

Optica Advanced Photonics Congress
28 July–01 August 2024
Centre des congrès de Québec, Québec City, Québec, Canada
An in-person event with on-demand content
Eastern Daylight Time (UTC -04:00)

Agenda of Sessions — Sunday, 28 July

EDT (UTC -04:00)	
07:00–17:30	Registration, <i>Foyer 2000</i>
07:00–17:00	IONS+Quebec, <i>Room 206B</i>
09:00–17:00	Demystifying: Machine Learning , <i>Room 2104</i> <i>Laptop Required</i>
13:30–18:00	Workshop: Convergence of Access and Metro Networks: An Architectural and Technological Perspective , <i>Room 206A</i> Part I: How Will Upcoming Optical Access Technology Shape the Access/Metro Network? 13:30–15:30 Part II: Is the DSP Envisioned for Metro Also Applicable to Access? 16:00–18:00
17:30–18:30	Advancing Pride in Photonics , <i>Room 206B</i>

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 Congress App for most current schedule.

Agenda of Sessions — Monday, 29 July

EDT (UTC -04:00)	206A	205A	2105	205C	206B	207	205B	2104
	BGPP	IPR/NP	NETWORKS	Joint SOLED/NOMA	NP/Joint NP/ IPR	SOF	IPR/NOMA	SPPCom
07:00–18:30	Registration, Foyer 2000							
08:00–10:00	BM1A • Laser Processing of Optical Glasses and Poling	IM1B • IPR Opening Session - New Horizons in Integrated and Nano Photonics	NeM1C • Quantum Networks and Secure Networks	JM1D • Radiative Cooling I (Joint SOLED/NOMA)	NpM1E • Photonic Computing and Novel Phenomena	SoM1F • Novel Fiber Materials and Tapered Fibers		SpM1G • Advanced Signal Processing
10:00–10:30	Coffee Break with Exhibitors, 2000B <i>Sponsored by American Elements</i>							
10:00–16:30	Exhibit Hours, Exhibit Hall, 2000B							
10:30–12:30	JM2A • Introductory Remarks and Joint Plenary Session I, Room 2000A							
12:30–14:00	Lunch (On Your Own) <i>Please check Congress App for nearby dining options</i>							
12:45–13:45	Optica Nonlinear Optics Technical Group Panel Discussion, Room 2104 <i>Separate registration requested</i>							
14:00–16:00	BM3A • Laser Direct Writing in Optical Materials	NpM3B • Ultrafast and Nonlinear Phenomena	NeM3C • Short Reach and Data-Center Networks	JM3D • Radiative Cooling II (Joint SOLED/NOMA)	JM3E • Quantum Photonics (Joint IPR/NP)	SoM3F • Hollow-core Fibers	NoM3H • Emerging Imaging Techniques for Biology and Materials Science (Computational Methods)	SpM3G • Coherent Technologies I
16:00–16:30	Coffee Break with Exhibitors, 2000B <i>Sponsored by American Elements</i>							
16:30–18:30	BM4A • Symposium on Optical Fiber Sensors for Extreme Environments I	IM4B • Integrated Quantum Photonics (Ends at 19:00)	NeM4C • Advanced Core Networks	JM4D • Radiative Cooling III (Joint SOLED/NOMA)	NpM4E • Integrated and Nonlinear Micro-Optics	SoM4F • Nonlinear Fiber Optics	IM4G • Passive Photonic Devices	SpM4H • Next Generation PON
18:30–20:00	Congress Reception, Room 2000BC							

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Agenda of Sessions — Tuesday, 30 July

EDT (UTC -04:00)	206A	205A	2105	205C	206B	207	205B	2104
	BGPP	IPR	NETWORKS/ NOMA	NOMA	NP	SOF	SOLED	SPPCom
08:00–18:30	Registration, Foyer 2000							
08:30–10:00	Industry Panel: Manufacturing Challenges in Advanced Photonics, Room 2000A							
10:00–10:30	Coffee Break with Exhibitors, 2000B <i>Sponsored by American Elements</i>							
10:00–16:30	Exhibit Hours, Exhibit Hall, 2000B							
10:00–12:00	JTU1A • Joint Posters Session, Room 2000B							
12:00–13:30	Choosing A Career Path in Photonics, Room 2104 <i>Separate registration required</i>							
12:00–14:00	Lunch (On Your Own) <i>Please check Congress App for nearby dining options</i>							
14:00–16:00	BTu2A • Symposium on Optical Fiber Sensors for Extreme Environments II	ITu2B • Optical Communications and Computing	NeTu2C • SDM and Multi-band Networks		NpTu2E • Applications of Nonlinear Optics	SoTu2F • Trends in Industry & Commercial Applications	STu2G • Solar Optics	SpTu2H • Next Generation PON, Fronthaul and Data Center Networks
16:00–16:30	Coffee Break with Exhibitors, 2000B <i>Sponsored by American Elements</i>							
16:30–18:30	BTu3A • Glasses & Gratings in Radiative Environment	ITu3B • Integrated Photonic Devices I	NoTu3C • Soliton Dynamics	NoTu3D • Emerging Imaging Techniques for Biology and Materials Science (Experimental Strategies)	NpTu3E • Frequency Conversion	SoTu3F • Soft Glass Fibers	STu3G • Photonic Devices	SpTu3H • Reconfigurable Materials and Devices
18:30–19:30	Industry Hot Topics Networking Event, Room 2000C							

