

Agenda of Sessions — Sunday, 6 March

	Room 6C	Room 6D	Room 6E	Room 6F	Room 7AB
09:00–12:00	SC177, SC444, SC460, SC470, SC485				
09:00–13:00	SC105, SC208, SC328, SC395, SC443, SC461, SC469				
13:00–15:30	S1A • Is Paradigm Shift from Pluggable Optics to Co-packaged Optics Inevitable in the Next Generation of Datacenters?	S1B • Will Machine Learning Replace QoT/Performance Estimation and Has it Reached the Stage of Commercial Deployment?	S1C • How Will the Future DC Infrastructure be in the Hyperconnectivity Era?	S1D • Is Optical Wireless Still Relevant for 6G or Will Fiber-radio be Enough?	S1E • Time to Face the Cost Per Bit “Crunch”: Trends and Expectations for the Next Decade
13:00–17:00	SC203, SC267, SC369, SC384, SC390, SC463				
13:30–17:30	SC452				
15:30–16:00	Coffee Break				
16:00–18:30	S2A • How Will 200G (and Beyond) per Lambda IM/DD Compete With Coherent Technology?	S2B • Can Optical Communication Infrastructure Double its Values by Introducing Fiber Sensing?	S2C • What Will the Future Machine Learning and Artificial Intelligence Systems Look Like?	S2D • What are the Prospects and Challenges for Hollow-core Fibers in Optical Communications?	S2E • Single-carrier Versus Multi-carrier for >800G Coherent Optics: A Revived Debate After a Decade
17:00–20:00	SC428, SC484				
20:00–22:00	Sp1 • Lab Automation Hackathon <i>(Room 17AB)</i>				

Short Courses are an excellent training opportunity to learn about new products, cutting-edge technology and vital information at the forefront of communications. They are offered Sunday and Monday and require an additional fee. Go to ofcconference.org/shortcourse for a list of available short courses and the format in which they will be offered.

Technical sessions are linked.

Key to Shading

Short Courses

Agenda of Sessions — Monday, 7 March

	Room 1AB	Room 2	Room 3	Room 6C	Room 6D	Room 6E	Room 6F	Room 7AB	Room 8	Room 9
08:00–10:00	M1A • Special Session: Reflections on the Pandemic I	M1B • Symposia: Optical Satellite Communications Entering a New Era Session I	M1C • DSP and Beamforming for Wireless Communications	M1D • Advanced Coherent Technology	M1E • Multi-core Fibers and Applications	M1F • Innovation for Subsea Networks	M1G • Photonic Neuromorphic Computing	M1H • Advanced Digital Signal Processing for Coherent System	M1I • Optical Logic and Memory	
08:30–12:30	SC102, SC160, SC178, SC448, SC453A, SC468, SC472, SC473, SC483, SC487									
09:00–12:00	SC261, SC341, SC359, SC433, SC450, SC465, SC486									
10:00–10:30	Coffee Break					Coffee Break				
10:30–12:30	M2A • Special Session: Reflections on the Pandemic II	M2B • Symposia: Optical Satellite Communications Entering a New Era Session II	M2C • Long-haul Transmission	M2D • High-speed Electronics and Photonics	M2E • Novel Applications of Passive Photonic Circuits	M2F • Sensing on Fibre Optic Networks	M2G • Programmable and Intelligent Photonic Information Processing	M2H • Advanced Digital Signal Processing for Direct Detection System (ends at 12:00)	M2I • Optical Signal Processing (ends at 12:15)	SpE2 • Integrated Photonics for Energy Efficient Data Centers and Computing: The ARPA-E ENLITENED Program
12:30–14:00	Lunch Break <i>(on own)</i>									
12:45–13:45	SpE3 • Optica Technical Group on Fiber Optics Technology and Applications Panel Discussion: Are Broadband Amplifiers Useful for Data Center Communication? <i>(Room 9)</i>									
13:30–16:30	SC114, SC205, SC217, SC408, SC429, SC447, SC459, SC464									
13:30–17:30	SC325, SC327, SC347, SC357, SC393, SC431, SC451, SC453B, SC454									
14:00–16:00	M3A • Symposia: Multi-access Network Leveraging Edge Computing for Energy-efficient, Ultra-reliable, and Low Latency Services Session I	M3B • Panel: Programmable Photonic Chips for Artificial Intelligence, Computing and Optical Networks	M3C • Towards THz Communications	M3D • High-speed Semiconductor Lasers	M3E • Component Optimization	M3F • Machine Learning for Network Operation (ends at 15:45)	M3G • Next-gen High-speed PON I: Advanced DSP	M3H • Ultra-high Baud Rate Systems (ends at 15:45)	M3I • Quantum and Neural Networks (ends at 15:30)	
14:00–16:15	M3Z • OFC Demo Zone									
16:00–16:30	Coffee Break									
16:30–18:30	M4A • Symposia: Multi-access Network Leveraging Edge Computing for Energy-efficient, Ultra-reliable, and Low Latency Services Session II (ends at 18:00)	M4B • SDM Transmission (ends at 18:00)		M4D • Semiconductor Lasers (ends at 18:15)	M4E • Specialty Fibers, Cables and Connectors	M4F • Open Networking and Streaming Telemetry	M4G • Next-gen High-speed PON II: Optoelectronic Subsystems (ends at 18:15)	M4H • Ultra-high Baud Rate Data Center Technologies (ends at 18:15)	M4I • Free-space Optical Communications	M4J • Passive Devices for Next Generation Transmission (ends at 18:15)

