Agenda of Sessions — Sunday, 24 March

	Room 2	Room 6C	Room 6D	Room 6E	Room 6F	Room 7
08:30–12:30	**SC105, SC203, SC208, SC216, SC328, SC395, SC432, SC461, SC463, SC469, SC470**					
09:00–12:00	**SC177, SC359, SC459**					
12:00–13:00	**Lunch Break** *(on own)*					
13:00–15:30	**S1A • Workshop: How Can OFC, with a Real Life Test-Bed, Accelerate Innovation in the Optical Photonic Networks?**	**S1B • Workshop: How Can Generative AI be Used for Network Operations?**	**S1C • Workshop: Multi-Fiber/Multi-Core Is Inevitable, Do We Even Need the S-Band?**	**S1D • Workshop: Are Coherent Transceivers About to Experience a Bandwidth Crunch?**	**S1E • Workshop: Co-Packaged Optics: Is it Only for the Cloud or Also for the Edge AI Services?**	**S1F • Workshop: Neural Networks for Optical Fiber Transmission: Hype or Hope?**
13:00–16:00	**SC408, SC512**					
13:00–17:00	**SC267, SC514 (new)**					
13:30–17:30	**Simulating Datacom/Telecom Applications Following Standards Specifications,** *Room 31C*					
15:30–16:00	**Coffee Break,** *Upper Level Corridors*					
16:00–18:30	**S2A • Workshop: Will Heterogeneous Integration Meet the Needs of Future Applications?**	**S2B • Workshop: Will Optical Switches Become a Key Element in High-Performance AI/ML Datacenter Networks?**	**S2C • Workshop: Which Types of Fiber Will Be the Most Suitable for Network Operators in the Near Future?**	**S2D • Workshop: Coherent Optics for Next Generation 100G/200G PON: Single-Carrier or Multi-Carrier?**	**S2E • Workshop: Will Linear Pluggable Optics (LPO) Have a Future Beyond 112G?**	**S2F • Workshop: QKD – An End-Game or Just a Stepping Stone to the Quantum Internet?**
19:00–21:00	**Hack Your Research! Tools and Tricks for Today's Telecommunications Techies,** *Room 6A*					

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.

Key to Shading

Short Courses

Agenda of Sessions — Monday, 25 March

	Room 1A	Room 1B	Room 2	Room 3	Room 6C
07:30–08:00	**Coffee Break** *(Upper Level Corridors)*				
07:30–19:00	**Optica Executive Forum at OFC 2024,** *Hilton San Diego Bayfront*				
08:00–10:00	**M1A • Fiber Sensing Devices**	**M1B • Fiber-Based Nonlinear-Optic and Optoelectronic Devices**	**M1C • Green Transformation: Where Do We Stand? I**	**M1D • High Power and Narrow Linewidth Lasers**	**M1E • DSP and Multiplexing Techniques**
08:30–12:30	**SC160, SC341, SC369, SC393, SC433, SC443, SC444, SC448, SC452, SC453A, SC454, SC473, SC483, SC487, SC513, SC525 (new), SC527 (new)**				
09:00–12:00	**SC465**				
10:00–10:30	**Coffee Break** *(Upper Level Corridors)*				
10:30–12:30	**M2A • Multi-Mode Propagation in Optical Fibers**	**M2B • Datacom: Coding and Equalization**	**M2C • Green Transformation: Where Do We Stand? II**	**M2D • VCSELs and Modulator Technologies**	**M2E • SDM Amplifiers and Multiplexers**
12:30–14:00	**Lunch Break** *(on own)*				
13:30–16:30	**SC114, SC217, SC261, SC447, SC485, SC526 (new), SC528 (new)**				
13:30–17:30	**SC325, SC327, SC347, SC357, SC384, SC431, SC451, SC453B**				
14:00–16:00	**M3A • Hybrid Integration and Packaging**	**M3B • SDM Devices and Mode Manipulation**	**M3C • Quantum Dots Lasers and Comb Generation**	**M3D • Frontiers of Optical Network Architecture Summit**	**M3E • Coherent and Direct Detect Datacenter Transmission**
14:00–16:00	**M3Z • Demo Zone,** *Room 6B*				
16:00–16:30	**Coffee Break** *(Upper Level Corridors)*				
16:30–18:30	**M4A • Silicon Photonics**	**M4B • Integrated Devices for Sensing and Metrology**	**M4C • Machine Learning and Neural Networks**	**M4D • Resilience in Access Networks**	**M4E • Data Centre and Submarine**
19:00–21:00	**Student Party,** *Coin-Op Gaslamp*				

