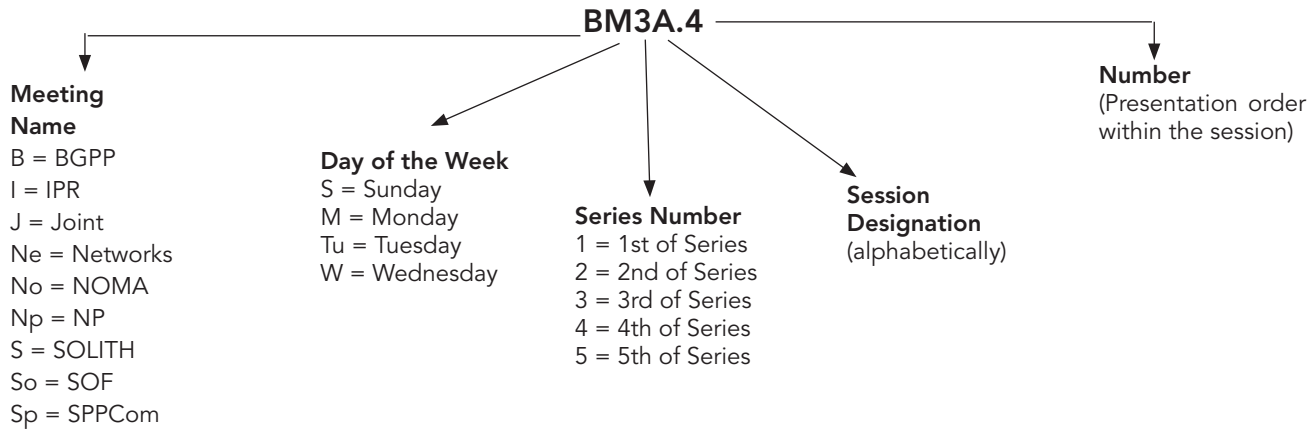
Optica Advanced Photonics Congress

26 – 30 July 2026
Hilton Long Beach
Long Beach, California, USA
An In-Person Event
Pacific Time (PDT)

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 BM3A.1 indicates that this paper is being presented as part of the BGPP meeting on Monday (M) in the third series of sessions (3), and is the first parallel session (A) in that series and the first paper (1) presented in that session.

Agenda of Sessions — Sunday, 26 July

Pacific Daylight Time (UTC -07:00)	
12:00–18:00	**Registration,** *Foyer*
13:00–17:30	**Workshop: AI as Force Multiplier in Photonics,** *International III*

Key to Conference Abbreviations

B= Bragg Gratings, Photosensitivity and Poling in Optical Materials and Waveguides (BGPP)
I = Integrated Photonics Research, Silicon and Nanophotonics (IPR)
Ne = Photonic Networks and Devices (NETWORKS)
No = Novel Optical Materials and Applications (NOMA)
Np= Nonlinear Photonics (NP)
S = Solar Energy and Light Emitting Devices (SOLED)
So= Specialty Optical Fibers (SOF)
Sp = Signal Processing in Photonic Communications (SPPCom)
J = Joint Programming

Schedule subject to change. Please check the Event App for most current schedule.

Agenda of Sessions — Monday, 27 July

Pacific Daylight Time (UTC -07:00)	International I	International III	Atlantic I & II	International IV	International II	Pacific II	International V
	BGPP	IPR	Networks	NOMA	NP	SOF	SPPCom
07:00–18:30	**Registration,** *Foyer*						
08:30–10:00	**BM1A • Fundamentals of Photosensitivity** (Starts at 09:00)	**IM1B • Integrated Receivers** (Ends at 09:30)	**NeM1C • Datacenters**	**NoM1D • Nanophotonics and Nanomaterials**	**NpM1E • Nonlinear Optical Effects in Fiber Systems**		**SpM1F • Next Generation PON**
10:00–16:30	**Exhibit Hours,** *Promenade*						
10:00–10:30	**Coffee Break with Exhibitors,** *Promenade* *Sponsored by American Elements*						
10:30–12:30	**JM2A • Introductory Remarks and Joint Plenary Session I,** *International III*						
12:30–14:00	**Congress Lunch,** *Promenade*						
14:00–16:00	**BM3A • Sensing Properties of Grating Structures**	**JM3B • Joint Session (IPR/NOMA): Novel Material Platforms for Integrated Photonics**	**NeM3C • Performance**		**NpM3E • Quantum Nonlinear Photonics: Sources, Entanglement, and Integration** (Ends at 15:30)	**SoM2F • Nonlinear Optics and Quantum Applications of SOF I**	**SpM3G • Performance Monitoring and Sensing**
16:00–16:30	**Coffee Break with Exhibitors,** *Promenade* *Sponsored by American Elements*						
16:30–18:30	**BM4A • Femtosecond Inscription of Photonic Structures**	**JM4B • Joint Session (IPR/NP): Nonlinear Effects in Integrated Waveguides and Devices**	**NeM4C • Sensing and Security**	**NoM4D • Metasurfaces and Nanophotonics**	**NpM4E • Applied Nonlinear Photonics: Sensing, Metrology, and Beam Manipulation**		**SpM4G • Digital Signal Processing and Performance Monitoring**
18:30–20:00	**Congress Reception,** *Promenade*						

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Agenda of Sessions — Tuesday, 28 July

