

Optica Advanced Photonics Congress

26–30 July 2026

Hilton Long Beach

Long Beach, California, USA

An in-person event

Pacific Time (PDT)

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

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 (SOLEED)

So= Specialty Optical Fibers (SOF)

Sp = Signal Processing in Photonic Communications (SPPCom)

J = Joint programming

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

Agenda of Sessions — Monday, 27 July

Pacific Daylight Time (UTC -07:00)							
	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	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 <i>Sponsored by American Elements</i>						
10:30–12:30	JM2A • Introductory Remarks and Joint Plenary Session I						
12:30–14:00	Lunch						
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 (Ends at 15:15)	SpM3G • Performance Monitoring and Sensing
16:00–16:30	Coffee Break with Exhibitors, Promenade <i>Sponsored by American Elements</i>						
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	SoM3F • Nonlinear Optics and Quantum Applications of SOF II	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)	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 09:00)	NpTu1E • Kerr Combs and Microresonators	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 <i>Sponsored by American Elements</i>							
10:30–12:00	BTu2A • Properties and Applications of Grating Structures	ITu2B • Heterogeneous 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	Lunch (on your own)							
13:30–15:00	Industry Panel: Next Generation Scale-up and Scale-out Interconnects for AI: Photonic Component Requirements							
15:00–15:30	Coffee Break with Exhibitors, Promenade <i>Sponsored by American Elements</i>							
15:00–16:30	JTu3A • Joint Poster Session							
16:30–17:00	Industry Panel: Quantum and Low-temperature Photonics: Component and Integration Requirements							
17:00–18:00	Industry Social Engagement Event: Hot Topics in Packaging for Advanced Photonics, Room 2000A							

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Agenda of Sessions — Wednesday, 29 July

Pacific Daylight Time (UTC -07:00)	BGPP	IPR	Networks	NOMA	NP	SOF	SOLITH	SPPCom
	07:30–18:00	Registration, <i>Foyer</i>						
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, <i>Promenade</i>							
10:00–10:30	Coffee Break with Exhibitors, <i>Promenade</i> <i>Sponsored by American Elements</i>							
10:30–12:30	JW2A • Joint Plenary Session II							
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, <i>Promenade</i> <i>Sponsored by American Elements</i>							
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)							
	BGPP	IPR	NOMA/NP	NOMA	SOF	SOLITH	SPPComm
07:30–16:00	Registration, Foyer						
08:30–10:00	BTh1A • Industrial Standardization and Applications I	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	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						
14:00–16:00	PDP Session and Prize Winner Announcements						

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