

Agenda of Sessions — Sunday, 3 March

	Room 1	Room 6C	Room 6D	Room 6E	Room 6F
09:00–12:00	SC177, SC359, SC444, SC460, SC470 (additional fee required)				
09:00–13:00	SC105, SC328, SC341, SC384, SC395, SC432 (additional fee required)				
13:00–15:30	S1A • Optical Experiments and Testing: With or without FEC?	S1B • High Noon: Silicon Photonics vs. Rest of the World	S1C • Opportunities and Challenges for Optical Switching in the Data Center	S1D • Datacenter Optics Reliability: Can We Standardize Requirements, and Can They be Relaxed Given Redundancies and <~5-Year Lifetimes?	S1E • Will Coherent Optics Become a Reality for Intra-data Center Applications?
13:00–16:00	SC216, SC433, SC459 (additional fee required)				
13:00–17:00	SC203, SC267, SC369, SC431, SC443, SC450, SC463 (additional fee required)				
13:30–17:30	SC445, SC451, SC452 (additional fee required)				
15:30–16:00	Coffee Break, Upper Level Corridors				
16:00–18:30	S2A • Super DACs and ADCs - To Interleave or Not to Interleave	S2B • Artificial Intelligence for Data Centers Operators and Optical Network Providers - Why and When?	S2C • What is a Real Killer Application of SDM, Telecom or Non-telecom?	S2D • Which One Will Succeed in Data Center Applications, Multi-chip or Monolithic Integrated Optoelectronic Chip?	S2E • Will Advanced Direct-detection Systems Ever Be the Solution of Choice for Metro and Access Applications?
17:00–20:00	SC205, SC385, SC390, SC408, SC428 (additional fee required)				
20:00–22:00	Lab Automation Hackathon, Room 17B				

Key to Shading

 Short Courses

Agenda of Sessions — Monday, 4 March

	Room 1	Room 2	Room 3	Room 6C 	Room 6D 
08:00–10:00	M1A • Whitebox and OXC	M1B • Photonic-based Signal Processing	M1C • Advanced Photonics Technology	M1D • Symposia: Future Photonics Devices and Materials for Optical Communications 1 	M1E • Multicore Fibers and Few Mode Fibers  (Ends at 09:30)
08:30–12:30	SC102, SC160, SC178, SC357, SC446, SC453A, SC454, SC468, SC473 (additional fee required)				
09:00–12:00	SC114, SC261, SC448, SC461, SC465 (additional fee required)				
10:00–10:30	Coffee Break, Upper Level Corridors				
10:30–12:30	M2A • A.I. in Network Operation	M2B • 50G - PON and Beyond	M2C • Optical Switching for Datacenter	M2D • Symposia: Future Photonics Devices and Materials for Optical Communications 2 	M2E • Deployable Undersea and Long-haul Systems 
12:30–14:00	Lunch Break (on own)				
13:30–16:30	SC208, SC217, SC325, SC429, SC462, SC464 (additional fee required)				
13:30–17:30	SC327, SC347, SC393, SC453B, SC469, SC472 (additional fee required)				
14:00–16:00	M3A • High Bandwidth Interconnect (Ends at 15:45)	M3B • Optical Switching Technology	M3C • Fibers for Short Reach	M3D • Symposia: Future Photonics Devices and Materials for Optical Communications 3 	M3E • Quantum/Nonlinear Optical Processing 
14:00–16:30	M3Z • OFC Demo Zone, Room 6A				
16:00–16:30	Coffee Break, Upper Level Corridors				
16:30–18:30	M4A • High Speed Modulators	M4B • Probabilistic Shaping I	M4C • Nonlinear and Polarization Effects in Optical Fibers (Ends at 18:00)	M4D • Special Session: Integrated Photonics for Energy Efficient Datacenters: The ARPA-E ENLITENED Program  (Ends at 19:00)	M4E • Ligo and Lidar 

