Materials Processing (Includes Panel Discussion)</b>
<b>10:00-11:00</b>	<b>Coffee Break with Exhibitors, Science and Industry Showcase, Level 5</b> <i>Sponsored by American Elements</i>	
<b>11:00-13:00</b>	<b>AW3A • Novel Concepts and Approaches</b>	<b>LW3B • Surface Modification &amp; Micromachining</b>
<b>13:00-14:00</b>	<b>Lunch with Exhibitors, Science and Industry Showcase, Level 5</b>	
<b>14:00-15:00</b>	<b>JW4A • Postdeadline Paper Presentations, Ballroom A</b>	
<b>15:00-15:30</b>	<b>Coffee Break with Exhibitors, Science and Industry Showcase, Level 5</b> <i>Sponsored by American Elements</i>	
<b>15:30-17:30</b>	<b>AW5A • Parametric Interaction, Ballroom A</b>	
<b>18:30-22:00</b>	<b>Laser Congress Banquet, Museum of Glass</b> <i>Additional fee required, available at registration desk</i>	

*Agenda of Sessions is subject to change*

## Agenda of Sessions

Thursday, 12 October		
Pacific Daylight Time (PDT)	Ballroom A	Room 407
	Advanced Solid State Lasers	Defense Applications
07:30-14:00	Registration, <i>Level 3</i>	
08:00-09:00	ATH1A • Material Characterization, <i>Ballroom A</i>	
09:00-09:15	Break	
09:15-10:45	ATH2A • Nonlinear Crystals and Frequency Conversion	LTh2B • Defense Applications I
11:00-12:45	ATH3A • Beam Combination	LTh3B • Defense Applications II (Ends at 12:30)
12:45-13:45	Lunch <i>On your own</i>	
13:45-15:30	ATH4A • Fiber Sources, <i>Ballroom A</i>	
15:30-16:30	Farewell Toast, <i>Hallway Outside Ballroom A</i>	

Pacific Daylight Time (PDT)	Friday, 13 October	
	09:00-11:00	The Story of the Pacific Northwest Coffee Tour, <i>Courtyard by Marriott Lobby</i> <i>Additional fee required, available at registration desk</i>

*Agenda of Sessions is subject to change*