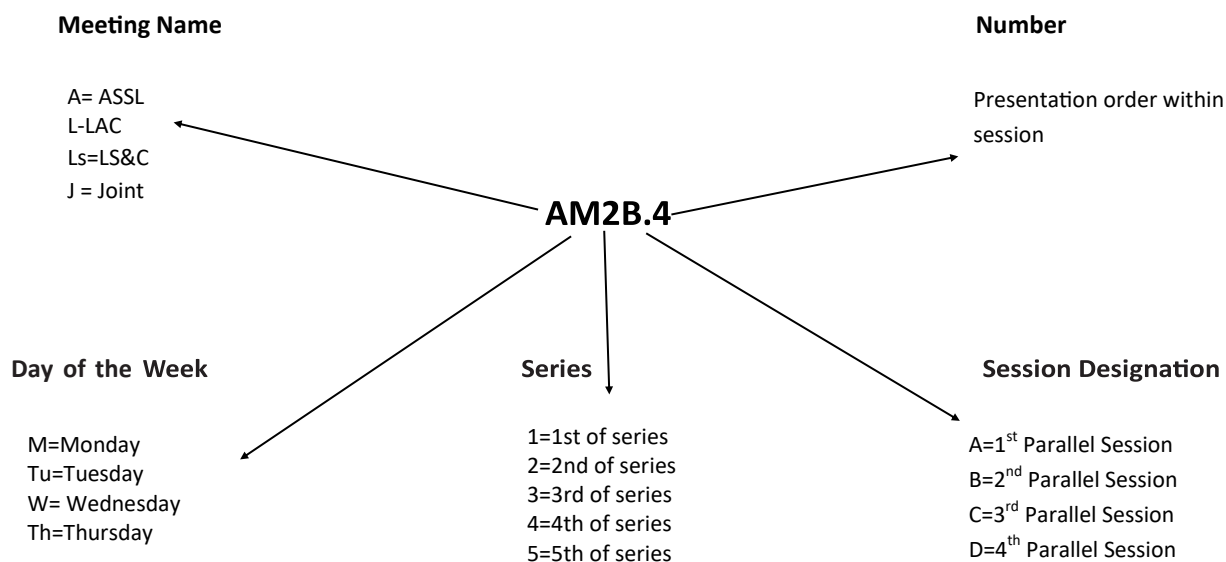


# Laser Congress and Exhibition

11-15 December 2022 - Hybrid Event - Central European Time (UTC +01:00)

Barcelona International Convention Centre, Barcelona, Spain

## Explanation of Session Codes



The first letter of the code designates the meeting. The second element denotes the day of the week . The third element indicates the session series in that day (for instance, 1 would denote the first session in that day). Each day begins with the letter A in the fourth element and continues alphabetically through the parallel session. The lettering then restarts with each new series. The number on the end of the code (separated from the session code with a period) signals the position of the talk within the session (first, second, third, etc.). For example, a presentation coded AM2B.4 indicates that this paper is being presented as part of the ASSL meeting on Monday(M) in the second series of sessions (2), and is the second parallel session (B) in that series and the fourth paper (4) presented in that session.

## Agenda of Sessions

Sunday, 11 December	
08:00—18:00	Registration, Entrance Hall, Level 0
09:00—12:00	<p><b>Short Courses:</b></p> <p>SC493: Crystalline Gain Materials for Solid-state Lasers, Room 120-121</p> <p>SC507: 3D Lidar and Applications, Room 124-125</p> <p>SC510: Ultrashort Pulse Characterization Techniques, Room 122-123</p>
14:00—17:00	<p><b>Short Courses:</b></p> <p>SC361: Coherent Mid-IR Light: Generation and Applications, Room 120-121</p> <p>SC508: Advanced Sensing Using Digital Holography, Room 124-125</p> <p>SC511: Power Scaling of Fiber Lasers, Room 122-123</p>
17:30—19:00	Congress Welcome Reception, Room 212

## Agenda of Sessions

<b>Monday, 12 December</b>			
	<b>Room 111</b>	<b>Room 119</b>	<b>Room 133</b>
	<b>Advanced Solid State Lasers</b>	<b>Laser Applications Conference</b>	<b>Lasers for Sensing &amp; Free Space Communication</b>
<b>07:00—18:00</b>	<b>Registration, Entrance Hall, Level 0</b>		
<b>08:00—09:00</b>	<b>JM1A • Joint Plenary Session I, Room 111</b>		
<b>09:00—09:15</b>	<b>Break</b>		
<b>09:15—10:15</b>	<b>AM2A • Novel Concepts</b>	<b>LM2B • Brittle Materials Processing I</b>	<b>LsM2C • Lidar &amp; Applications I</b>
<b>10:15—10:45</b>	<b>Coffee Break, Outside Room 111</b>		
<b>10:45—12:45</b>	<b>AM3A • Novel Laser Materials</b>	<b>LM3B • Brittle Materials Processing II</b>	<b>LsM3C • Lidar &amp; Applications II</b>
<b>12:45—14:00</b>	<b>JM4A • Joint Poster Session I (in-person) and Lunch in Exhibit Hall</b>		
<b>12:30—16:30</b>	<b>Exhibition Hours</b>		
<b>13:00—14:00</b>	<b>State of the Industry Panel, Show Floor Theater, Exhibit Hall</b>		
<b>14:00—16:00</b>	<b>AM5A • Optical Parametric Chirped Pulse Amplification</b>	<b>LM5B • Surface Modification &amp; Micromachining</b>	<b>LsM5C • Lidar for Autonomous Applications and Wind Measurements</b>
<b>16:00—16:30</b>	<b>Coffee Break in Exhibit Hall</b>		
<b>16:30—18:30</b>	<b>AM6A • Nonlinear Crystals and Frequency Conversion</b>	<b>LM6B • Submicron Material Processing</b>	<b>LsM6C • Lidar for Wind Measurements and Components</b>
<b>18:30—20:00</b>	<b>Student and Early Career Networking Happy Hour, Tibidabo Room, AC Hotel Barcelona Forum</b>		
<b>19:00—20:30</b>	<b>Optica Laser Systems Technical Group Special Talk &amp; Networking Event, Room 133</b>		