Key to Shading

Short Courses

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Room 6D	Room 6E	Room 6F	Room 7	Room 8	Room 9
Coffee Break *(Upper Level Corridors)*					
Optica Executive Forum at OFC 2024, *Hilton San Diego Bayfront*					
M1F • Multi Band Transmission Systems	**M1G • Optical Networks for Disaggregated and Composable Computing Systems**	**M1H • Machine Learning for Estimation and Forecasting**	**M1I • Next Generation Coherent PON**	**M1J • Waveguide Mode Converters and Fiber-to-Chip Couplers**	**M1K • Distributed Sensing I**
SC160, SC341, SC369, SC393, SC433, SC443, SC444, SC448, SC452, SC453A, SC454, SC473, SC483, SC487, SC513, SC525 (new), SC527 (new)					
SC465					
Coffee Break *(Upper Level Corridors)*					
M2F • Sub-Millimeter Wave and THz Communication	**M2G • Photonic Switched Data Center Networks**	**M2H • High-Speed Transceivers and Transmission**	**M2I • Panel: The Role of Digital Twins in Optical Networking**	**M2J • Quantum Protocols, Simulations and Analysis**	**M2K • Distributed Sensing II**
Lunch Break *(on own)*					
SC114, SC217, SC261, SC447, SC485, SC526 (new), SC528 (new)					
SC325, SC327, SC347, SC357, SC384, SC431, SC451, SC453B					
M3F • Radio-Over-Fiber and 6G Access	**M3G • Panel: The Road Towards 3.2 Tb/s Intra-Data Center Communications**	**M3H • Advancement in Quantum Key Distribution Systems I**	**M3I • Transmission Optimization**	**M3J • Hollow-Core Fibers**	**M3K • Emerging Modulator Technologies**
M3Z • Demo Zone, *Room 6B*					
Coffee Break *(Upper Level Corridors)*					
M4F • Advanced Optical Communication Technologies	**M4G • ONS: Open and Disaggregated Optical Networking: Where We've Been and What's Coming Next**	**M4H • Advancement in Quantum Key Distribution Systems II**	**M4I • Panel: Wideband Optical Amplifiers for Datacenters, Hyperscale Networks and Telecom Networks**	**M4J • Integrated Optics for Communication and Sensing**	**M4K • Nonliner Transmission**
Student Party, *Coin-Op Gaslamp*					

Agenda of Sessions — Tuesday, 26 March

	Room 1A	Room 1B	Room 2	Room 3	Room 6C	Room 6D	Room 6E
07:30–08:00	**Plenary Session Coffee Break,** *Upper Level, Ballroom 20 Lobby*						
08:00–10:00	**Tu1A • Plenary Session,** *Ballroom 20*						
10:00–17:00	**Exhibition and Show Floor Programs,** *Exhibit Hall* (concessions available)						
10:00–14:00	**Exhibit-only Time,** *Exhibit Hall* (coffee service 10:00–10:30)						
10:00–16:45	**Career Zone,** *Exhibit Hall B1*						
10:30–12:00	**The Art of Writing the Perfect OFC Paper,** *6A*						
12:30–14:00	**Awards Ceremony and Luncheon,** *Upper Level, Ballroom 20*						
14:00–16:00	**Tu2A • Optical Transmission Techniques**	**Tu2B • Nonlinear Photonic Devices and Material Platforms**	**Tu2C • Quantum Components and Quantum PICs**	**Tu2D • High Speed Transmitters**	**Tu2E • Advanced Optical Fibers**	**Tu2F • Moore's Law: A Photonics Perspective for the Next Decade**	**Tu2G • Panel: Beyond Two-Core Fibers: Single-Core vs Multi-Core Amplifiers in Long-Haul SDM Links**
16:00–16:30	**Coffee Break,** *Exhibit Hall* **Elevated Coffee Break** *Sponsored by* Infinera, *Booth 4217*						
16:30–18:30	**Tu3A • CPO and Ecosystems**	**Tu3B • 6G and Emerging Applications**	**Tu3C • Quantum Information Generation, Distribution and Processing**	**Tu3D • High Speed Photodectors**	**Tu3E • High Bit Rate High Capacity Transmission**	**Tu3F • Optical Neural Networks**	**Tu3G • Panel: Cutting-Edge Technologies for Interconnecting AI/ML Clusters**
17:15–18:15	**Exhibitor Reception,** *Center Terrace*						
18:30–20:00	**Conference Reception,** *Ballroom 20BCD*						
19:30–21:30	**Rump Session: How Much Optics Does AI Need?,** *Room 6F*						

