

# OSA Advanced Photonics Congress

## 26 July 2021 – 30 July 2021

### OSA Virtual Event - Eastern Daylight/Summer Time (UTC - 04:00)

## Agenda of Sessions — Monday, 26 July

Eastern Daylight/ Summer Time (UTC - 04:00)	IPR	IPR/NETWORKS	NETWORKS	NOMA	NOMA/PVLED	SPPCOM
06:00–08:00	IM1A • Detection and Sensing I	IM1B • Optical Filters	NeM1C • Access Networks	NoM1D • Symposium on Bio-inspired Systems	NoM1E • Nonreciprocal and Topological Photonics	SpM1F • DSP Applications for Data Transmission
08:30–10:30	IM2A • Novel Fabrication Processes and Solutions I				PvM2B • Advanced PV Concepts I	
10:30–11:00	PVLED Coffee Break – Welcome					
11:00–13:00	JM3A • Plenary Session					
13:00–13:30	Meet the Plenary Speaker: <i>Shanhui Fan, Stanford University</i> and <i>Anna Fortcuberta i Morral, École Polytechnique Fédérale de Lausanne</i>					
13:30–15:00	Dedicated Exhibit Time					
16:00–18:00	IM4A • Novel Fabrication Processes and Solutions II		NeM4B • Access Networks & THz Technology	NoM4C • Metasurfaces and Polarization Control	PvM4D • Light Emitting Diodes I	
18:00–19:00	Navigating an OSA Virtual Meeting, <i>Isaiah Henkel, Cheeky Scientist, USA</i>					
20:00–22:00	IM5A • Detection and Sensing II			NoM5B • 2D Materials and Structured Thin Films		SpM5C. Neural Networks Applications for Photonic Systems

Technical Sessions are hyperlinked. Click the session title to access the appropriate virtual room.

#### Key to Conference Abbreviations

- I = Integrated Photonics Research, Silicon and Nanophotonics (IPR)
- No = Novel Optical Materials and Applications (NOMA)
- Pv = Optical Devices and Materials for Solar Energy and Solid-state Lighting (PVLED)
- Ne = Photonic Networks and Devices (NETWORKS)
- Sp = Signal Processing in Photonic Communications (SPPCom)
- J = Joint programming

# Agenda of Sessions — Tuesday, 27 July

Eastern Daylight/ Summer Time (UTC - 04:00)	IPR	IPR	NETWORKS	NOMA	PVLED/NOMA	SPPCOM
08:00–10:00	JTU1A • Joint Poster Session					
10:00–11:00	Dedicated Exhibit Time					
11:30–12:00	PVLED Coffee Break					
12:00–14:00	ITu2A • Plasmonics and Metamaterials I	ITu2B • Microresonators and Frequency Combs	NeTu2C • Advanced Optical Transmission I	NoTu2D • Phase-change and Tunable Materials	PvTu2E • Solar Concentrators	SpTu2F • DSP Applications for Optical-Wireless Transmission
14:00–15:00	LGTBQ+ & Allies Meet & Greet					
16:30–17:30	Dedicated Exhibit Time					
18:00–20:00	ITu3A • Advances in Integration Platforms I		NeTu3B • Advanced Optical Transmission II	NoTu3C • Novel Optical Fibers and Designs	NoTu3D • Quantum Meta Devices	
20:00–21:00	OSA Fiber Modeling and Fabrication Technical Group Poster Session					
21:30–23:30	ITu4A • Advances in Integration Platforms II			NoTu4B • Nanomaterials and Plasmonics	PvTu4C • Light Emitting Diodes II	SpTu4D • Photonic and Electronic Real Time Processing

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# Agenda of Sessions — Wednesday, 28 July