Pacific Daylight Time (UTC -07:00)	International I	International III	Atlantic I & II	International IV	International II	Pacific II	Pacific I	International V
	BGPP	IPR	Networks	NOMA	NP	SOF	SOLITH	SPPCom
07:00–18:00	**Registration,** *Foyer*							
08:30–10:00	**BTu1A • Applications of Gratings and Poled Devices**	**ITu1B • Programmable and Tunable Integrated Photonics**	**NeTu1C • Network Operation**	**NoTu1D • Nanomaterials and Applications** (Starts at 08:45)	**NpTu1E • Kerr Combs and Micro-resonators**	**SoTu1F • Hollow Core Fibers I**	**STu1G • Thermal Photonics I**	**SpTu1H • Datacenter Interconnects**
10:00–16:30	**Exhibit Hours,** *Promenade*							
10:00–10:30	**Coffee Break with Exhibitors,** *Promenade* *Sponsored by American Elements*							
10:30–12:00	**BTu2A • Properties and Applications of Grating Structures**	**ITu2B • Hetero-geneous and Hybrid Integration**		**NoTu2C • Chalcogenide Materials**		**SoTu2D • Hollow Core Fibers II**	**STu2E • Thermal Photonics II**	**SpTu2F • High Capacity Transmission and Signal Processing I**
12:00–13:30	**Congress Lunch**, *Promenade*							
12:30–13:30	**Fiber Modeling and Fabrication Technical Group Rapid-Fire Presentations & Speed Networking,** *International III* (Open to Members Only)							
13:30–15:00	**JTu3A • Joint Poster Session,** *Promenade*							
15:00–15:30	**Coffee Break with Exhibitors,** *Promenade* *Sponsored by American Elements*							
15:30–17:00	**Industry Panel: Next Generation Scale-up and Scale-out Interconnects for AI: Photonic Component Requirements,** *International III*							
17:15–18:30	**Industry Panel: Quantum and Low-temperature Photonics: Component and Integration Requirements,** *International III*							
18:30–19:30	**Industry Engagement Event: Discussion of Challenges in Scaling,** *International III*							

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Agenda of Sessions — Wednesday, 29 July

Pacific Daylight Time (UTC -07:00)	International I	International III	Atlantic I & II	International IV	International II	Pacific II	Pacific I	International V
	BGPP	IPR	Networks	NOMA	NP	SOF	SOLITH	SPPCom
07:30–18:00	**Registration,** *Foyer*							
08:30–10:00	**BW1A • Optical Sensing Applications** (Starts at 09:00)	**IW1B • Integrated Optics for Sensing Applications**	**IW1C • Integrated Light Sources**	**NoW1D • Nanostructured Materials**	**NpW1E • Thin Film Lithium Niobate Nonlinear Photonics**	**SoW1F • Radiation Hardened and Novel Hybrid Material Fibers**	**SW1G • New Directions in LEDs and Light Sources**	**SpW1H • High Capacity Transmission and Signal Processing II**
10:00–16:00	**Exhibit Hours,** *Promenade*							
10:00–10:30	**Coffee Break with Exhibitors,** *Promenade* *Sponsored by American Elements*							
10:30–12:30	**JW2A • Joint Plenary Session II,** *International III*							
12:30–14:00	**Lunch (on your own)**							
14:00–15:30	**BW3A • Fundamentals of Fiber Bragg Gratings**	**IW3B • Chip-based Modulators and Isolators**	**IW3C • Quantum Integrated Photonics**	**NoW3D • Waveguides and Resonators**	**NpW3E • Nonlinear Frequency Conversion and Ultrafast Nonlinear Optics**		**SW3F • Solar Spectral Management**	**SpW3G • Transmission Impairments and Equalization**
15:30–16:00	**Coffee Break with Exhibitors,** *Promenade* *Sponsored by American Elements*							
16:00–18:00	**BW4A • Symposium on Ultrafast Laser Processing in Transparent Material**	**IW4B • Packaging and Out of Chip Coupling**	**IW4C • Integration Platforms**	**NoW4D • Soft Materials for Novel Applications**	**NpW4E • Nonlinear Optical Materials and Characterization**		**SW4F • Solar Photovoltaics: Light Management & Optimization**	**SpW4G • FSO/THz**

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Pacific Daylight Time (UTC -07:00)	International I	International III	International IV	International II	Pacific II	Pacific I	International V
	BGPP	IPR	NOMA/NP	NOMA	SOF	SOLITH	SPPComm
07:30–16:00	**Registration,** *Foyer*						
08:30–10:00	**BTh1A • Industrial Standardization and Applications I** (Starts at 09:00)	**ITh1B • Integrated Classical and Quantum Photonic Computing**	**JTh1C • Joint Session (NOMA/ SOLITH): Perovskite Optical Materials and Devices**	**NoTh1D • Laser Assisted Fabrication**	**SoTh1E • Sensing Applications of SOF**		**SpTh1F • Quantum Communications and Security**
10:00–10:30	**Coffee Break,** *Promenade*						
10:30–12:30	**BTh2A • Industrial Standardization and Applications II** (Ends at 12:00)	**ITh2B • Integrated Resonators and Passive Devices**	**NoTh2C • 2D Materials and Metasurfaces**	**NpTh2D • Optical Computing and Advanced Nonlinear Optics Applications**	**SoTh2E • Sensing Applications of SOF II**	**STh2F • Radiative Cooling & Solar Management**	**SpTh2G • Photonic Signal Processing**
12:30–14:00	**Lunch (on your own)**						
14:00–15:30	**PDP Session and Prize Winner Announcements,** *International III*						

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