Room 6F	Room 7	Room 8	Room 9
Plenary Session Coffee Break, *Upper Level, Ballroom 20 Lobby*			
Tu1A • Plenary Session, *Ballroom 20*			
Exhibition and Show Floor Programs, *Exhibit Hall* (concessions available)			
Exhibit-only Time, *Exhibit Hall* (coffee service 10:00–10:30)			
Career Zone, *Exhibit Hall B1*			
The Art of Writing the Perfect OFC Paper, *6A*			
Awards Ceremony and Luncheon, *Upper Level, Ballroom 20*			
Tu2H • Transceiver and Transmission Impairments Mitigation	**Tu2I • Panel: Can New Access Technology and Architectures Support the Beyond 5G Network Vision**	**Tu2J • Fiber Sensing Applications I**	**Tu2K • Indoor Optical Wireless Communication**
Coffee Break, *Exhibit Hall* **Elevated Coffee Break** *Sponsored by* Infinera, *Booth 4217*			
Tu3H • Advanced Optical Subsystems	**Tu3I • Disaggregated and Software Defined Access Networks**	**Tu3J • Fiber Sensing Applications II**	**Tu3K • High Capacity Radio-over-Fiber Communication**
Exhibitor Reception, *Center Terrace*			
Conference Reception, *Ballroom 20BCD*			
Rump Session: How Much Optics Does AI Need?, *Room 6F*			

Exhibit Hall Theater I	Exhibit Hall Theater II	Exhibit Hall Theater III
Exhibit Hall Opens 10:00		
MW1 • MW Panel I: State of the Industry 10:45–12:15 **MW2 • MW Panel II: Inside the Data Center Focused on AI/ML** 12:30–14:00 **MW3 • MW Panel III: Coherent Technology Advancements to Address Next-Gen Networking Requirements** 14:15–14:45 **CISCO: Who Controls the DCO's in Routers?** 16:00–17:00	**Next Generation Optical Interconnects for AI Clusters: Beyond Linear Drive Optics** 10:45–11:45 **DCSK • Keynote** 12:00–12:30 **DCS1 • Panel I: ML/AI and Future Networks to Support it** 12:30–14:00 **DCS2 • Panel II: Lowering Power Consumption in Optical Solutions** 14:15–15:45 **Photonics in Current and Future Machine Learning Network Infrastructure** 16:00–17:00	**Conversation with the Plenary Speakers** 10:15–10:45 **MOPA: Mobile Optics (MOPA) for the 6G Era** 11:00–12:00 **Infinera: Architecture the Network for the Terabit Era and in the Shadow of Shannon** 13:00–13:30 **OFCnet Panel: Telecom Fiber Networks as the Core of the Next Generation TerraScope** 13:45–14:15 **F5G Intelligent and Green Networks towards 2030** 14:30–15:30 **OFCnet Panel: Quantum Key Distribution High-Speed Optical-Layer Encryption** 15:45–16:30
Exhibit Hall Closes 17:00		

