

Technical Conference Program

Leap Forward with Breakthrough Research,
Trends and Solutions

OFC

The future of optical networking
and communications

Technical Conference

05 - 09 March 2023

Exhibition

07 - 09 March 2023

San Diego Convention Center
San Diego, California, USA

ofcconference.org

Get the Latest Advancements

Attend the Premier Event in Telecom and Data Center Optics.

OFC is the world's largest conference and exhibition for optical communication and networking professionals. The program is comprehensive – from research to marketplace, from components to systems and networks, from technical sessions to the exhibition.

The technical conference is planned as a hybrid event, comprised of in-person and virtual programming.

The Technical Conference – Hear the Latest Research

The five-day technical conference features peer-reviewed presentations and more than 120 invited speakers, the thought leaders in the industry presenting the highlights of emerging technologies. Additional technical programming throughout the week includes symposia, in-depth tutorials, workshops, panels and the thought-provoking rump session.

Experience OFCnet

OFC's high-speed optical network, OFCnet, will enable select demonstrations of networking products, solutions and architectures. This live network will showcase emerging technologies including quantum networking, network element interoperability, SDN and programmability, and networking for big data/big science applications.

Take a Training Course

Learn from the experts about important topics in the industry. There are 50 Short Courses to choose from. Short Courses are presented in person only.

The Exhibition – See the Latest Technologies

The show floor is buzzing with new product announcements and what's trending in the market. Stay current on all the latest products and innovative solutions.

Attend Educational Programs on the Show Floor

Three theaters feature Market Watch, the Network Operator Summit, the Data Center Summit and more than 15 additional show floor programs that cover market trends, new technologies and insight into the future. Panels of experts from global brands and key industry organizations provide high-level takes on the state of the industry, hot topics and perspectives on current and future challenges and solutions.

Connect at OFC Special Events

- Conference Reception
- IEEE/Optica Publishing Group Journal of Lightwave Luncheon
- Technology 40th Anniversary Luncheon
- International Women's Day Breakfast
- Hack Your Research! Tools and Tricks for Today's Telecommunications Techies
- OFC Mentor/Mentee Meet-Up
- OFC and Co-Sponsors Awards Ceremony and Luncheon
- Rise and Shine Morning Run/Walk
- The Art of Writing the Perfect OFC Paper
- The Journal Review Process: All You Need to Know!

Register Today

Be part of the event that brings together the people, products and information that drive optical networking and communications.

Schedule – Conference and Exhibition

All times reflect Pacific Time Zone.

	Sunday, 05 March	Monday, 06 March	Tuesday, 07 March	Wednesday, 08 March	Thursday, 09 March
Programming					
Short Courses	08:30 – 17:00	08:30 – 17:30			
Workshops	13:00 – 18:30				
Lab Automation Hackathon	19:00 – 21:00				
Technical Sessions		08:00 – 18:30	14:00 – 18:30	08:00 – 18:30	08:00 – 16:00
Demo Zone		14:00 – 16:15			
Open Networking Summit				16:30 – 18:30	
Plenary Session			08:00 – 10:00		
Rump Session			19:30 – 21:30		
Poster Sessions				10:30 – 12:30	10:30 – 12:30
Postdeadline Papers					16:30 – 18:30

Exhibition and Show Floor Programs

Exhibition			10:00 – 17:00	10:00 – 17:00	10:00 – 16:00
Exhibit-Only Time			10:00 – 14:00	12:30 – 14:00	12:30 – 14:00
Market Watch - Expo Theater I			10:30 – 15:30	14:45 – 16:15	10:30 – 14:00
Network Operator Summit - Expo Theater I				10:15 – 14:30	
Data Center Summit - Expo Theater II		12:15 – 16:15			
Expo Theater II & III			10:15 – 17:00	10:15 – 17:00	10:15 – 16:00
Career Zone			10:00 – 17:00	10:00 – 17:00	10:00 – 16:00

Special Events

Awards Ceremony & Luncheon			12:00 – 14:00		
Conference Reception			18:30 – 20:00		

The schedule is subject to change.

Schedule – Short Courses

Sunday, 05 March		
08:30 - 12:30	SC105	Modulation Formats and Receiver Concepts for Optical Transmission Systems
	SC203	400 Gb/s and Beyond Optical Communication Systems, Design and Design Trade-offs
	SC208	Optical Fiber Design for Telecommunications and Specialty Applications
	SC328	Standards for High-Speed Optical Networking
	SC395	Modeling and Simulation of Optical Transmitter and Receiver Components for Coherent Communications
	SC432	Hands on: Silicon Photonics Component Design & Fabrication
	SC443	Optical Amplifiers From Fundamental Principles to Technology Trends
	SC461	High-capacity Data Center Interconnects for Cloud-scale Networking
	SC463	Optical Transport SDN Architectures, Applications, and Actual Implementations
	SC469	Hands on: Laboratory Automation and Control Using Python (Beginner)
	SC470	Secure Optical Communications
09:00 - 12:00	SC177	High-speed Semiconductor Lasers and Modulators
	SC216	An Introduction to Optical Network Design and Planning
	SC444	Optical Communication Technologies for 5G and F5G SC105 - Modulation Formats and Receiver Concepts for Optical Transmission Systems
13:00 - 16:00	SC447	The Life Cycle of an Optical Network From Planning to Decommissioning
	SC512	NEW: Modern Subsea Cable Systems
13:00 - 17:00	SC267	Silicon Microphotonics Technology Elements and the Roadmap to Implementation
	SC384	Background Concepts of Optical Communication Systems
	SC514	NEW: FEC Techniques for Optical Communications
Monday, 06 March		
08:30 - 12:30	SC102	WDM in Long-Haul Transmission Systems
	SC160	Microwave Photonics
	SC341	Sub-carrier Modulation and Superchannels for Terabit-class DWDM Transceivers
	SC369	Test and Measurement for Signals with Complex Optical Modulation

