

# Agenda of Sessions — Monday, 14 September

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

	FiO	FiO	FiO	FiO	FiO	LS	Quantum 2.0	Quantum 2.0
08:00–09:30	Meet OSA's Journal Editors							
08:00–10:00	FM1A • Optical Design	FM1B • Metamaterials	FM1C • High Field Physics	FM1D • Modes in Fiber Optic Communications	FM1E • Plasmonics I	LM1F • Systems for Quantum Communication		
10:00–10:30	Break						QM1A • Keynote on Quantum Computing and session on Platforms for Quantum Computing I	
10:30–12:30	Luminate Finals 2020						Keynote Speaker: Marissa Giustina, Google AI Quantum, USA (09:45–11:45)	
10:30–12:30	FM2A • Machine Learning and Optimization	FM2B • Grand Challenges for AR/VR: Optics, Systems, and Perception	FM2C • Structured Materials and Structured Light	FM2D • High Capacity Communications Techniques and Devices	FM2E • 2D Materials	LM2F • LS Dissertation Award Presentations	Break (11:45–12:00)	
11:00–19:15	Laser Science Symposium on Undergraduate Research							
12:30–13:30	FM3A • Visionary Talk Elizabeth Baron, <i>Unity Technologies, USA</i> OSA Fiber Optics Technology & Applications Technical Group Career Round Table						QM2A • Platforms for Quantum Computing II (12:00–13:30)	
12:45–13:45	Career Insights & Advice with OSA Honorary Members William (Bill) Phillips and Elsa Garmire							
13:30–15:30	FM4A • Quantum Photonics	FM4B • Near-eye Holographic Displays	FM4C • Light Matter Interaction	FM4D • Novel Optical Fibers	FM4E • Plasmonics II	LM4F • Laser Design and Characterization	Break (13:30–13:45)	
14:00–15:00	Overcoming Imposter Syndrome and Self-Doubt						JM4A • Quantum Computing and Simulation with Atoms and Ions (Joint Quantum and LS) (13:45–15:15)	QM4B • Photonics I (13:45–15:15)
15:00–17:30	OSA Advancing Mid-Managers Summit - It's Not You, It's Your Brain: Practical Neuroscience for Leadership <i>Pre-registration Required</i>							
15:30–16:00	Vision Science Virtual Coffee Break						Break (15:15–15:45)	
15:30–16:00	Break						QM5A • Quantum Computing and Simulation with Ions (15:45–16:45)	QM5B • Photonics II (15:45–16:45)
16:00–17:00	Congressional Fellowship Q&A: A Unique Career Opportunity for Scientists and Engineers						Break (16:45–17:15)	
16:00–17:30	FM5A • Quantum Optics with Atoms and Nanophotonics	FM5B • Emerging Technologies for AR/VR Displays	FM5C • Devices and Systems for Vision and Color	FM5D • General Information Display Technology	FM5E • Optical Fabrication	LM5F • Novel Frequency Comb Architectures	QM6A • Computing and Simulation I (17:15–18:15)	QM6B • Photonics III (17:15–18:15)
17:30–18:00	Break							
17:30–18:00	OSA Volunteer Engagement - OSA Technical Groups							
18:00–19:00	JM6A • Joint Poster Session IA (18:00–18:30)							
18:00–19:00	JM6B • Joint Poster Session IB (18:30–19:00)							
19:00–21:00	FM7A • Quantum Communications	FM7B • Optical Waveguides and Endoscopy	FM7C • Light Carrying Orbital Angular Momentum	FM7D • Computational/Transformation Optics and Optics in Computing	FM7E • Metasurfaces	LM7F • Frequency Combs for Metrology		