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Agenda of Sessions — Wednesday, 31 July

EDT (UTC -04:00)	206A	205A	2105	205C	206B	207	205B	2104
	BGPP	IPR	NETWORKS	NOMA	NP	SOF	SOLED/ Joint SOLED/ NOMA	SPPCom/ NOMA
08:00–18:30	Registration, Foyer 2000							
09:00–11:00	JW1A • Joint Plenary Session II, Room 2000A							
11:00–11:30	Coffee Break with Exhibitors, 2000B Sponsored by American Elements							
11:00–16:30	Exhibit Hours, Exhibit Hall, 2000B							
11:30–13:00	Designing Foundry-Compatible Photonic Components and Circuits, Room 2000A Laptop Required							
13:00–14:30	Lunch (On Your Own) Please check Congress App for nearby dining options							
14:00–16:30	SpW2H • Quantum Communication and Computing							
14:30–16:00	BW2A • BGPP Industry Session	IW2B • Neural Network Photonics	NeW2C • ML and AI Informed Networks	NoW2D • Metasurfaces and Inverse Design	NpW2E • Integrated Nonlinear Photonics	SoW2F • Fiber Design and Modelling	SW2G • Thin-Film Applications	
16:00–16:30	Coffee Break with Exhibitors, 2000B Sponsored by American Elements							
16:30–18:30	BW3A • Mid-IR Glasses and Optical Materials	IW3B • Photonic Integrated Devices II	NeW3C • Coherent Access Networks	NoW3D • Laser Assisted Processing of Optics	NpW3E • Special Symposium: The Future of Nonlinear Photonics	SoW3F • Active Fibers, Lasers & Amplifiers	SW3G • Radiative Cooling IV & Thermophotovoltaics & Perovskites (Joint SOLED/NOMA)	NoW3H • Optical Sensors, Biosensors, and Imaging
19:00–21:00	Congress Banquet, Musée de la Civilisation Separate registration required							

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Agenda of Sessions — Thursday, 01 August

EDT (UTC -04:00)	206A	205A	2105	205C	206B	207	205B	2104
	BGPP	IPR	NETWORKS	NOMA	NP	SOF	NOMA/ SOLED	SPPCom
07:30–16:30	Registration, <i>Foyer 2000</i>							
08:00–10:00	BTh1A • Applications of FBG and Laser Written Devices	ITh1B • Novel Integrated Materials I	NeTh1C • Wireless, Transport, and Sensing in Networks	NoTh1D • Nanophotonics	NpTh1E • Frequency Combs and Spectral Broadening	SoTh1F • Fibers and Devices for Biomedical and Sensing Applications I	NoTh1G • Chalcogenides and Nonlinear Materials	SpTh1H • Coherent Technologies II
10:00–10:30	Coffee Break, <i>Foyer 2000</i>							
10:30–12:30	BTh2A • Optical Fiber Sensing	ITh2B • Novel Integrated Materials II		NoTh2C • 2D and Nanophotonic Devices	NpTh2D • Topological and Quantum Nonlinear Optics	SoTh2E • Fibers and Devices for Biomedical and Sensing Applications II	STh2F • Spectroscopy & Dynamics	SpTh2G • Signal Processing Applications
12:30–14:00	Lunch (On Your Own) <i>Please check Congress App for nearby dining options</i>							
14:00–16:00	BTh3A • FBG for Laser and Spectrometer Applications			NoTh3B • Emerging Photonic Devices	NpTh3C • Novel Nonlinear Materials	SoTh3D • Novel Fabrication & Characterization Techniques		
16:00–16:30	Coffee Break, <i>Foyer 2000</i>							
16:30–18:30	JTh1A • Joint Postdeadline Paper Presentations and Student Award Winner Announcements, Room 2000A							
18:30–19:15	Closing Toast, <i>Foyer 2000</i>							

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