Key to Shading



Short Courses



Recorded Session

Room 6E ▶	Room 6F ▶	Room 7	Room 8	Room 9
M1F • Enabling Technologies for Data Centers ▶ (Ends at 09:45)	M1G • Symposia: 5G Trials: Vendor's Perspective ▶	M1H • Short Reach I	M1I • Nonlinearity Mitigation and Modeling (Ends at 09:30)	M1J • Optical Amplifiers (Ends at 09:45)
SC102, SC160, SC178, SC357, SC446, SC453A, SC454, SC468, SC473 (additional fee required)				
SC114, SC261, SC448, SC461, SC465 (additional fee required)				
<i>Coffee Break, Upper Level Corridors</i>				
M2F • Ultra-high Speed Devices ▶ (Ends at 12:15)	M2G • Symposia: 5G Trials: Network Operators' and Vertical Industries' Perspective ▶	M2H • Advanced Signal Processing (Ends at 12:15)	M2I • SDM Transmission I (Ends at 11:45)	M2J • Advanced Fiber and Wave Guide Sensing
<i>Lunch Break (on own)</i>				
SC208, SC217, SC325, SC429, SC462, SC464 (additional fee required)				
SC327, SC347, SC393, SC453B, SC469, SC472 (additional fee required)				
M3F • Data Center Operation ▶ (Ends at 15:30)	M3G • Symposia: 5G Trials: Public Sector Initiatives ▶	M3H • Coherent Systems for Data Centers	M3I • FSO Underwater Communications (Ends at 15:45)	M3J • Deployable Technology For Future Networks
M3Z • OFC Demo Zone, Room 6A				
<i>Coffee Break, Upper Level Corridors</i>				
M4F • Advanced Wireless Systems ▶ (Ends at 18:15)	M4G • Novel Components for Next Generation PON ▶	M4H • Open Platform Summit: Will Disaggregation Drive Core Network Deployments in 2025? (Ends at 19:00)	M4I • Transmission Technologies (Ends at 18:00)	M4J • Spectrum Efficient Networks

Agenda of Sessions — Tuesday, 5 March

	Room 1	Room 2	Room 3	Room 6C 	Room 6D 	Room 6E 	Room 6F 
07:30–08:00	Plenary Morning Coffee, Upper Level, Ballroom 20 Lobby						
08:00–10:00	OFC Plenary Session, Ballroom 20BCD						
10:00–14:00	Unopposed Exhibit-only Time, Exhibit Hall (coffee service 10:00–10:30)						
10:00–17:00	Exhibition and Show Floor, Exhibit Hall (concessions available) OFC Career Zone Live, Exhibit Hall C						
12:00–14:00	OFC and Co-Sponsors Awards and Honors Luncheon, Upper Level, Ballroom 20A						
14:00–16:00	Tu2A • High Speed Silicon Photonics I	Tu2B • Optical Solutions for 5G	Tu2C • Panel: Optical and RF Photonic Signal Processing Based on Frequency Combs	Tu2D • Symposia: Photonics for IoT and Sensing: Manufacturing, Packaging and Application 1 	Tu2E • AI in Network Operation 2 	Tu2F • Short Reach II  (Ends at 15:45)	Tu2G • Special Chairs' Session: The Role of Optics in Future Data Center and Computing Applications 1 
16:00–16:30	Coffee Break, Upper Level, Exhibit Hall						
16:30–18:30	Tu3A • Laser Driving and VCSELS (Ends at 18:15)	Tu3B • PON Standards and Developments	Tu3C • Panel: Space Photonics: Disruptive Satellite Laser Communications and Astrophotonics	Tu3D • Symposia: Photonics for IoT and Sensing: Manufacturing, Packaging and Applications 2 	Tu3E • Photonic Integrated Circuits and Novel Technology 	Tu3F • Wideband Transmission 	Tu3G • Special Chairs' Session: The Role of Optics in Future Data Center and Computing Applications 2 
17:00–18:30	Exhibitor Happy Hour, Center Terrace						
18:30–20:00	Conference Reception, Ballroom 20BCD						
19:30–21:30	Rump Session, Room 6D						