Technical sessions are linked.

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Short Courses

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Agenda of Sessions — Tuesday, 8 March

	Room 1AB	Room 2	Room 3	Room 6C	Room 6D	Room 6E	Room 6F	Room 7AB	Room 8	Exhibit Hall Theater I	Exhibit Hall Theater II	Exhibit Hall Theater III			
07:30–8:00	Plenary Session Coffee Break									Exhibit Hall Opens 10:00					
08:00–10:00	Tu1A • Plenary Session <i>(Ballroom 20BCD)</i>									MW1 • Market Watch I: State of the Industry 10:30–12:00	DCSK • Data Center Summit: Keynote 10:30–11:00	SpE14 • Conversation with the Plenary Speakers 10:15–10:45			
10:00–14:00	Exhibit Only Time														
10:30–12:00	How to (Re) Start your Career in the Midst of a Pandemic (Part 1) <i>(OFC Career Zone, Exhibit Hall)</i>														
12:15–15:30	How to (Re) Start your Career in the Midst of a Pandemic (Part 2) <i>(OFC Career Zone, Exhibit Hall)</i>														
12:00–14:00	OFC and Co-sponsors Awards Ceremony and Luncheon <i>(Ballroom 20A)</i>														
14:00–16:00	Tu2A • Symposia: Emerging Photonic Interconnects and Architectures for Femtojoule per Bit Intra Data Center Links Session I	Tu2B • Panel: What is the Role of Machine Learning in Optical Access Networks?	Tu2C • Panel: Technologies for Breaking the Metro/ Access Barrier	Tu2D • Light Source for Datacom Applications	Tu2E • Comb and Multi-wavelength Sources (ends at 15:30)	Tu2F • High Capacity Networks (ends at 15:15)	Tu2G • Optical Access for Mobile, Industry and More	Tu2H • Panel: What are the Parallelization Technologies for Cost and Energy Efficient 1.6Tb Links?	Tu2I • Integrated Photonic Subsystems	MW3 • Market Watch III: Building the Ecosystem for Converged IP/Optical Networks - Beyond 400G Pluggables 14:30–16:00	DCS1 • Data Center Summit Panel I: Scaling Data Center Interconnect 11:30–13:00	SF1 • AIM Photonics and the Next PIC Generation 11:30–12:30			
16:00–16:30	Coffee Break												DCS2 • Data Center Summit Panel II: Solving the Challenge of Moving Data Centers to the Network Edge 13:30–15:00	SF2 • The Future of PON: 25G or 50G? 13:00–14:00	
16:30–18:30	Tu3A • Symposia: Emerging Photonic Interconnects and Architectures for Femtojoule per Bit Intra Data Center Links Session II	Tu3B • Optical Subsystem Implementations	Tu3C • VLC for Indoor Applications (ends at 18:15)	Tu3D • Narrow Linewidth and Tunable Lasers	Tu3E • Raman Amplification and Frequency Comb Generation (ends at 18:00)	Tu3F • Optical Transport for 5G (ends at 18:00)	Tu3G • Novel and Emerging Networks	Tu3H • Enablers and Disrupters in Data Center and HPC (ends at 18:15)	Tu3I • Quantum Communications						SF3 • DARPA Photonics Programs 14:30–15:30
17:15–18:15	Exhibitor Reception <i>(Center Terrace)</i>														
18:30–20:00	Conference Reception <i>(Ballroom 20)</i>														
19:30–21:30	SpE5 • Rump Session: Will Quantum Always Remain Basic Research or is it Ready to Power Great Products? <i>(Room 6F)</i>										Exhibit Hall Closes 17:00				