Agenda of Sessions — Wednesday, 27 March

	Room 1A	Room 1B	Room 2	Room 3	Room 6C	Room 6D	Room 6E
06:00–07:00	**OFC Fun Run,** *San Diego Convention Center Front Entrance*						
07:30–08:00	**Coffee Break,** *Upper Level Corridors*						
08:00–10:00	**W1A • Integrated Filters for Communication Systems**	**W1B • Monitoring and Sensing**	**W1C • Network Control and Orchestration**	**W1D • Doped Fiber Amplifiers and High Power Laser**	**W1E • Digital Subsystems for SDM and SCM Transmissions**	**W1F • Optical Computing and Memory**	**W1G • Panel: Next Generation Disaggregated Data Centers Using Future Chip to System Photonic Technologies**
10:00–17:00	**Exhibition and Show Floor Programs,** *Exhibit Hall,* (coffee service 10:00–10:30)						
10:00–16:30	**Career Zone,** *Exhibit Hall B1*						
10:30–12:30	**W2A • Posters Session I, In-Person,** *Exhibit Hall B1* **W2B • Posters Session II, Remote,** *eGallery on OFC website* **Lunch Break** *(on own; concessions available in Exhibit Hall)*						
12:30–14:00	**Exhibit-only Time,** *Exhibit Hall* **The Journal Review Process: All You Need to Know!,** *Room 6A*						
12:45–13:45	**Challenges and Solutions for Realizing Quantum Fiber-Based Networks,** *Room 3*						
14:00–16:00	**W3A • Transmitters and Recievers**	**W3B • Optical Signal Processing**	**W3C • Network Planning and Operation**	**W3D • Laser Stabilization and Comb Sources**	**W3E • Embracing Fiber Sensing: What's the "Killer App" for Large-Scale Deployments? I**	**W3F • Submarine Long-Haul and Repaterless Transmission**	**W3G • Coherent DWDM pluggables**
16:00–16:30	**Coffee Beak,** *Upper Level Corridors and Exhibit Hall* **Elevated Coffee Break** *Sponsored by* Infinera, *Booth 4217*						
16:30–18:30	**W4A • THz Processing and Communications**	**W4B • FSO for Turbulent and Underwater Channels**	**W4C • Coding and Modulation**	**W4D • Amplifier Architecture for Data Transmission**	**W4E • Embracing Fiber Sensing: What's the "Killer App" for Large-Scale Deployments? II**	**W4F • Optical Architectures and Subsystems for Accelerating ML/AI Applications**	**W4G • Space Communication**
17:00–19:00	**Photonics Society of Chinese (PSC) Heritage Workshop and Networking Social,** *Room 15*						

Room 6F	Room 7	Room 8	Room 9	Exhibit Hall Theater I	Exhibit Hall Theater II	Exhibit Hall Theater III
OFC Fun Run, *San Diego Convention Center Front Entrance*				**Exhibit Hall Opens at 10:00**		
Coffee Break, *Upper Level Corridors*				**NOSK • Network Operator Summit: Keynote** 10:15–10:45 **NOS1 • NOS Panel I: Optical Network Automation** 10:45–12:15 **NOS2 • NOS Panel II: Optics for 5G/6G** 12:30–14:00 **MW4 • MW Panel IV: Next Generation PON Technologies** 14:15–15:45 **Coherent Optics Unleashed: From 400ZR Success to 800ZR/LR Advancements and 1600ZR Kick-off** 16:00–17:00	**Ethernet Interconnect Solutions: Will The Advancement in Coherent Signaling Leverage DataCom Connect** 10:15–11:15 **CableLabs: Empowering Access Networks with Coherent Optics** 11:30–12:30 **ITU-T SG15 - Standards Update on Higher Speed PON, Latest OTN Technologies and Interoperable Optical Interfaces** 12:45–13:45 **IOWN GF's Open APN for the Evolution of Mobile Networks and Cloud-and-Edge Computing** 14:00–15:00 **Amphenol: Exploring the Role of Interconnects in Energy Efficient Data Centers** 15:15–16:15	**Open XR Optics Forum: Open XR Optics Forum Update** 10:15–10:45 **OFCnet Panel: Quantum Entanglement and Quantum Memory for Next Generation Quantum Networks** 11:00–11:45 **OFCnet Panel: Beyond Point-to-Point Quantum Key Distribution** 12:00–12:45 **OFCnet Panel: Software Define Infrastructures** 13:00–13:30 **Open ROADM MSA Updates and Demonstration** 13:45–14:45 **ATOP: The Road to 200G per Lane** 15:45–16:15
W1H • Short-Reach Transmission	**W1I • Panel: Photonic Components for In-Physics Computing**	**W1J • Access, Metro and Mobile Convergence**	**W1K • Photonic Integration and Integrated Receivers**			
Exhibition and Show Floor Programs, *Exhibit Hall,* (coffee service 10:00–10:30)						
Career Zone, *Exhibit Hall B1*						
W2A • Posters Session I, In-Person, *Exhibit Hall B1* **W2B • Posters Session II, Remote,** *eGallery on OFC website* **Lunch Break** *(on own; concessions available in Exhibit Hall)*						
Exhibit-only Time, *Exhibit Hall* **The Journal Review Process: All You Need to Know!,** *Room 6A*						
Challenges and Solutions for Realizing Quantum Fiber-Based Networks, *Room 3*						
W3H • Large Capacity Interconnect	**W3I • Panel: Role of Optics for Space Communication**	**W3J • Multi-Core Fiber Design and Transmission Characteristics**	**W3K • PICs for Quantum Communication and Quantum Computing: Challenges and Opportunities I**			
Coffee Beak, *Upper Level Corridors and Exhibit Hall* **Elevated Coffee Break** *Sponsored by* Infinera, *Booth 4217*						
W4H • Datacom Modulation and Linear Transceivers	**W4I • AI-Based Automation**	**W4J • Multi-Core Fiber Characterization and Connection**	**W4K • PICs for Quantum Communication and Quantum Computing: Challenges and Opportunities II**			
Photonics Society of Chinese (PSC) Heritage Workshop and Networking Social, *Room 15*				**Exhibit Hall Closes at 17:00**		