Monday, 06 March (continued)		
	SC433	Introduction to Photodetectors and Optical Receivers
	SC448	Evolving Software Defined Optical Network Architecture and Design Principles
08:30 - 12:30	SC452	FPGA Prototyping for Optical Subsystems
	SC453A	Hands on: Fiber Optic Handling, Measurements, and Component Testing
	SC454	Hands on: Silicon Photonics Design - Circuits
	SC472	Hands on: Controlling and Monitoring Optical Network Equipment
	SC473	Photonic Switching Systems
	SC483	Machine Learning in Optical Networks
	SC487	Hands on: Laboratory Automation and Control using Python (Advanced)
	SC513	NEW: Data Center Short Links - Link Design, Modeling, Test and Measurements
09:00 - 12:00	SC359	Networking for Datacenters and Machine Learning
	SC450	Design, Manufacturing, and Packaging of Opto-Electronic Modules
	SC465	Transmission Fiber and Cables
13:30 - 16:30	SC114	Technologies and Applications for Passive Optical Networks (PONs)
	SC217	Applications of Radio-over-Fiber Technologies Including Future 5G Networks
	SC408	Space Division Multiplexing for Optical Communication Systems and Networks
	SC459	Multimode Photonic Devices, Characterization and Applications
	SC485	Advanced Fiber Access Networks
13:30 - 17:30	SC261	ROADM Technologies and Network Applications
	SC325	Highly Integrated Monolithic Photonic Integrated Circuits
	SC327	Modeling and Design of Long-Haul Fiber-Optic Communication Systems
	SC347	Reliability and Qualification of Fiber-Optic Components
	SC357	Circuits and Equalization Methods for Coherent and Direct Detection Optical Links
	SC393	Digital Signal Processing for Coherent Optical Transceivers
	SC431	Photonic Technologies in the Data Center
	SC451	Optical Fiber Sensors
	SC453B	Hands on: Fiber Optic Handling, Measurements, and Component Testing

Special Sessions

Plenary Speakers

The plenary speakers at OFC typically include an industrial leader and a research leader, both covering topics related to the technical core of the conference, and a visionary speaker linking topics outside OFC's focus to the conference.



Patricia Obo-Nai
Chief Executive Officer,
Vodafone Ghana, West Africa

Harnessing Digitalization for Effective Social Change

Digitalization is a potent driver of progress in the modern world, particularly in Africa. The increased use of mobile phones has given it the momentum it needs across Africa. However, much more work is required. This talk will touch on what needs to be done to ensure that everyone, especially the most vulnerable, reaps the benefits of the global digital movement.



Jayshree V. Ullal
President and Chief
Executive Officer, *Arista Networks*

The Road to Petascale Cloud Networking

As the future application demands and compute performance evolve, the network needs to adapt for exponential growth in traffic, connecting tens of thousands of processors with Petabits of bandwidth. As a pioneer in cloud networking, Arista has become synonymous with elastic scaling and programmable provisioning delivering modern data-driven platforms. Arista believes Moore's law is alive and will enable next-generation 100-Terabit switching and multi-terabit optics. A networking and Silicon Valley veteran, Jayshree Ullal will discuss the trends, evolution,

and impact of petascale and AI-driven networking technologies ahead.



Wendell P. Weeks
Chairman and Chief
Executive Officer, *Corning Incorporated, USA*

Capacity to Transform

This presentation will highlight the industry's growth drivers and breakthrough innovations in product and process, and the importance of connecting the unconnected with glass thinner than a human hair. Mr. Weeks will also share how optical fiber, invented more than 50 years ago, is contributing to greener solutions – benefiting our shared and more sustainable future.

Symposia

Beyond the Hype of Network Analytics: Use Cases, Feasibility, and Barriers

This symposium will specifically aim to identify, beyond the hype, the main optical network analytics use cases, their feasibility, barriers, and related R&D efforts. Invited speakers from data center operators, telecom networks, system and technology providers and academia will review the advancements and debate the important next steps.

Quantum Information and Optical Communication Networks: Emerging Research Areas, Challenges and Opportunities

Session I will provide broad overviews of emerging research areas in quantum for optical communications. Topics covered may include quantum enhanced security technologies in optical transmission systems, wavelength conversion and quantum computer/memory interfaces, quantum repeater network architectures for multi-partite entanglement distribution and

teleportation, and quantum sensor networks and distributed quantum applications.

Session II will go into greater depth on specific research problems within the broad areas discussed in Session I. Talks will include areas such as measurement device independent quantum key distribution and novel security architectures, specific quantum memory technologies and architectures for quantum repeaters, quantum network routing algorithms, long baseline interferometry or similar quantum enhanced sensor networks, and error correction coding for quantum optical communications.

The Crucial Role of Photonics in Achieving the United Nation's Sustainability Development Goals (SDGs): Learnings and Opportunities

Crucial to meeting the UN SDGs in a timely manner, it is imperative that future optical communication systems and networks are integrated in the society ensuring environmental sustainability as they evolve. This symposium aims to: (a) reflect on the smart city predictions made by OFCity 2015 competition teams towards sustainability, (b) discuss related recent R&D efforts and future opportunities towards achieving SDGs from data center network operators, telecom network operators, system and technology providers, and academia and (c) highlight next steps for the OFC community to focus on in the next years.

Special Sessions

High Performance Networks for Future Data Center and Computing Applications

This session will discuss emerging trends in the design and build of networks that can scale AI supercomputers without exploding the overall power consumption and cost. Focusing on challenges and

opportunities for photonics, topics covered may include: (1) Composable systems with disaggregated resources (GPUs, CPUs, storage/memory) being co-located as a pool that is accessed via a local network, (2) reconfigurable network topologies to provision bandwidth on demand.

Ultra-Stable Frequency Sources and their Future Applications in Telecom

Optical fiber communications has resulted in commodity technologies including optical fiber and other components, that have also benefited other disciplines. Now, the outcomes of these other disciplines in-turn can benefit fiber communications. The objective of this session is to bring together researchers from the distinct disciplines of fiber communications, environmental sensing, precision metrology and spectroscopy, atomic clocks and stabilized lasers and quantum sensing, to bridge communications between these different areas and explore common research grounds and solutions.

Photonics for Visible Wavelengths

This session will begin by covering mature and emerging applications of visible light photonics, why visible light is needed and the benefits compared to working in the more traditional telecommunication range. It will also explain how mature the current applications are and what systems, if any, are used in the field. It will also cover the state of the art of visible light devices such as lasers, detectors and fibers, as well as foundry processes and packaging needs. The session will also highlight the outstanding needs in this emerging field.

Rump Session

Is the Silicon Photonics Platform about to be Standardized, Diversified or Supplanted?

Tracks and Topic Categories

OFC features an exciting roster of invited speakers and tutorial speakers to anchor the technical sessions. These experts have been carefully chosen by subcommittees of over 150 volunteers representing the 15 topic categories. They have also put together a thought-provoking program of 11 interactive workshops designed to stimulate debate and discussion on time-critical topics. Short Courses provide training from a distinguished faculty to expand your knowledge and advance your career.

The technical program and Short Courses are organized by topic category.