# Agenda of Sessions — Tuesday, 15 September

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

	FiO	FiO	FiO	FiO	FiO	LS	Quantum 2.0	Quantum 2.0
08:00–10:00	OIDA Roadmap Roundtable — Part 1: Quantum Communications							
08:00–09:00	JTu1A • Joint Poster Session IIA (08:00–08:30)							
	JTu1B • Joint Poster Session IIB (08:30–09:00)							
08:30–09:00	OSA Volunteer Engagement - OSA Ambassadors							
09:00–10:30	FTu2A • Accommodation and Occlusion	FTu2B • Machine Learning and Tomography	FTu2C • Laser Processing and Light-matter Interaction	FTu2D • Optical Processes in Solids	FTu2E • Detection and Photovoltaics	LTu2F • Advanced Comb Applications		
09:15–10:15	OSA Annual Business Meeting <i>Pre-registration required</i>						QTu3A • Sensing Applications and Color Centers I	
10:30–11:15	FTu3A • Visionary Talk Michael Escuti, <i>ImagineOptix, USA</i>						Keynote Speaker: Gregoire Ribordy, <i>ID Quantique, USA</i> (10:00–11:15)	
10:30–12:00	Meet the APS Physical Review Editors							
11:00–12:00	Navigating the Virtual Job Market							Break (11:15–11:30)
11:15–11:30	Break							
11:30–12:15	LTu4A • Visionary Talk: Frequency Comb Spectroscopy: Stop or Go?						QTu4A • Sensing Applications and Color Centers II	
12:15–12:30	Break						(11:30–12:30)	
12:30–13:30	FTu5A • Plenary Talk Nergis Mavalvala, <i>Massachusetts Institute of Technology, USA</i>							
13:30–15:30	FTu6A • Liquid Crystal Technologies for Near-eye Displays	FTu6B • Nano, Micro-fabrication	FTu6C • Ultrafast Optics I	FTu6D • Photonic Quantum Computing and Simulation	FTu6E • Sources and Coupling	LTu6F • Ultrafast Dynamics of Polariton Interactions	QTu6A • Sensing Applications and Color Centers III	
							(13:45–15:15)	
15:00–17:00	OSA Advancing Mid-Managers Summit - Chart Your Course: Professional, Development, Branding and Networking <i>Pre-registration required</i>							Break (15:15–15:45)
15:30–16:00	OSA Therapeutic Laser Applications Technical Group Special Talk						QTu7A • Panel: Workforce Development in Quantum Science and Technology	
	OSA Volunteer Engagement - OSA Social Media						(15:45–16:45)	
16:00–17:00	DLS Annual Business Meeting							
16:00–17:30	JTu7A • Joint Postdeadline Session						QTu8A • Quantum Poster Session I-A	
							(16:45–17:40)	
17:30–18:00	OSA Volunteer Engagement – OSA Awards and Medals						QTu8B • Quantum Poster Session I-B	
							(17:40–18:30)	
17:30–18:30	Undergraduate Labs on Quantum Key Distribution via Polarization Entanglement							
18:00–20:00	FTu8A • Innovation Showcase	FTu8B • Novel Devices and Applications	FTu8C • Nonlinear Optics	FTu8D • Machine Learning and Optimization Methods for Quantum Information	FTu8E • Novel Photonics Demonstrations	LTu8F • Biophysical and Electronic Dynamics		
20:00–21:00	OSA Integrated Photonics Technical Group Career Round Table <i>Limited space; contact tgactivities@osa.org for further information</i>							

# Agenda of Sessions — Wednesday, 16 September

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

	FiO	FiO	FiO	FiO	FiO	FiO	LS	Quantum 2.0	Quantum 2.0
08:00–10:00	FW1A • Coherence and Vector Beams	FW1B • Nanophotonics	FW1C • Quantum Emitters I	FW1D • Quantum and Non-linear Optics	FW1E • Acoustic, Spectroscopic and Optofluidic Methods	FW1F • 3D and Light-field Optics in Information Acquisition and Display Applications	LW1G • Ultrafast Dynamics of Solid State and Solar Materials		
10:00–10:45	Break							<b>QW1A • Keynote on Quantum Systems and Session on Computing and Simulation II</b> Keynote Speaker: Ignacio Cirac, Max Planck Inst. of Quantum Optics, Germany (10:00–11:15)	
10:45–11:30	Chairs Special Session I: Optics and Photonics Technologies to Combat COVID-19							Break (11:15–11:30)	
11:30–12:00	OSA Volunteer Engagement - OSA Industry								
11:30–12:15	<b>LW2A • Visionary Talk: Ultrafast Spectroscopy and Imaging of Molecules with X-ray and Quantum Light</b> Shaul Mukamel, University of California, Irvine, USA							<b>QW2A • Space Applications</b> (11:30–12:30)	
12:15–12:30	Break								
12:30–13:30	<b>JW3A • Plenary Talk: Structuring Light with Flat Optics</b> Federico Capasso, Harvard University, USA								
13:30–15:30	FW4A • Optical Activity and Orbital Angular Momentum	FW4B • Optical Physics	FW4C • Quantum Emitters II	FW4D • Microresonators	FW4E • Coherence and Interferometric Methods		LW4F • Ultrafast Science with Free Electron Lasers	<b>QW4A • Clocks and Interferometry</b> (13:45–15:15)	
								<b>Meet the Speaker:</b> Ignacio Cirac, Max Planck Inst. of Quantum Optics, Germany (15:15–15:45)	
15:30–16:00	OSA Fiber Modeling and Fabrication Technical Group Special Talk OSA Applications of Visual Science Technical Group Coffee Break							<b>QW5A • Interferometry and Communication</b> (15:45–16:45)	<b>QW5B • Computing and Simulation III</b> (15:45–16:45)
16:00–17:30	FW5A • Information Acquisition and Processing I	FW5B • Quantum Optics I	FW5C • Optomechanics	FW5D • Large Scale Photonic Integration I	FW5E • Non-linear and Ophthalmic Imaging	FW5F • Wavefront Shaping and Lidar	LW5G • High Field and Relativistic Optics	<b>QW6A • Quantum Poster Session II-A</b> (16:45–17:40)	
17:00–19:00	OIDA Roadmap Roundtable — Part 2: Quantum Sensing							<b>QW6B • Quantum Poster Session II-B</b> (17:40–18:30)	
17:30–18:30	Friends of Dorothy: LGBTQ+ & Allies Meet & Greet								
18:00–19:00	<b>JW6A • Poster Session IIIA</b> (18:00–18:30)								
	<b>JW6B • Poster Session IIIB</b> (18:30–19:00)								
18:00–19:00	Chairs Special Session II: Optics and Photonics Community Contributions to Combat COVID-19 Panel Discussion								
18:30–19:30	OSA Quantum Optical Science and Technology Technical Group 20x20 Talks								
19:00–21:00	FW7A • Information Acquisition and Processing II	FW7B • Optical Comb	FW7C • Entanglement and Sensing	FW7D • Information Processing On-chip	FW7E • Microscopic Imaging and Superresolution	FW7F • Advances in Quantum Electronics	LW7G • Ultrafast and High-field Laser Science		