Agenda of Sessions — Thursday, 28 March

	Room 1A	Room 1B	Room 2	Room 3	Room 6C	Room 6D	Room 6E
07:30–08:00	**Coffee Break,** *Upper Level Corridors*						
08:00–10:00	**Th1A • Programmable Circuits/Switches and Control Technologies**	**Th1B • Datacom: VCSELs, Multi-Lambda Sources, Spatial Multiplexing**	**Th1C • Wireless and Access Quantum Networks**	**Th1D • Integrated Nonlinear-Optical Devices and Amplifiers**	**Th1E • Advanced PON Technology**	**Th1F • Optical Methods and Sensing**	**Th1G • Open Line Systems and Digital Twins**
10:00–16:00	**Exhibition and Show Floor Programs,** *Exhibit Hall, (coffee service 10:00–10:30)*						
10:00–15:45	**Career Zone**, *Exhibit Hall B1*						
10:30–12:30	**Th2A • Posters Session III, In-Person,** *Exhibit Hall B1* **Lunch Break** *(on own; concessions available in Exhibit Hall)*						
12:30–14:00	**Exhibit-only Time,** *Exhibit Hall*						
14:00–16:00		**Th3B • Practical Security Demonstration**	**Th3C • Free Space Optical Communication**	**Th3D • Photonic Integration for Novel Applications**	**Th3E • MCF Based Transmission**	**Th3F • Sub-THz and mm-wave Signal Processing**	**Th3G • Optical Computing and Accelerators**
16:00–16:30	**Coffee Break,** *Upper Level Corridors*						
16:30–18:30	**Postdeadline Paper Sessions,** *Room 6C, 6D, 6E, 6F*						

Room 6F	Room 7	Room 8	Room 9
Coffee Break, *Upper Level Corridors*			
Th1H • MMF Based Transmission	**Th1I • Next Generation ROADMs, Multiband and SDM Networking**	**Th1J • Short-Reach Transmission Systems**	
Exhibition and Show Floor Programs, *Exhibit Hall, (coffee service 10:00–10:30)*			
Career Zone, *Exhibit Hall B1*			
Th2A • Posters Session III, In-Person, *Exhibit Hall B1* **Lunch Break** *(on own; concessions available in Exhibit Hall)*			
Exhibit-only Time, *Exhibit Hall*			
Th3H • Photonics Manufacturing Technologies	**Th3I • Survivability and Fault Management**	**Th3J • Machine Learning DSP**	
Coffee Break, *Upper Level Corridors*			
Postdeadline Paper Sessions, *Room 6C, 6D, 6E, 6F*			

Exhibit Hall Theater I	Exhibit Hall Theater II	Exhibit Hall Theater III
Exhibit Hall Opens at 10:00		
MW5 • MW Panel V: Disaggregation Inside the DC 10:15–11:45 **MW6 • MW Panel VI: Disaggregation for Network Operators** 12:00–13:30 **Energy Efficient Interfaces - Reining in Power Consumption Trends for Next-Generation Optical Networking** 13:45–14:45 **An Ecosystem Perspective on Scaling Integrated Photonics for the AI Revolution** 15:00–16:00	**Low-Latency High-Speed Optical Interconnection Technologies for AI Compute Era** 11:30–12:30 **AIM Photonics Presents PICs, Heterogeneous Integration, and Packaging for Next-Generation Silicon Photonic Applications** 12:45–13:45 **Meeting Rural Broadband Needs with High Capacity PON** 14:00–15:00	**OFCnet Panel: Optical Benchmarks** 11:00–11:30 **OFCnet Panel: Optical Infrastructures and Services** 11:45–12:15 **Current State and Future of Thin-Film Lithium Niobate Photonics** 14:45–15:45
Exhibit Hall Closes at 16:00		