TRACK D: Devices, Optical Components and Fiber		PAGE
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D3	Active components	8
D4	Fibers and propagation physics	9
D5	Fiber devices, fiber lasers and amplifiers, and nonlinear waveguides	9
TRACK S: Systems and Subsystems		
S1	Datacom subsystems and systems	10
S2	Transmission subsystems	11
S3	Transmission systems	11
S4	Optical processing, microwave and fiber-sensing	12
S5	Free-space (FSO), ranging (LIDAR), and radio-over-fiber (RoF)	13
TRACK N: Networks and Services		
N1	Advances in development of systems, networks and services	14
N2	Optical networking for data center and computing applications	15
N3	Architectures and software-defined control for metro and core networks	16
N4	Optical access networks for fixed and mobile services	16
N5	Market Watch, Network Operator Summit and Data Center Summit (Invited Program Only)	17
SC-Q: Quantum devices, systems and networking		

TRACK D: DEVICES, OPTICAL COMPONENTS AND FIBER

D1: Advanced prototyping, packaging and integration

Invited Speakers

Mehdi Asghari, *SILC Technologies, Inc., USA*

FMCW Lidar

Jeffrey Driscoll, *Rockley Photonics, USA*
Pioneering Silicon Photonics for Wearable Sensors

Vikrant Lal, *Infinera Corporation, USA*
Monolithically Integrated InP-Based Transceiver Photonic ICs for 800G Solutions

Hong Liu, *Google LLC, USA*
Mission Apollo: Landing Optical Circuit Switching at Datacenter Scale

Rebecca Schaevitz, *Broadcom Corporation, USA*
Advanced Photonic Packaging and CPO

Xingjun Wang, *Peking University, China*
Integrated Comb-Driven Silicon Photonics

Xiang Zhou, *Google LLC, USA*
State of Art of 800G/1.6T for Datacom and Coherent and Outlook of 3.2T

Tutorial

Jon Aday, *Amkor Technology, USA*
Advanced 2.5D/3D Packaging in OSAT

Panels

1.6Tb/s+ Intra-DC Networks

LiDAR Systems and Technologies with Integrated Photonics

Workshop

Where are the Boundaries Between IM-DD and Coherent?

Short Courses

SC261 ROADM Technologies and Network Applications
Thomas Strasser, *Molex, USA*

SC347 Reliability and Qualification of Fiber-Optic Components

David Maack, *David Maack Consulting, USA*

SC357 Circuits and Equalization Methods for Coherent and Direct Detection Optical Links

Alexander Rylyakov, *Nokia, USA* and
Sudip Shekhar, *University of British Columbia, Canada*

SC359 Networking for Datacenters and Machine Learning

Hong Liu and Ryohei Urata, *Google, USA*

SC431 Photonic Technologies in the Data Center

Clint Schow, *University of California, Santa Barbara, USA*

SC450 Design, Manufacturing, and Packaging of Opto-Electronic Modules

Peter O'Brien, *Tyndall National Institute, Ireland*
Yoichi Taira, *Keio University, Japan*

D2: Passive components

Invited Speakers

Tao Chu, *Zhejiang University, China*
Large-Scale High-Speed Photonic Switches Fabricated on Silicon-Based Photonic Platforms

Richard Jensen, *Huber+Suhner Polatis, USA*

All-Optical Switching Past, Present, and Future

Yuqing Jiao, *Eindhoven University of Technology, Netherlands*

Polarization-Insensitive Isolators and Circulators on InP Photonics

Gunther Roelkens, *Ghent University - imec, Belgium*

Micro-Transfer Printing for Silicon Photonics

Ming Wu, *University of California Berkeley, USA*

Large Scale Opto-Electro-Mechanical Integrated Circuits

Tutorial

Tomoyuki Akiyama, *Fujitsu Limited, Japan*
Review of Si PIC Applications

Arnan Mitchell, *Royal Melbourne Institute of Technology, Australia*

Tutorial of LNOI Platform

Panel

LiDAR Systems and Technologies with Integrated Photonics

Workshop

Quantum Dots – the Resurrection?

Short Courses

SC261 ROADM Technologies and Network Applications

Thomas Strasser, *Molex, USA*

SC267 Silicon Microphotronics: Technology Elements and the Roadmap to Implementation

Lionel Kimerling, *MIT, USA*

SC325 Highly Integrated Monolithic Photonic Integrated Circuits

Chris Doerr, *Doerr Consulting, LLC, USA*

SC432 Hands-on: Silicon Photonics Component Design & Fabrication

Lukas Chrostowski, *University of British Columbia, Canada*

SC454 Hands-on: Silicon Photonics Design – Circuits

Wim Boegarts, *University of Ghent, Belgium*

SC473 Photonic Switching Systems

David Neilson, *Nokia Bell Labs, USA*
Benjamin Lee, *NVIDIA, USA*

D3: Active components

Invited Speakers

Xinlun Cai, *Sun Yat-Sen University, China*
Advances in Ultra-Wideband LiNbO₃ Thin-Film Modulators

Li Chao, *Advanced Micro Foundry, Singapore*

Foundry's Perspective on Laser and SOA Module Integration with Si-Photonics

Julie Eng, *II-VI Incorporated, USA*
Optoelectronic Components for Communications and Sensing

Sonia Garcia-Blanco, *University of Twente, Netherlands*

Integration of Amplifiers in Silicon Nitride Photonic Circuit

Xiao Hu, *National Information Optoelectronics Innovation Center, China*

Ultrahigh-Speed Silicon-Based Modulators/Photodetectors for Optical Interconnects

Ling Liao, *Intel Capital, USA*

Silicon Photonics Devices for Next-Gen Interconnects

Kazuhiko Naoe, *Lumentum Japan Inc., Japan*

Ultrahigh Speed EA-DFB Lasers beyond 200 Gbps per Lane

Patrick Runge, *Fraunhofer HHI, Germany*
High Speed Photodetectors

Leslie Rusch, *Laval University, Canada*
Silicon Photonics for High-Speed 5G and Optical Networks

Wesley Sacher, *Max-Planck-Inst fur Mikrostrukturphysik, Germany*

An Active Visible-Light Integrated Photonics Platform on 200-mm Si

Panel

Towards Standardized PIC Testing: Challenges & Roadmaps

Workshop

Quantum Dots – the Resurrection?

