Optica Advanced Photonics Congress
28 July–01 August 2024
Centre des congrès de Québec, Québec City, Québec, Canada
In-Person Congress Only

Agenda of Sessions — Sunday, 28 July

EDT (UTC - 04:00)	
07:00–17:00	**Registration,** *Foyer 2000*
07:00–17:00	**Workshop: IONS+Quebec,** *Room 2101*
09:00–17:00	**Workshop: Demystifying: Machine Learning,** *Room 2104*
13:30–18:00	**Workshop: Convergence of Access and Metro Networks: an Architectural and Technological Perspective,** *Room 2103*

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

Agenda of Sessions — Monday, 29 July

EDT (UTC -04:00)	206A	205A	2101	205C	206B	207	205B	2104
	BGPP	IPR/NP	NETWORKS	Joint SOLED/NOMA	NP/Joint NP/IPR	SOF	IPR	SPPCom
07:30–17:00	**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** *Sponsored by American Elements*							
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)**							
14:00–16:00	BM3A • Laser Direct Writing in Optical Materials	NpM3B • Ultrafast and Nonlinear Phenomena	NeM3C • Short Reach and Data-Center Neworks	JM3D • Radiative Cooling II (Joint SOLED/NOMA)	JM3E· Quantum Photonics (Joint IPR/NP)	SoM3F • Hollow-core Fibers		SpM3G • Coherent Technologies I
16:00–16:30	**Coffee Break with Exhibitors** *Sponsored by American Elements*							
16:30–18:30	BM4A • Symposium on Optical Fiber Sensors for Extreme Environments I	IM4B • Integrated Quantum Photonics	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**							

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Agenda of Sessions — Tuesday, 30 July

EDT (UTC - 04:00)	206A	205A	2101	205C	206B	207	205B	2104
	BGPP	IPR	NETWORKS	NOMA	NP	SOF	SOLED	SPPCom
08:00–17:00	**Registration,** *Foyer 2000*							
08:30–10:30	**Panel: Manufacturing Challenges in Advanced Photonics,** *Room 2000A*							
10:00–10:30	**Coffee Break with Exhibitors** *Sponsored by American Elements*							
10:00–16:30	**Exhibit Hours,** *Exhibit Hall, 2000B*							
10:00–12:00	**JTu1A • Joint Posters Session,** *Room 2000B*							
12:00–14:00	**Lunch (On Your Own)**							
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**	**NoTu2D • Emerging Imaging Techniques for Biology and Materials Science (Computational Methods)**	**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** *Sponsored by American Elements*							
16:30–18:00	**BTu3A • Glasses & Gratings in Radiative Environment**	**ITu3B • Integrated Photonic Devices I**	**NeTu3C • Soliton Dynamics**	**NoTu3D • Emerging Imaging Techniques for Biology and Materials Science (Experimental Strategies)**	**NpTu3E • Frequency Conversion**	**SoTu3F • Soft Glass Fibers**	**STu3G • LEDs and Lasers**	**SpTu3H • Reconfigurable Materials and Devices**
18:30–19:30	**Hot Topics in Packaging for Advanced Photonics,** *Room 2000A*							

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Agenda of Sessions — Wednesday, 31 July

EDT (UTC -04:00)	206A	205A	2101	205C	206B	207	205B	2104
	BGPP	**IPR**	**NETWORKS**	**NOMA**	**NP**	**SOF**	**SOLED/Joint SOLED/NOMA**	**SPPCom/NOMA**
08:00–17:00	**Registration,** *Foyer 2000*							
09:00–11:00	**JW1A • Joint Plenary Session II,** *Room 2000A*							
1:100–11:30	**Coffee Break with Exhibitors** Sponsored by American Elements							
11:00–16:30	**Exhibit Hours,** *Exhibit Hall, 2000B*							
11:30–13:00	**Industry Program: Designing Foundry-Compatible Photonic Components and Circuits,** *Room 2000A*							
13:00–14:30	**Lunch (On Your Own)**							
14:00–16:00	**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**	**SpW2H • Quantum Communication and Computing** (Ends at 16:30)
16:00–16:30	**Coffee Break with Exhibitors** *Sponsored by American Elements*							
16:30–18:00	**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 & Perovskites (Joint SOLED/NOMA)**	**NoW3H • Optical Sensors, Biosensors, and Imaging**
19:00–21:00	**Congress Banquet,** *Musée de la Civilisation*							

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Agenda of Sessions — Thursday, 01 August

EDT (UTC -04:00)	206A	205A	2101	205C	206B	207	205B	2104
	BGPP	IPR	NETWORKS	NOMA	NP	SOF/SOLED	NOMA	SPPCom
08:00–17:00	**Registration,** *Foyer 2000*							
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**							
10:30–12:30	**BTh2A • Optical Fiber Sensing**	**ITh2B • Novel Integrated Materials II**	**NeTh2C • 2D and Nanophotonic Devices**	**NoTh2D • Topological and Quantum Nonlinear Optics**		**STh2E • Fibers and Devices for Biomedical and Sensing Applications II**		**SpTh2G • Signal Processing Applications**
16:00–16:30	**Coffee Break**							
16:30–18:30	**BTh3A • FBG for Laser and Spectrometer Applications**			**NoTh3B • Emerging Photonic Devices**	**NpTh3C • Novel Nonlinear Materials**	**STh3D • Novel Fabrication & Characterization Techniques**		
19:00–20:30	**Closing Toast,** *Foyer 2000*							

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