Key to Shading

■ Market Watch/Data Center Summit

 Recorded Session

Room 7	Room 8	Room 9	Exhibit Hall B, Expo Theater I	Exhibit Hall E, Expo Theater II	Exhibit Hall G, Expo Theater III
Plenary Morning Coffee, Upper Level, Ballroom 20 Lobby			Exhibit Hall Opens 10:00		
OFC Plenary Session, Ballroom 20BCD			<p>■ MW Panel I: State of the Industry– Analyst Panel 10:30–12:30</p> <p>■ MW Panel II: Market Projections for Wireline and Wireless Technologies to Support 5G 12:30–14:00</p> <p>■ MW Panel III: High Capacity Long Distance Optical Transport: Challenges and Business Reality 14:30–16:00</p>	<p>Interoperability – The Foundation of Ethernet Success <i>Ethernet Alliance</i> 10:15–11:15</p> <p>■ Data Center Summit: The importance of “Open Transport” DCI Innovations in the Evolution of Metro and Long-Haul Optical Networks 11:45–13:45</p> <p>Coherent Equivalence Beyond 400G – Milestones And Industry Guidance For Aligning Technology Roadmaps <i>Session sponsored by Juniper</i> 14:00–17:00</p>	<p>Product Showcase: Optical Intelligence <i>Huawei Technologies Canada Co., Ltd.</i> 10:15–10:45</p> <p>Simplifying Transport Network Operations with Declarative, Vendor- neutral Configuration Management <i>OpenConfig</i> 11:00–12:30</p> <p>Smart Cities Connecting Future Communities <i>IEEE Smart Cities Technical Communitis</i> 12:45–14:15</p> <p>The Disaggregated Transport Network <i>TIP</i> 14:30–15:30</p> <p>Innovation Opportunities in Transport Networks from Network Analytics and Machine-Learning <i>IEEE Future Directions</i> 15:45–17:00</p>
Unopposed Exhibit-only Time, Exhibit Hall (coffee service 10:00–10:30)					
Exhibition and Show Floor, Exhibit Hall (concessions available) OFC Career Zone Live, Exhibit Hall C					
OFC and Co-Sponsors Awards and Honors Luncheon, Upper Level, Ballroom 20A					
Tu2H • Silicon Modulator	Tu2I • Photonic Integration for Data Centers (Ends at 15:30)	Tu2J • Filters and Couplers			
Coffee Break, Upper Level, Exhibit Hall					
Tu3H • Control of Disaggregated Networks	Tu3I • Microwave Photonic Chip-scale Subsystems	Tu3J • Transmission Fibers and Cables (Ends at 18:00)			
Exhibitor Happy Hour, Center Terrace					
Conference Reception, Ballroom 20BCD					
Rump Session, Room 6D					