Short Courses

SC177 High-speed Semiconductor Lasers and Modulators

John Bowers, *University of California, Santa Barbara, USA*

SC267 Silicon Microphotronics: Technology Elements and the Roadmap to Implementation

Lionel Kimerling, *MIT, USA*

SC325 Highly Integrated Monolithic Photonic Integrated Circuits

Chris Doerr, *Doerr Consulting, LLC, USA*

SC357 Circuits and Equalization Methods for Coherent and Direct Detection Optical Links

Alexander Rylyakov, *Nokia, USA* and
Sudip Shekhar, *University of British Columbia, Canada*

SC431 Photonic Technologies in the Data Center

Clint Schow, *University of California, Santa Barbara, USA*

SC432 Hands-on: Silicon Photonics Component Design & Fabrication

Lukas Chrostowski, *University of British Columbia, Canada*

SC433 Introduction to Photodetectors and Optical Receivers
Andreas Beling, *University of Virginia, USA*

SC454 Hands-on: Silicon Photonics Design - Circuits

Wim Boegarts, *University of Ghent, Belgium*

D4: Fibers and propagation physics

Invited Speakers

Marianne Bigot, *Prysmian Group, France*
Few-Mode Fibers: Characterizations and Applications

Ursula Gibson, *Clemson University, USA*
Processing and Applications of Semiconductor Core Fibers

Nicoletta Haarlammert, *Fraunhofer IOF, Germany*

Fabrication of Multicore Fibers for High Power Lasers, Sensing and Communications

Kazunori Mukasa, *Furukawa Electric Co. Ltd., Japan*

MCF Manufacturing

Peter Pondillo, *Corning Inc, USA*
Development and Perspectives of Next Generation Optical Fiber Cable Standardization

Marsha Spalding, *SubCom LLC, USA*
Impact of Advances in Fiber Technologies on Undersea Systems

Yusuke Yamada, *NTT Corporation, Japan*
Development and Deployment Characteristics of High-Density Multi-Core Fiber Cables

Tutorial

Joel Villatoro, *University of the Basque Country UPV/EHU, Spain*

Optical Sensing with Specialty Fibers

Panel

Optical Fiber Sensing: Technology and Emerging Applications

Workshop

Revolutionary vs. Evolutionary SDM Fibers: Extra Gain at Extra Complexity?

Short Courses

SC208 Optical Fiber Design for Telecommunications and Specialty Applications

David J. DiGiovanni, *OFS Labs, USA*

SC347 Reliability and Qualification of Fiber-optic Components, Modules and Equipment

David Maack, *David Maack Consulting, USA*

SC453A and B Hands-on: Fiber Optic Handling, Measurements and Component Testing

Steve Baldo, *Seikoh Giken, USA*
Chris Heisler, *OptoTest Corporation, USA*
Steve Lane, *Data-Pixel, France*
Julien Maille, *Data-Pixel, France*

SC465 Transmission Fiber and Cables

John Hedgpeth, *Corning Optical Communications, USA*

D5: Fiber devices, fiber lasers and amplifiers, and nonlinear waveguides

Invited Speakers

Lars Grüner-Nielsen, *DTU Fotonik, Tech. University of Denmark, Denmark*
Photonic-Lantern-Based MDM Devices

Yoon-Ho Kim, *Pohang Univ of Science & Technology, Republic of Korea*
Interference Beyond the Coherence by Using Classical Light

Di Lin, *Guandong University of Technology, China*
Structured Light Generation in Multicore or Multimode Fiber Amplifiers

Giuseppe Marra, *National Physical Laboratory (UK), UK*

Transforming Subsea Optical Cables into a Giant Network of Environmental Sensors

Jeffrey Nicholson, *OFS, USA*
High Power (>100W) EDFA for Free Space Communication

Li Qian, *University of Toronto, Canada*
Nonlinear and Quantum Optics in
Periodically-Poled Optical Fiber

Siddharth Ramachandran, *Boston
University, USA*

Scaling Modal Capacity of Fibers
by Exploiting Topological Properties
of Light

Ryuichi Sugizaki, *Furukawa Electric, Japan*
Challenges in HNLF Fiber Design

Tutorial

Toshihiko Baba, *Yokohama National
University, Japan*

Solid State LIDAR

Panel

Optical Fiber Sensing: Technology
and Emerging Applications

Short Courses

SC208 Optical Fiber Design for
Telecommunications and Specialty
Applications

David J. DiGiovanni, *OFS Labs, USA*

SC451 Optical Fiber Sensors

Alexis Mendez, *MCH Engineering, USA*
William Shroyer, *SageRider, Inc., USA*

SC453A and B Hands-on: Fiber
Optic Handling, Measurements and
Component Testing

Steve Baldo, *Seikoh Giken, USA*
Chris Heisler, *OptoTest Corporation, USA*
Steve Lane, *Data-Pixel, France*
Jonathan Novick, *OptoTest
Corporation, USA*

SC459 Multimode Photonic Devices,
Characterization and Applications

Nicolas Fontaine, *Nokia Bell Labs, USA*

TRACK 5: SYSTEMS AND SUBSYSTEMS

S1: Datacom subsystems and systems

Invited Speakers

Yuliya Akulova, *Intel Corporation, USA*

Potential for Low Cost and Low
Power Coherent Platforms Enabled
by Integrated Lasers

Bill Dally, *NVIDIA Corporation, USA*
Trade-Offs Between Baud Rate and
Number of Parallel Carriers: From the
Energy Conservation Perspective

Christopher Doerr, *Doerr Consulting,
LLC, USA*

Silicon-Photonic Integrated Circuits
with Enhanced Optical Functionality
for Data-Center Applications

Claudia Hoessbacher, *Polariton
Technologies AG, Switzerland*
System-on-Chip Photonic Integrated
Circuits in Silicon Photonics and the
Role of Plasmonics

Daniel Kuchta, *IBM TJ Watson Research
Center, USA*

Developments of VCSEL-Based CPO
Transceivers Beyond 1Tbps

Maria Spyropoulou, *National Technical
University of Athens, Greece*

The Future of Multi-Terabit
Datacenter Interconnects Based on
Tight Co-Integration of Photonics
and Electronics Technologies

Ming Tang, *Huazhong University of
Science and Technology, China*

Self-Homodyne Coherent
Systems for Short-Reach Optical
Interconnects

Hongbin Zhang, *Cisco Systems Inc, USA*
Power Efficient Digital Coherent
Links for Intra-Data Center
Interconnects

Tutorial

Stephen Ralph, *Georgia Tech, USA*
Terabit Optical Networking

Panel

How Can We Start to Consistently
and Quantitatively Account for
End-To-End Power Consumption,
Beginning with a Focus on 100 meter
Datacenter Links?

Workshop

Where are the Boundaries Between
IM-DD and Coherent?

Slow and Wide versus Fast and
Narrow: How Do We Make our
Datacenters Green?