Eastern Daylight/ Summer Time (UTC - 04:00)	IPR	IPR	NETWORKS	NOMA	PVLED/NOMA	SPPCOM	Joint Sessions
08:00–10:00	<a href="#">IW1A • Quantum and Nonlinear Optics I</a>	<a href="#">IW1B • Advances in Optical Modulation</a>	<a href="#">NeW1C • Ultra-wideband Transmission &amp; Switching</a>	<a href="#">NoW1D • Symposium on Bio-inspired Tools I</a>	<a href="#">PvW1E • Tandem Solar Cells</a>	<a href="#">SpW1F • Microwave Photonics and Comb Generation</a>	
10:30–12:30				<a href="#">NoW2A • Nonlinear Active Materials and Devices I</a>	<a href="#">PvW2B • Symposium 40 Years of Light Management I</a>		<a href="#">JW1G • Symposium: Machine Learning Tutorials</a>
14:00–15:30	Webinar: Tactical Technical Problem Resolution						
12:30–13:00	PVLED Coffee Break – Symposium Discussion						
14:30–14:50	Technology Showcase: Integrated Photonics Workforce Development: Building a Strategic Curriculum for Ongoing Self-Paced Skilling Presented by: AIM Photonics Academy						
14:30–15:30	Dedicated Exhibit Time						
16:00–18:00	<a href="#">IW3A • Lasers and Sources</a>		<a href="#">NeW3B • Datacenter Networks</a>	<a href="#">NoW3C • Nonlinear Active Materials and Devices II</a>			<a href="#">JW3D • Symposium: Machine Learning for Materials Discovery</a>
20:00–22:00	<a href="#">IW4A • Plasmonics and Metamaterials II</a>						<a href="#">JW4B • Symposium: Machine Learning for Artificial Photonic Structures</a>

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# Agenda of Sessions — Thursday, 29 July

Eastern Daylight/ Summer Time (UTC - 04:00)	IPR	IPR	NETWORKS	NOMA	PVLED	SPPCOM	Joint Sessions
08:30–09:30	Dedicated Exhibit Time						
10:00–12:00	<a href="#">ITh1A • Quantum and Nonlinear Optics II</a>		<a href="#">NeTh1B • Quantum Networks</a>		<a href="#">PvTh1C • Symposium 40 Years of Light Management II</a>	<a href="#">SpTh1D • Impairments Compensation for Data Transmission</a>	<a href="#">JTh1E • Symposium: Machine Learning with Photonic Systems I</a>
11:45–12:30	Quantum Networks Panel Discussion: The Future of Quantum Networks						
12:00–12:30	PVLED Coffee Break – Symposium Discussion						
13:00–15:00	<a href="#">ITh2A • Quantum and Nonlinear Optics III</a>	<a href="#">ITh2B • Plasmonics and Metamaterials III</a>	<a href="#">NeTh2C • Free Space Optical Communications</a>	<a href="#">NoTh2D • Metasurfaces and Metadevices</a>	<a href="#">PvTh2E • Bifacial Solar Cells and Light Management</a>	<a href="#">SpTh2F • Constellation Shaping</a>	<a href="#">JTh2G • Symposium: Machine Learning with Photonic Systems II</a>
16:00–18:00	JTh3A • Postdeadline Session						
18:30–20:00	JTh4A • Plenary Session and Student Awards						
20:00–20:30	Meet the Plenary Speaker: <a href="#">Son Thai Le</a> , <i>Nokia Bell Labs</i>						
20:30–21:30	Dedicated Exhibit Time						

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## — Friday, 30 July

Eastern Daylight/ Summer Time (UTC - 04:00)	IPR	NETWORKS	NOMA	PVLED	SPPCOM
07:30–08:00	PVLED Coffee Break				
08:00–10:00	<a href="#">IF1A • Dynamics and Time-dependent Effects</a>	<a href="#">NeF1B • Photonic Devices for Communication</a>	<a href="#">NoF1C • Symposium on Bio-inspired Tools II</a>	<a href="#">JF1D • Joint NOMA/PVLED: Perovskites</a>	<a href="#">SpF1E • Signal Processing Applications for Data Transmission</a>
10:00–11:00	Dedicated Exhibit Time				
12:00–14:00	PR Debate - Integrated Photonics: What Didn't Work Quite as Expected				
12:00–14:00	<a href="#">IF2A • Debate - Integrated Photonics: What Didn't Work Quite as Expected</a>	<a href="#">NeF2B • Machine Learning and Network Monitoring</a>	<a href="#">NoF2C • Nanomaterials and Polymers</a>	<a href="#">PvF2D • Advanced PV Concepts II and Lasers</a>	<a href="#">SpF2E • Nonlinear Processing and Quantum Networks</a>
16:00–18:00	<a href="#">IF3A • Neuromorphic and Computational Photonics</a>		<a href="#">NoF3B • Photovoltaics and Luminescent Materials</a>		

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