Agenda of Sessions — Wednesday, 6 March

	Room 1	Room 2	Room 3	Room 6C	Room 6D	Room 6E	Room 6F
07:30–08:00	Morning Coffee, Upper Level Corridors						
08:00–10:00	W1A • Panel: PIC Foundry Commercial Access: Prospects and Challenges	W1B • Comb Sources and Applications	W1C • Nonlinear Processes and Devices	W1D • Probabilistic Shaping II	W1E • Silicon Photonics Switch (Ends at 09:45)	W1F • Intra and Interdata Center Links	W1G • SDN/ NFV
10:00–17:00	Exhibition and Show Floor, Exhibit Hall (coffee service 10:00–10:30) OFC Career Zone Live, Exhibit Hall C						
10:30–12:30	W2A • Posters Session I, Exhibit Hall B						
12:30–14:00	Unopposed Exhibit-only Time, Exhibit Hall (concessions available)						
	Lunch Break (on own)						
14:00–16:00	W3A • III-IV Lasers	W3B • Novel Device Design	W3C • Fiber Lasers (Ends at 15:15)	W3D • Special Session: Quantum Technologies and Optical Communications Part 1	W3E • High Speed Silicon Photonics II	W3F • SDM Transmission II (Ends at 15:30)	W3G • Symposia: Network Automation 1
16:00–16:30	Coffee Break, Upper Level Corridors and Exhibit Hall						
16:30–18:30	W4A • Free Space Optical Communication (Ends at 18:15)	W4B • Optical Source and Signal Generation (Ends at 18:00)	W4C • Characterization of SDM Fibers (Ends at 18:15)	W4D • Special Session: Quantum Technologies and Optical Communications Part 2	W4E • Lasers on Si	W4F • All- optical Signal Processing	W4G • Symposia: Network Automation 2
17:00–19:30	Photonic Society of Chinese-Americans Workshop & Social Networking Event, Room 17B						

Key to Shading

■ Market Watch/Network Operator Summit

Recorded Session

Room 7	Room 8	Room 9	Exhibit Hall B, Expo Theater I	Exhibit Hall E, Expo Theater II	Exhibit Hall G, Expo Theater III
Morning Coffee, Upper Level Corridors			Exhibit Hall Opens at 10:00		
W1H • Panel: SDM Technology Solutions for Next Generation Submarine Transmission	W1I • Radio over Fiber	W1J • Datacenter Network Architecture	■ Network Operator Summit Keynote : 10:30–11:00 Panel 1: The Access Network– Next Generation PON, Mobile and Cable Network Upgrades 11:00–12:30 Panel 2: 5G Applications and Networks: Real- World Operator Case Studies 13:30–15:00 ■ MW Panel IV: Optical Fiber Plant Infrastructure - Technologies and Markets 15:30–17:00	COBO Ecosystem: Post Specifications Release COBO 10:15–11:45 Defining Key Areas for Industry Roadmap Development ON2020 12:00–14:00 Standardization Update on Last Mile Delivery Networks, OTN Beyond 100G and Coherent Optics Interoperability ITU 14:15–15:15 Innovations with Machine Learning in Optical Networks Drive Process Automation 15:30–17:00	Product Showcase: High Speed Transport and Ultralow Latency <i>Huawei Technologies Canada Co., Ltd.</i> 10:15–10:45 Product Showcase: Next Generation 200G/400G PAM4 Optical Interconnects Break the Barrier of Future Datacenter Bandwidths <i>ColorChip</i> 11:00–11:30 Product Showcase: How to Patent AI and Software Related Inventions in Europe? <i>European Patent Office</i> 11:30–12:00 Product Showcase: Performance Improvements of Multi-mode Fiber for Next Generation 100+ Gb/s Data-communications <i>YOFC</i> 12:00–12:30 Product Showcase: Converged Networks for 5G RAN and Broadband Services <i>Xilinx Inc.</i> 12:30–13:00 Product Showcase: Evolution and Productization of PAM4 Technology with In-house Serdes for Wireline Applications <i>Xilinx Inc.</i> 13:00–13:30 Next-generation Coherent Architectures – Pluggable vs Multi-haul, a Knockout or a Draw? <i>Session Sponsored by Acacia Communications</i> 13:30–14:30 Building the Photonic Integrated Circuit (PIC) Eco- system for the 21st Century <i>AIM Photonics</i> 15:30–17:00
Exhibition and Show Floor, Exhibit Hall (coffee service 10:00–10:30) OFC Career Zone Live, Exhibit Hall C					
W2A • Posters Session I, Exhibit Hall B					
Unopposed Exhibit-only Time, Exhibit Hall (concessions available)					
Lunch Break (on own)					
W3H • Coding and Modulation (Ends at 15:45)	W3I • Multiplexing and Multichannel Processing (Ends at 15:45)	W3J • 5G over Optical Access			
Coffee Break, Upper Level Corridors and Exhibit Hall					
W4H • Front Haul Technologies and System Metrics	W4I • Direct Detection Systems	W4J • High-speed PON (Ends at 18:00)			
Photonic Society of Chinese-Americans Workshop & Social Networking Event, Room 17B			Exhibit Hall Closes at 17:00		