Short Courses

SC203 400 Gb/s and Beyond Optical
Communication Systems, Design
and Design Trade-offs

Ezra Ip, *NEC Labs, USA*
Chongjin Xie, *Alibaba Group, USA*

SC328 Standards for High-speed
Optical Networking

Tom Huber, *Nokia, USA*

SC357 Circuits and Equalization
Methods for Coherent and Direct
Detection Optical Links

Alexander Rylyakov, *Nokia, USA*
Sudip Shekhar, *University of British
Columbia, Canada*

SC461 High-capacity Data Center
Interconnects for Cloud-scale
Networking

Mark Filer, *Google, USA*
Sander L. Jansen, *ADVA Optical
Networking, USA*
Dirk van den Borne, *Juniper Networks,
Germany*

SC513 Data Center Short Links –
Link Design, Modeling, Test and
Measurements

Petar Pepeljugin, *IBM Research, USA*
Greg D. Le Cheminant; *Keysight
Technologies, USA*

S2: Transmission subsystems

Invited Speakers

Georg Böcherer, *Huawei Technologies,
Germany*

Machine Learning Assisted Shaping
and Equalization

Jin-Xing Cai, *SubCom LLC, USA*
SDM, Power Efficiency and Current
Submarine Systems

Stella Civelli, *Scuola Superiore Sant Anna
di Pisa, Italy*

Probabilistic Shaping Methods for
Linear and Nonlinear Channels

Thomas Duthel, *Infinera GmbH, Germany*
DSP Design for Point-to-Multipoint
Transmission

Fernando Guiomar, *Instituto De
Telecomunicacoes, Portugal*

Recent Advances in Carrier Phase
Recovery Algorithms

Son Le, *Nokia Bell Labs, USA*

Single-Ended Coherent Receivers:
From DC-Coupled to AC-Coupled
Photodetectors

Yuichi Nakamura, *NEC Corporation,
Japan*
Technologies for Optical Submarine
Cables, Past, Present and Future

Hai Xu, *Marvell Technology Inc., USA*
System Impact of Laser Phase Noise
On 400G and Beyond Coherent
Pluggables

Tutorials

Frank Kschischang, *University of Toronto,
Canada*

Complexity-Optimized FEC for
Optical Communications

Seb Savory, *University of Cambridge, UK*
Physical Layer Performance
Monitoring in Optical
Communication Networks

Panel

1.6Tb/s+ Intra-DC Networks

Workshops

Where are the Boundaries Between
IM-DD and Coherent?

Is It Really Game Over for the Quest
to Approach Fiber Capacity Limits?

Slow and Wide versus Fast and
Narrow: How Do We Make our
Datacenters Green?

Short Courses

SC160 Microwave Photonics

Jose Capmany, *Polytechnic University of
Valencia, Spain*

SC443 Optical Amplifiers: From
Fundamental Principles to
Technology Trends

Peter Andrekson, *Chalmers University of
Technology, Sweden*
Michael Vasilyev, *University of Texas,
Arlington, USA*

SC514 FEC Techniques for Optical
Communications

Georg Böcherer, *Huawei Technologies;
Technical University of Munich, Germany*
Alex Graell i Amat, *Chalmers University,
Sweden*

S3: Transmission systems

Invited Speakers

Gabriella Bosco, *Polytechnic University of
Turin, Italy*

Complexity Versus Accuracy
Tradeoffs in Nonlinear Propagation
Models

Daniel Elson, *KDDI R&D Laboratories,
Japan*

FIFO-Less Multicore Fiber
Transmission System

Koji Igarashi, *Osaka University, Japan*
Real-Time MIMO Transmission in
Optical Space Division Multiplexed
Fibers

Domanic Lavery, *Infinera Corporation, UK*
Promising DSP Techniques to
Increase Long Haul Transmission
Capacity

Roshene McCool, *Corning Optical
Communication, UK*

Practical Fiber Considerations
for High Capacity Systems: From
Campus to Long Haul

Darli Mello, *UNICAMP, Brazil*

Impact and Mitigation of Mode-
Dependent Gain in Ultra-Long-Haul
SDM Systems

Tutorials

Valey Kamalov, *Google LLC, USA*
Methods for Geophysical Sensing on
Submarine Cables

Paolo Serena, *University of Parma, Italy*
Modeling of Nonlinear Distortion
In SDM

Workshops

Smart Pluggable Coherent Optics: Is
It the End of Layered IP over DWDM?

Is It Really Game Over for the Quest
to Approach Fiber Capacity Limits?

Short Courses

SC217 Applications of Radio-over-
fiber Technologies Including Future
5G Networks

Dalma Novak, *Octane Wireless, USA*

SC512 Modern Subsea Cable Systems

Mei Du, *Tata Communications, USA*

S4: Optical processing, microwave and fiber-sensing

Invited Speakers

Tomoya Akatsuka, *NTT Basic Research
Laboratories, Japan*

Optical Clock Distribution Over
Stable Fiber Links in Noisy
Environments

Theonitsa Alexoudi, *Aristotle University of
Thessaloniki, Greece*

Optical RAM and Optical Cache
Memories for Computing

Matt Eichenfield, *Sandia National
Laboratories Albuquerque, USA*
Piezo-Optomechanical Technologies
for RF and Optical Communications

Nate Lindsey, *Fiber Sense Pty Ltd, USA*
Geophysical Studies Using DAS

Laura Sinclair, *National Inst of Standards
& Technology, USA*

Frequency Combs Outside the
Metrology Lab: Time Transfer over
Long Distance Terrestrial Links

Atsushi Uchida, *Saitama University, Japan*
Reservoir Computing Using Multiple
Lasers

Rod Waterhouse, *Octane Wireless, USA*
Integrated Antenna Modules for
Photonic RF Sensing

Runzhou Zhang, *University of Southern
California, USA*

Automatic Turbulence Resilience in
Self-Coherent Free-Space Optical
Communications

Tutorial

Alwyn Seeds, *University College
London, UK*

THz Technologies for Optical
Communications

Panel

Optical Fiber Sensing: Technology
and Emerging Applications

Workshop

Is Optical Access in Good Shape for
the Future?

Short Courses

SC105 Modulation Formats and
Receiver Concepts for Optical
Transmission Systems

Peter Winzer, *Nubis
Communications, USA*

Xi Vivian Chen, *Nokia Bell Labs, USA*

SC114 Technologies and
Applications for Passive Optical
Networks (PONs)

Yuanqiu Luo, *Futurewei, USA*

SC328 Standards for High-speed
Optical Networking

Tom Huber, *Nokia, USA*

SC341 Sub-carrier Modulation and
Superchannels for Terabit-class
DWDM Transceivers

Sander L. Jansen, *ADVA Optical
Networking, Germany*

Dirk van den Borne, *Juniper Networks,
Germany*

SC357 Circuits and Equalization
Methods for Coherent and Direct
Detection Optical Links

Alexander Rylyakov, *Nokia, USA*
Sudip Shekhar, *University of British
Columbia, Canada*

SC369 Test and Measurement
for Signals with Complex Optical
Modulation

Michael Koenigsmann and Fabio Pittala,
Keysight Technologies, Germany

SC384 Background Concepts of
Optical Communication Systems

Alan Willner, *University of Southern
California, USA*

SC393 Digital Signal Processing for
Coherent Optical Transceivers

Chris Fludger, *Infinera, Germany*

SC395 Modeling and Simulation of
Optical Transmitter and Receiver
Components for Coherent
Communications