Technical sessions are linked.

Agenda of Sessions — Wednesday, 9 March

	Room 1AB	Room 2	Room 3	Room 6C	Room 6D	Room 6E	Room 6F	Room 7AB	Room 8	Room 9	Exhibit Hall Theater I	Exhibit Hall Theater II	Exhibit Hall Theater III
06:00–07:00	Rise and Shine Run/Walk										Exhibit Hall Opens at 10:00		
07:30–08:00	Coffee Break										NOSK • Network Operator Summit Keynote 10:30–11:00 NOS1 • Network Operator Summit Panel I: Operator Investment Directions for FTTH and Access Networks 11:30–13:00 NOS2 • Network Operator Summit Panel II: Using Disaggregation as a Strategy to Modernize the Network 13:30–15:00 MW4 • Market Watch IV: The Role of Optics in Future Machine Learning Architectures 15:30–17:00	SF6 • What Makes Ethernet, Ethernet? (Ethernet Alliance) 10:30–11:30 SF7 • Deployment of 400ZR and the Ongoing OIF Work to Define 800ZR/LR 12:00–13:00 SF8 • Evolution of Optics for Mobile (MOPA) 13:30–14:30 SF10 • OpenROADM Updates and Demo 15:00–16:00 TS1 • 400Gbps Post FEC BER and Jitter Tolerance Test Presented by Anritsu Corporation 16:15–16:45	TS2 • 2.4Tb SmartPHY: Solutions for Next Generation 2.4Tb+ Line Systems Presented by Xilinx Inc. 10:15–10:45 TS3 • The Future of Coherent Optical Engines Presented by Infinera 11:00–11:30 TS4 • Optical Fiber Communication, a Key Enabler for O-RAN Presented by Anritsu Corporation 11:45–12:15 TS5 • Hybrid Integration Platform for Co-Packaged Photonics Using POET’s CMOS Based Optical Interposer Presented by POET Technologies Inc. 12:30–13:00 SF9 • Space-based Optical Communications – Unleashing the Potential of Space 14:30–15:30 SF11 • Beyond 400G – IEEE Update on Progress Towards 800 GbE and 1.6 TbE 16:00–17:00
08:00–10:00	W1A • Special Session: Network Intelligence	W1B • Panel: Progress and Roadmap in Silicon Photonics Foundries and Supply Chains	W1C • Panel: Optical Wireless Communications for Indoor Access Networks - Practical Solutions Beyond Table-top Demos	W1D • Sensing in Fibers and Networks (ends at 09:30)	W1E • Packaging and Co-packaged Optics (ends at 09:30)	W1F • Network Automation		W1G • Coherent DSP for DCI applications (ends at 09:30)	W1H • Microwave Photonics	W1I • Open Networking Summit: Open Optical Disaggregation: What the Heck is Going On?			
10:00–10:30	Coffee Break												
10:30–11:30	Tools to Take Your Career to the Next Level <i>(OFC Career Zone, Exhibit Hall)</i>												
10:30–12:30	W2A • Posters Session I												
11:30–12:30	Optica Technical Group on Optical Communications Panel Discussion: Research Lab Stories <i>(Room 9)</i>												
12:00–15:00	15-Minute one-on-one Resume Reviews <i>(OFC Career Zone, Exhibit Hall)</i>												
12:30–14:00	Exhibit Only												
14:00–16:00	W3A • Special Session: Network Evolution and Adaptation to Environmental Change Session I	W3B • Panel: The Role of Photonics for Artificial Intelligence/ Machine Learning at the Edge: What, Why and How?	W3C • High Symbol Rate and Wideband Transmission	W3D • Photodetectors, Sensing and Microwave Photonics (ends at 15:45)	W3E • Fiber Nonlinearity (ends at 15:30)	W3F • High-capacity and Flexible Networks	W3G • Machine Learning and Virtualisation in Optical Access (ends at 16:15)	W3H • Forward Error Correction (ends at 15:30)	W3I • Artificial Intelligence-enhanced Optical Wireless Systems	W3J • Doped Amplifiers in Fibers and Waveguides (ends at 15:45)			
16:00–16:30	Coffee Break												
16:30–18:15	W4A • Special Session: Network Evolution and Adaptation to Environmental Change Session II (ends at 18:00)	W4B • Advances in Optical Switching (ends at 18:30)	W4C • RoF Systems	W4D • Fiber Sensors (ends at 18:00)	W4E • Hollow-core Fibers	W4F • Emerging Network Architectures and Service (ends at 18:30)	W4G • Network Performance (ends at 18:00)	W4H • High Bandwidth Density Technologies to XPU	W4I • Machine Learning/Artificial Intelligence Methods in Transmission Systems (ends at 18:00)	W4J • Optical Parametric Amplification and its Applications	Exhibit Hall Closes 17:00		