Agenda of Sessions — Thursday, 7 March

	Room 1	Room 2	Room 3	Room 6C 	Room 6D 	Room 6E 	Room 6F 
07:30–08:00	Morning Coffee, Upper Level Corridors						
08:00–10:00	Th1A • Panel: Beyond 400G for Hyper-scale Data Centers	Th1B • Multicore and Multimode Amplifiers	Th1C • Terahertz/ mmWave Photonics	Th1D • Component Implementation and Equalization 	Th1E • Large-scale Optical Switch 	Th1F • 5G Fiber Wireless Technology  (Ends at 09:45)	Th1G • Security and Monitoring 
10:00–16:00	Exhibition and Show Floor, Exhibit Hall (coffee service 10:00–10:30) OFC Career Zone Live, Exhibit Hall C						
10:30–12:30	Th2A • Posters Session II, Exhibit Hall B						
12:30–14:00	Unopposed Exhibit-only Time, Exhibit Hall (concessions available)						
14:00–16:00	Th3A • Evolution of Optical Interconnects	Th3B • Detectors	Th3C • Microwave Photonic Sub- systems	Th3D • SDM Devices 	Th3E • Hollow Core Fibers 	Th3F • Coherent PON  (Ends at 15:45)	Th3G • Advanced Modulation Formats  (Ends at 15:45)
16:00–16:30	Coffee Break, Upper Level Corridors						
16:30–18:30	Postdeadline Sessions, Rooms 6C, 6D, 6E, 6F						

Key to Shading

■ Market Watch/Network Operator Summit

 Recorded Session

Room 7	Room 8	Room 9	Exhibit Hall B, Expo Theater I	Exhibit Hall E, Expo Theater II	Exhibit Hall G, Expo Theater III	
Morning Coffee, Upper Level Corridors			Exhibit Hall Opens at 10:00			
Th1H • Machine Learning for Datacenter Networks (Ends at 09:30)	Th1I • Open Systems and Interoperability	Th1J • Quantum Communication and Security	■ MW Panel V: What's After 400G Ethernet Inside the Data Center? 10:30–12:00 ■ MW Panel VI: Optical Network Management Using Cognitive Systems - Reality or Hype? 12:30–14:00	400ZR Specification Update <i>OIF</i> 10:15–11:15 The Path to Open, Interoperable Optical Networking <i>OIF</i> 11:15–12:15 How Centralized Should Centralized SDN Control and Orchestration Be? 12:45–14:15 High-volume Applications of 3-D Sensing in Consumer and Automotive Markets 14:30–16:00	Product Showcase: Network Transformation and Huawei Optical Network 2.0 <i>Huawei Technologies USA Inc.</i> 10:15–10:45 POF Symposium <i>POFTO</i> 11:00–13:00 Line Side 100Gb/s DWDM Network Solutions – Debating the Options 13:15–14:15	
Exhibition and Show Floor, Exhibit Hall (coffee service 10:00–10:30) OFC Career Zone Live, Exhibit Hall C						
Th2A • Posters Session II, Exhibit Hall B						
Unopposed Exhibit-only Time, Exhibit Hall (concessions available)						
Th3H • Panel: Network Infrastructure Virtualization and Network Slicing	Th3I • Visible Light Communication and Positioning (Ends at 15:45)	Th3J • Network Resiliency (Ends at 15:30)				
Coffee Break, Upper Level Corridors						
Postdeadline Sessions, Rooms 6C, 6D, 6E, 6F			Exhibit Hall Closes at 16:00			