Harald Rohde, *Nokia, Germany*
Howard Wang, *Nokia, USA*

SC408 Space Division Multiplexing
for Optical Communication Systems
and Networks

Roland Ryf, *Nokia Bell Labs, USA*

SC452 FPGA Prototyping for Optical
Subsystems

Robert Elschner, *Fraunhofer HHI,
Germany*
Noriaki Kaneda, *nEye systems Inc., USA*

SC469 Hands-on: Laboratory
Automation and Control Using
Python (Beginner)

Jochen Schröder, *Chalmers University of
Technology, Sweden*

Binbin Guan, *Microsoft, USA*
Roland Ryf, *Nokia Bell Labs, USA*

SC483 Machine Learning in Optical
Networks

Massimo Tornatore, *Polytechnic University
of Milan, Italy*

Darko Zibar, *DTU Fotonik, Denmark*

SC487 Hands-on: Laboratory
Automation and Control Using
Python (Advanced)

Nicolas Fontaine, *Nokia Bell Labs, USA*
Binbin Guan, *Microsoft, USA*
Jochen Schröder, *Chalmers University of
Technology, Sweden*

S5: Free-space (FSO), ranging (LIDAR), and radio-over-fiber (RoF)

Invited Speakers

Shuren Hu, *Vanderbilt University, USA*
Coherent LIDAR Technology:
Practical Deployment and Challenges

Christoph Kottke, *Fraunhofer Institute for
Telecommunications, Germany*
Inbuilding Visible Light Positioning
Using Time of Flight

Dennis Prather, *University of Delaware,
USA*

Optically Upconverted, Spatially
Coherent Phased-Array-Antenna
Feed Networks for Beam-
Space MIMO in 5G Cellular
Communications

Yoshihiko Saito, *NICT Koganei, Japan*
Adaptive Optics for Satellite Laser
Communications

Andreas Stohr, *University of Duisburg-
Essen, Germany*

Prospects and Technologies
for Mobile Terahertz 6G
Communications

Xianbin Yu, *Zhejiang University &
Zhejiang Lab, China*

Photonic-Wireless Communication
and Sensing in the Terahertz Band

Tutorials

Antonella Bogoni, *CNIT, Italy*
Space-Grade Analogue and
Digital Photonics for Satellite
Communications

Nathan Gomes, *University College
London, UK*
Towards Mobile Fronthaul for 6G
Networks

Panel

Prospects and Challenges of VCSELs for Data Center Interconnects, Free-Space Communications and Sensing

Workshops

Does Optics Have a Role in Space?

Perennial Bandwidth at Home: LiFi or FiWi?

Short Courses

SC102 WDM in Long-haul Transmission Systems

Neal S. Bergano, *Retired, USA*

SC203 400 Gb/s and Beyond Transmission Systems, Design and Design Trade-offs

Ezra Ip, *NEC Labs, USA*

Chongjin Xie, *Alibaba Group, USA*

SC327 Modeling and Design of Long-haul Fiber-optic Communication Systems

René-Jean Essiambre, *Nokia Bell Labs, USA*

SC341 Sub-carrier Modulation and Superchannels for Terabit-class DWDM Transceivers

Sander L. Jansen, *ADVA Optical Networking, Germany*

Dirk van den Borne, *Juniper Networks, Germany*

SC384 Background Concepts of Optical Communication Systems

Alan Willner, *University of Southern California, USA*

SC408 Space Division Multiplexing for Optical Communication Systems and Networks

Roland Ryf, *Nokia Bell Labs, USA*

SC469 Hands-on: Laboratory Automation and Control Using Python

Binbin Guan, *Microsoft, USA*

Roland Ryf, *Nokia Bell Labs, USA*

Jochen Schröder, *Chalmers University of Technology, Sweden*

SC470 Secure Optical Communications

Andrew Shields, *Toshiba Research Labs, UK*

Helmut Griebner, *ADVA Optical Networking SE, Germany*

SC487 Hands-on: Laboratory Automation and Control Using Python (Advanced)

Nicolas Fontaine, *Nokia Bell Labs, USA*

Binbin Guan, *Microsoft, USA*

Jochen Schröder, *Chalmers University of Technology, Sweden*

TRACK N: NETWORKS AND SERVICES

N1: Advances in development of systems, networks and services

Invited Speakers

Alejandra Beghelli, *University College London, UK*

Dynamic Optical Networks as Arcade Games

Xiang Liu, *Huawei Hong Kong Research Center, Hong Kong*

Inter-Channel FWM Mitigation Techniques for O-band WDM Based 800G/1.6T LR/FR and 5G Fronthaul Applications

Jochen Maes, *Nokia Bell Labs, Belgium*

Efficient Transport of eCPRI Fronthaul Over PON

Eduardo Mateo, *NEC Corporation, Japan*

Cost/Bit Scaling Opportunities in Submarine Cables

David Piehler, *Dell Technologies, USA*

Optical Networks and Edge Computing

Russell Davey, *British Telecommunications, UK*

ZR 400G & 800G Use Cases, Trials, Deployments and Future Prospects

Gefan Zhou, *China Telecom Corp Ltd, Beijing Res Inst, China*

CTC Experiences on Building Computing Power Networks

Chen Zhu, *Baidu Inc., China*

Deployment Results of Super C(120)+L(100) Long-Haul Optical Transmission System with Fast Distributed Fault Recovery

Tutorial

Georg Mohs, *SubCom LLC, USA*

High-Capacity Submarine Cables – Past, Present and Future

Panels

1.6Tb/s+ Intra-DC Networks

Connectivity for Beyond 5G: How Can Wireline and Wireless Optical Access Live Up to the Mobile Expectations?

Optical Fiber Sensing: Technology and Emerging Applications

Short Courses

SC328 Standards for High-speed Optical Networking

Tom Huber, *Nokia, USA*

SC447 The Life Cycle of an Optical Network: From Planning to Decommissioning

Andrew Lord, *BT Labs, BT, UK*

SC461 High-capacity Data Center Interconnects for Cloud-scale Networking

Mark Filer, *Google, USA*

Sander L. Jansen, *ADVA Optical Networking, USA*

Dirk van den Borne, *Juniper Networks, Germany*

SC463 Optical Transport SDN: Architectures, Applications and Actual Implementations

Achim Autenrieth and Jörg-Peter Elbers, *ADVA Optical Networking SE, Germany*

SC472 Hands-on: Controlling and Monitoring Optical Network Equipment

Ricard Vilalta, *CTTC, Spain*

N2: Optical networking for data center and computing applications

Invited Speakers

Huaxi Gu, *Xidian University, China*

X-NEST+: A High Bandwidth and Reconfigurable Optical Interconnects for Distributed Machine Learning and High-Performance Computing

Antonio Hurtado, *University of Strathclyde, UK*

VCSEL Based Neuromorphic Computing

Pavlos Maniotis, *IBM TJ Watson Research Center, USA*

How DataCenter Networks can Improve through Co-Packaged Optics?