## Agenda of Sessions

Tuesday, 13 December			
	Room 111	Room 119	Room 133
	Advanced Solid State Lasers	Laser Applications Conference	Lasers for Sensing & Free Space Communication
07:00—18:00	Registration, Entrance Hall, Level 0		
08:00—09:00	JTU1A • Joint Plenary Session II, Room 111		
09:00—09:15	Break		
09:15—10:15	ATu2A • Lasers for Quantum Applications	LTu2B • THz Sources & Applications	LsTu2C • Speckle Effects
10:00—20:00	Exhibition Hours		
10:15—10:35	Technology Showcase: Customer-Inspired R&D Efforts at Edmund Optics, Show Floor Theater, Exhibit Hall		
10:15—10:45	Coffee Break in Exhibit Hall		
10:45—12:45	ATu3A • Infrared Laser Sources	LTu3B • Laser Shock Peening & Forming	LsTu3C • Imaging
12:45—14:00	Women in Science, Technology, Engineering and Entrepreneurship (WiSTEE) Lunch, Room 128		
12:45—14:00	Lunch Break (on your own)		
14:00—16:00	ATu4A • Ultrafast Sources I/ Femtosecond Sources	LTu4B • Laser-based Additive Manufacturing	LsTu4C • Photon Counting Lidar
14:00—17:00	End-User Workshop - Presented by Optica Corporate Membership, Room 120		
16:00—16:30	Coffee Break in Exhibit Hall		
16:30—18:30	ATu5A • Fiber Laser Sources	LTu5B • Laser-beam Delivery and Beam Manipulation of High-power Laser Beams	LsTu5C • Wavefront Sensing & Manipulation I
18:30—20:00	JTU6A • Joint Student Poster Session II (in-person) & Reception in Exhibit Hall JTU6B • Joint Student Poster Session II (virtual)		

## Agenda of Sessions

<b>Wednesday, 14 December</b>			
	<b>Room 111</b>	<b>Room 119</b>	<b>Room 133</b>
	<b>Advanced Solid State Lasers</b>	<b>Laser Applications Conference</b>	<b>Lasers for Sensing &amp; Free Space Communication</b>
<b>07:30—17:00</b>	<b>Registration, Entrance Hall, Level 0</b>		
<b>08:00—09:00</b>	<b>JW1A • Joint Plenary Session III, Room 111</b>		
<b>09:00—09:15</b>	<b>Break</b>		
<b>09:15—10:15</b>	<b>AW2A • High Energy Sources</b>		<b>LsW2C • Atmospheric Turbulence I</b>
<b>10:00—16:30</b>	<b>Exhibition Hours</b>		
<b>10:15—11:15</b>	<b>JW3A • Joint Poster Session III-A (in-person) and Coffee Break in Exhibit Hall JW3B • Joint Poster Session III-B (virtual)</b>		
<b>11:15—12:45</b>	<b>AW4A • Stimulated Scattering and Beam Combining</b>	<b>LW4B • EUV, X-Ray Generation &amp; Particle Acceleration (Ends at 13:15)</b>	<b>LsW4C • Atmospheric Turbulence II</b>
<b>12:45—14:00</b>	<b>Lunch (on your own)</b>		
<b>14:00—16:00</b>	<b>AW5A • Ultrafast Sources II/ Modelocked Lasers</b>		<b>LsW5C • Wavefront Sensing &amp; Manipulation II</b>
<b>16:00—16:30</b>	<b>Coffee Break in Exhibit Hall</b>		
<b>16:30—17:30</b>	<b>JW6A • Joint Postdeadline Paper Presentations, Room 111</b>		
<b>18:30—21:30</b>	<b>Conference Banquet, Sant Pau Recinte Modernista (Tickets Required)</b>		

## Agenda of Sessions

<b>Thursday, 15 December</b>			
	<b>Room 111</b>	<b>Room 119</b>	<b>Room 133</b>
	<b>Advanced Solid State Lasers</b>	<b>Laser Applications Conference</b>	<b>Lasers for Sensing &amp; Free Space Communication</b>
<b>07:30—14:00</b>	<b>Registration, Entrance Hall, Level 0</b>		
<b>08:00—10:00</b>	<b>ATh1A • Thermal Effects and-Spectroscopy</b>	<b>LTh1B • Defense Applications Session</b>	<b>LsTh1C • FSOC I</b>
<b>10:00—10:30</b>	<b>Coffee Break, Outside Room 111</b>		
<b>10:30—12:00</b>	<b>ATh2A • Structured Materials</b>		<b>LsTh2C • FSOC II</b>
<b>12:00—13:30</b>	<b>Lunch Break (on your own)</b>		
<b>13:30—15:30</b>	<b>ATh3A • Nonlinearly Frequency Shifted Sources</b>		<b>LsTh3C • Spectroscopy &amp; Agile Sources</b>
<b>15:30—16:30</b>	<b>Awards Ceremony and Farewell, outside Room 111</b>		

**Thank you to all the  
Committee Members for contributing many hours to  
maintain  
the high technical quality standards of Optica meetings.**

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