# Agenda of Sessions — Thursday, 17 September

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

	FiO	FiO	FiO	FiO	FiO	FiO	LS	Quantum 2.0	Quantum 2.0
08:00–09:30	<a href="#">FTh1A • Wavefront Shaping and Holography</a>	<a href="#">FTh1B • Ultrafast Optics II</a>	<a href="#">FTh1C • Large Scale Photonic Integration II</a>	<a href="#">FTh1D • Biomarkers Detection and Plasmonics</a>	<a href="#">FTh1E • Nonlinear Effects and Processing in Fibers</a>				
09:00–10:00	OSA Nonimaging Optical Design Technical Group Special Talk								
09:30–10:00	OSA Nanophotonics Technical Group Paired Networking Session I <i>Pre-registration required</i> Vision Science Virtual Coffee Break								
10:00–11:30	<a href="#">FTh2A • Picometer-scale Metrology</a>	<a href="#">FTh2B • Ultrafast Optics III</a>	<a href="#">FTh2C • Sensing and Emission</a>	<a href="#">FTh2D • Biosensors and Photochemical Interactions</a>	<a href="#">FTh2E • Devices and Subsystems for Optical Communications</a>	<a href="#">FTh2F • Computer-generated Holography and Digital Holography</a>	<a href="#">LTh2G • Quantum Optomechanics</a>	<a href="#">QTh2A • Communication and Simulation</a>	
11:30–12:15	JTh3A • Joint Visionary Talk: Programmable Quantum Systems for Simulations, Computation and Networking <i>Mikhail Lukin, Harvard University, USA</i>								
12:15–12:30	Break								
12:30–13:30	JTh4A • Poster Session IVA (12:30–13:00)							QTh4A • Transduction and Communication	
	JTh4B • Poster Session IVB (13:00–13:30)								
13:00–13:30	OSA Volunteer Engagement - OSA Meetings							Break (13:30–13:45)	
13:30–15:30	<a href="#">FTh5A • Optical Metrology</a>	<a href="#">FTh5B • Quantum Optics II</a>	<a href="#">FTh5C • Plasmonics and Metamaterials</a>	<a href="#">FTh5D • Nanophotonics and Nanoplasmonics</a>	<a href="#">FTh5E • Free-space Optical and Radio-over-fiber Communications</a>	<a href="#">LTh5F • Attosecond Science and Novel Ultrafast Techniques (ends at 15:00)</a>	<a href="#">LTh5G • Platforms with Multiple Quantum Emitters</a>	<a href="#">QTh5A • Communication and Photonics (13:45–15:15)</a>	<a href="#">QTh5B • Metrology (13:45–15:15)</a>
15:30–16:00	OSA Nanophotonics Technical Group Paired Networking Session II <i>Pre-registration required</i>							Meet the Speaker: Mikhail Lukin, <i>Harvard University, USA</i> (15:15–15:45)	
15:45–16:45								<a href="#">QTh6A • Computing and Simulation IV (15:45–16:45)</a>	<a href="#">QTh6B • Hybrid Systems (15:45–16:45)</a>
16:45–17:40								QTh7A • Quantum Poster Session III- A (16:45–17:40)	
17:15–18:15	OSA Imaging Optical Design Technical Group Special Talk							QTh7B • Quantum Poster Session III- B (17:40–18:30)	