Richard Murray, *ORCA Computing, UK*
Hybrid Classical and Quantum Data Centers Using Optical Networks

Fabrizio Petrini, *Intel Corporation, USA*
Interconnection Networks with Co-Packaged Photonics

Angelina Totovic, *Celestial AI, Greece*
Programmable Photonic Neural Networks for Advanced Machine Learning Tasks

Cen Wang, *KDDI R&D Laboratories, Japan*

Integrating Nanosecond Optical Switching in Deep Distributed Learning System

Tutorial

Ken-ichi Sato, *National Institute of AIST, Japan*

Optical Switching will Innovate Intra Data Center Networks

Panel

Roadmap for Photonic AI Accelerators

Workshops

Will Machine Learning be the Killer Application for Optical Networks in Data Centres?

Will Optics Have a Role to Play in Scaling Out Future Quantum Computing Architectures?

Short Courses

SC359 Networking for Datacenters and Machine Learning

Hong Liu and Ryohei Urata, *Google, USA*

SC448 Evolving Software Defined Optical Network: Architecture and Design Principles

Ramon Casellas, *CTTC, Spain*

SC472 Hands-on: Controlling and Monitoring Optical Network Equipment

Ricard Vilalta, *CTTC, Spain*

N3: Architectures and software-defined control for metro and core networks

Invited Speakers

António Eira, *Infinera Corporation, Portugal*

Flexible Survivability in Next-Generation Optical Transport Networks

Carlos Natalino da Silva, *Chalmers University of Technology, Sweden*

Machine-Learning-as-a-Service for Optical Network Automation

Behnam Shariati, *Fraunhofer HHI, Germany*

Telemetry Framework with Data Sovereignty Features

Dimitra Simeonidou, *University of Bristol, UK*

Human-Centric Networking and the Road to 6G

Takafumi Tanaka, *NTT Network Innovation Laboratories, Japan*

Intelligent Network Planning Of Multi-Layer Networks Using Machine Learning, Intelligent SDN-Based Dynamic Network Control / Management

Ricard Vilalta, *CTTC, Spain*

End-to-End Interdomain Transport Network Slice Management Using DLT-Enabled Cloud-Based SDN Controllers

Sugang Xu, *National Institute of Information and Communications Technology (NICT), Japan*

Enhancement of Network-Cloud Ecosystem Resilience with Openness Disaggregation and Cooperation

Tutorial

Vincent Chan, *Massachusetts Institute of Technology, USA*

Optical Satellite Networks

Panel

Virtualization in Optical Networks: a Reality Check

Workshop

Does Optics Have a Role in Space?

Short Courses

SC261 ROADM Technologies and Network Applications

Thomas Strasser, *Molex, USA*

SC328 Standards for High-speed Optical Networking

Tom Huber, *Nokia, USA*

SC448 Evolving Software Defined Optical Network: Architecture and Design Principles

Ramon Casellas, *CTTC, Spain*

SC463 Optical Transport SDN: Architectures, Applications and Actual Implementations

Achim Autenrieth and Jörg-Peter Elbers, *ADVA Optical Networking SE, Germany*

SC472 Hands-on: Controlling and Monitoring Optical Network Equipment

Ricard Vilalta, *CTTC, Spain*

SC483 Machine Learning in Optical Networks

Massimo Tornatore, *Polytechnic University of Milan, Italy*

Darko Zibar, *DTU Fotonik, Denmark*

N4: Optical access networks for fixed and mobile services

Invited Speakers

Carlo Cavazzoni, *TIM (Telecom Italia), Italy*

Open RAN Mobile Access: The View of an Operator on an End-To-End Implementation

Vincent Houtsma, *Nokia Bell Labs, USA*

Reusing Data Center Optics and Solutions for Beyond 25Gb/S PON: Is the Gap Really Bridged?

Fabienne Saliou, *Orange Labs, France*
Operators Approach on the Coexistence in Future Optical Access Networks

Xuming Wu, *Huawei Technologies Co.,Ltd, China*

Fiber to the Room (FTTR): Standards and Deployments

Junwen Zhang, *Fudan University, China*
High-Performance and Robust Burst Reception in Coherent PON

Paikun Zhu, *NICT, Japan*
DSP-Enhanced Radio-over-Fiber Xhaul Networks Toward Beyond-5G

Tutorials

Alexandre Graell i Amat, *Chalmers University, Sweden*

FEC and Equalization Implementation Options for 50Gb/s PON and beyond: A Reality Check

Weisheng Hu, *Shanghai Jiao Tong University, China*

100G and beyond for PON and Short Reach Optical Networks

Panels

Virtualization in Optical Networks: a Reality Check

Connectivity for Beyond 5G: How Can Wireline and Wireless Optical Access Live Up to the Mobile Expectations?

Workshop

Is Optical Access in Good Shape for the Future?

Short Courses

SC114 Technologies and Applications for Passive Optical Networks (PONs)

Yuanqiu Luo, *Futurewei, USA*

SC444 Optical Communication Technologies for 5G and F5G

Xiang Liu, *Huawei Technologies, China*

SC483 Machine Learning in Optical Networks

Massimo Tornatore, *Polytechnic University of Milan, Italy*

Darko Zibar, *DTU Fotonik, Denmark*

SC485 Advanced Fiber Access Networks

Jun Shan Wey and Rajesh Yadav, *Verizon, USA*

SC-Q: Quantum Devices, Systems and Networking

Invited Speakers

Cecilia Clivati, *INRIM, Italy*

Atomic Clocks Technologies for Twin-Field QKD in Real World

Hannes Hübel, *Austrian Institute of Technology, Austria*

Deployed QKD Networks in Europe

Siddarth Koduru Joshi, *University of Bristol, UK*

Quantum Networks: The Path Beyond Just QKD

Christine Silberhorn, *Paderborn University, Germany*

Benchmarking of Scalable Photonic Quantum Systems

Zachary Vernon, *Xanadu Quantum Computing, Canada*

Fault-Tolerant Photonic Quantum Computing

Feihu Xu, *Univ of Science and Technology of China, China*

A Chip-Based Quantum Access Network Without Trusted Relays

Tutorials

Galan Moody, *University of California Santa Barbara, USA*

Quantum Interconnects

Jianwei Wang, *Peking University, China*
On-Chip Engineering Entanglement for Photonic Quantum Computing

Workshops

Will Optics Have a Role to Play in Scaling Out Future Quantum Computing Architectures?