Technical sessions are linked.

Agenda of Sessions — Thursday, 10 March

	Room 1AB	Room 2	Room 3	Room 6C	Room 6D	Room 6E	Room 6F	Room 7AB	Room 8	Room 9	Exhibit Hall Theater I	Exhibit Hall Theater II	Exhibit Hall Theater III
06:00–07:00	Rise and Relax Yoga										Exhibit Hall Opens at 10:00		
07:30–08:00	Coffee Break										MW5 • Market Watch V: Evolution of Coherent Transceiver Architectures for Specific Applications 10:30–12:00 MW6 • Market Watch VI: Building the Next Generation 3.2T Transceiver 12:30–14:00	SF12 • F5G Update: Emerging Use Cases and Demonstrations 10:30–11:30 SF14 • Hollow Core Fiber - Ready for Prime Time? 12:00–13:00 SF16 • The Edge Cloud: Descending Cloud – Ascending Edge, and What it Means for Optical Networks 13:30–14:30 TS6 • Next Generation Opto-Electronic Devices-Measurement Challenges Presented by Anritsu Corporation 14:45–15:15	SF13 • OpenZR+: Enabling High-performance Router-based Optics (OpenZR+ MSA) 11:30–12:30 SF15 • Building Open and Disaggregated Networks (TIP) 13:00–14:00
08:00–10:00	Th1A • Panel: Has the Time Come for Coherent Optics in Access Networks?	Th1B • Panel: Fiber Optic Sensor Technologies and Their Applications	Th1C • Optical Performance Monitoring and Signal Characterization	Th1D • Optical Signal Processing Devices	Th1E • Fiber and Integrated-photonics Devices (ends at 09:45)	Th1F • Network Planning and Techo-economics (ends at 09:30)	Th1G • Intelligent and Artificial Intelligence Network Architectures	Th1H • Advanced Modulation and Signal Processing	Th1I • 6G Systems and Technologies	Th1J • Thin Film and Organic Modulators			
10:00–10:30	Coffee Break												
10:00–14:00	OFC Career Zone Job Fair (Exhibit Hall)												
10:30–12:30	Th2A • Posters Session II												
12:30–14:00	Exhibit Only Time												
14:00–16:00			Th3A • Energy Efficient Subsystems for the Data Center	Th3B • Photonic Signal Processing (ends at 15:45)	Th3C • Si Photonics	Th3D • Quantum Networking and Resiliency (ends at 15:30)	Th3E • Coherent Optical Access Networks (ends at 15:45)	Th3F • Advanced Modulation Formats	Th3G • Sensing and Radar Applications (ends at 15:15)				
16:00–16:30	Coffee Break												
16:30–18:30	Postdeadline Papers (Rooms 6C, 6D, 6E, 6F)										Exhibit Hall Closes at 16:00		

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