Does Optics Have a Role in Space?

Short Course

SC470 Secure Optical Communications

Andrew Shields, *Toshiba Research Labs, UK*

Helmut Griebner, *ADVA Optical Networking SE, Germany*

Exhibition

View the floor plan, review company descriptions and find products and vendors of interest. ofcconference.org/exhibithall.

A Showcase for Solutions

Participating companies have the products and technologies to build your competitive edge. The entire spectrum of products will be on display: network equipment and software, active and passive components, test and manufacturing equipment, data center/IT products and cable and fiber. See what's new and identify technology must-haves for your business. Only OFC offers the size and scope to compare and contrast vendors, giving you the information you need to make all your technology purchasing decisions in one place.

There will also be multi-vendor interoperability demos on the show floor including booths by COBO, Ethernet Alliance, OIF and OpenROADM.

OFCnet

OFC's high-speed optical network, OFCnet, will enable select demonstrations of networking products, solutions and architectures. This live network will showcase emerging technologies including quantum networking, network element interoperability, SDN and programmability, and networking for big data/big science applications.

Industry-Focused Programs

Theaters II and III on the show floor offer 15 programs covering new technologies and insight into the future. Hear from over 10 industry groups including Ethernet Alliance, ETSI, ITU, OCP, OIF, and others.

Topics on the show floor include: intra and inter data center connectivity, network infrastructure, access networks, optical systems and components and standard and industry group updates. Technologies covered include: 800ZR/LR, AI, co-packaging, OpenROADM, PON, OpenZR+ and more.

Show Floor Programs

In addition to the exhibits, OFC offers industry programs on the show floor covering market trends.

Market Watch

This three-day series of panel discussions engages the latest application topics and business issues in the field of optical communications. Presentations and panel sessions feature esteemed guest speakers from industry, research and the investment community.

Panel I

State of the Industry

Panel II

PAM vs. Coherent for Data Center Connectivity

Panel III

800G / 128GBaud Pluggable Coherent - Key Technologies and Applications

Panel IV

Performance-Centric Long Haul

Panel V

Perspectives on the Future of ROADM Technologies and Architectures for Next-Gen Networks

Panel VI

Satellite Communications - Coherent Optics in Free Space

Network Operator Summit

This dynamic program presents the inside perspective from network operators and service providers – their issues, drivers and how their requirements may impact the future of the industry. Everyone in the supply chain, from equipment manufacturer to components, will want to hear what's next in meeting the needs of network operators.



Keynote

Andreas Gladisch, Vice-President, *Deutsche Telekom AG, Germany*

Panel I

What's the Value of Optical Network Automation and How Can Optics Help

Panel II

Brownfield Applications in Legacy Networks

Data Center Summit

This program focuses on next generation optical technologies for intra and/or inter data center connectivity. It discusses evolving data center requirements for technologies, equipment, applications and deployment scenarios in hyperscale and enterprise.



Keynote

Chongjin Xi, Senior Director, Chief Communication Scientist, *Alibaba Group, USA*

Past Experiences and Future Prospects of Data Center Interconnect Optical Networks

Panel I

More than a Clos: Future Datacenter Network Architectures and the Role of Optics

Panel II

Open Line Systems - Can We Shape "Disaggregation" in One Direction?



Registration

ofcconference.org/registration

	On or Before 06 Feb. (USD)		After 06 Feb. (USD)	
Full Conference				
Member*	\$720		\$855	
Student Member*	\$201		\$284	
Non Member	\$903		\$1050	
Student Non Member	\$253		\$385	
Exhibitor Upgrade	\$720		\$855	
Exhibits Pass Plus**	\$0		\$0	
Short Courses	<i>Half Day</i>	<i>Hands-on</i>	<i>Half Day</i>	<i>Hands-on</i>
Member*	\$292	\$355	\$355	\$408
Non Member	\$372	\$435	\$435	\$509

	Full Conference	Exhibits Pass Plus**	Short Course Only
Plenary Session	•	•	•
Technical Sessions and Rump Session	•		
Exhibition & Show Floor Programming	•	•	•
Market Watch	•	•	•
Network Operator Summit	•	•	•
Data Center Summit	•	•	•
Career Zone Live	•	•	•
Sunday Workshops	•	•	•
Poster Sessions	•	•	•
Conference Reception	•	Ticket Required	
Conference Program Book	•		
Postdeadline Papers Book	•		
Exhibits 2023 Buyers' Guide	•	•	•
Short Course Notes (for Short Course attendees only)			•

* Member of IEEE Communications Society, IEEE Photonics Society or OPTICA (formerly OSA).

** Exhibits Pass Plus is not for use by presidents, poster presenters or speakers. These audiences must register as a Full Conference attendee.

Hotel

ofcconference.org/hotel

MCI USA, OFC's official hotel reservations vendor, brings you reduced room rates at a variety of popular hotels within walking distance from the San Diego Convention Center. Working with MCI USA, we have negotiated exclusive room rate discounts. When you make a reservation through the room block, you help OFC keep meeting costs down. Check hotel availability, learn about new hotels recently added and reserve your accommodations from the conference website.

San Diego Convention Center

111 W. Harbor Drive
San Diego, California 92101

Hotel	Location from Convention Center	Room Rate* (USD)
Hard Rock Hotel San Diego	0.2 miles	\$294
Hilton San Diego Bayfront	0.2 miles	\$315
Marriott Marquis San Diego Marina	0.2 miles	\$315
Manchester Grand Hyatt San Diego	0.3 miles	\$315
Hilton San Diego Gaslamp Quarter	0.3 miles	\$292
Pendry San Diego	0.3 miles	\$294
Horton Grand Hotel	0.4 miles	\$199
Hotel Z	0.4 miles	\$262
Hotel Solamar	0.5 miles	\$264
Omni San Diego Hotel	0.5 miles	\$295
San Diego Marriott Gaslamp Quarter	0.5 miles	\$292
Andaz San Diego	0.7 miles	\$294
Westin San Diego Gaslamp Quarter	0.7 miles	\$275
Embassy Suites San Diego Bay -Downtown	0.8 miles	\$271
Hotel Indigo San Diego Gaslamp Quarter	0.8 miles	\$254
US GRANT - A Luxury Collection Hotel	0.9 miles	\$292
Bristol Hotel	1.0 miles	\$199
Hotel Palomar San Diego	1.0 miles	\$279
Wyndham San Diego Bayside	1.2 miles	\$209
Sheraton San Diego Hotel & Marina	3.2 miles	\$268

*Hotel rates are listed in U.S. dollars and do not include taxes or any hotel fees. Rates shown are for single rooms. Double rooms may have an increased rate.