next-gen skills

take a Short Course
and get in-depth training

OFC

The future of optical networking
and communications

TECHNICAL CONFERENCE
11 – 15 March 2018

SHORT COURSES
11 – 12 March 2018

EXHIBITION
13 – 15 March 2018

San Diego, California, USA

ofcconference.org

SPONSORED BY:

IEEE ComSoc IEEE Communications Society

IEEE photonics Society

OSA The Optical Society | 100 Since 1916

Managed by OSA

location

San Diego Convention Center

111 W Harbor Drive
San Diego, California 92101 USA

dates

12 February 2018

Advance Registration Deadline
(23:59 EST)

15 February 2018

Hotel Reservation Deadline

11 – 15 March 2018

Technical Conference

13 – 15 March 2018

Exhibit and Show Floor Programs

support

general information

+1.202.416.1907
+1.800.766.4672
custserv@osa.org

registration customer service

+1.855.326.8341
+1.224.563.3121
OFC@compusystems.com

hotel reservations

+1.800.465.9101
+1.240.439.2949
OFC@experient-inc.com

it's here

OFC 2018 is the year's premier event in telecom and data center.

In fact, it's the world's largest conference and exhibition for optical communications and networking professionals.

OFC draws nearly 15,000 business and technology leaders from 65 countries. They come seeking the future direction of the industry — from the latest research and developments to the newest technologies.

get the latest advancements

OFC is the only global conference that truly represents the entire industry — where it is today and where it is going tomorrow in terms of research, technologies and product solutions. The program is comprehensive — from research to marketplace, from components to systems and networks, from technical sessions to the exhibition.

HEAR THE LATEST RESEARCH AT THE TECHNICAL CONFERENCE

The peer-reviewed technical conference features more than 120 invited speakers — the thought leaders in the industry presenting the highlights of emerging technologies. The technical program also includes special symposia, in-depth tutorials, workshops, panels and the rump session. You can also take a Short Course and learn from the experts about important topics in the industry — there are 54 courses to choose from.

SEE NEW PRODUCTS AT THE EXHIBITION

Over 700 participating companies can help you build your competitive edge. Hear new product announcements, explore innovative and cost-effective solutions and meet industry leaders to learn what's new and what is coming next.

ATTEND EDUCATIONAL PROGRAMS ON THE SHOW FLOOR

Market Watch, the Network Operator Summit and 25 other show floor programs cover market trends, new technologies and insight into the future. Experts from global brands and key industry organizations provide high-level takes on the state of the industry, hot topics and recommended courses of action to tackle today's toughest business challenges.

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

short course program

GET IN-DEPTH TRAINING TAKE A SHORT COURSE

Stay current in your field by taking a Short Course at OFC. Learn from the experts. These half-day Short Courses are a good way to get clear, concise overviews of important topics in optical communications and networking. Short Courses cover a broad range of topic areas at a variety of educational levels.

Browse course descriptions, objectives and instructor biographies at **ofcconference.org/shortcourse**

BENEFITS OF ATTENDING:

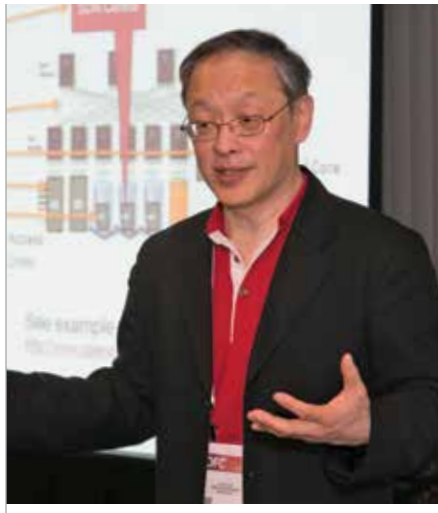
- Keep informed on the latest trends with new cutting-edge topics.
- Learn from the experts — a faculty of distinguished instructors representing the industry's leading corporations and esteemed learning institutions.
- Receive printed materials with syllabus and course notes.
- Get clear, concise overviews of research, theoretical background and new applications.
- Get personalized instruction with small class sizes.
- Develop your expertise — become a knowledge center for your team!

See **ofcconference.org/shortcourse** for more details.

REGISTER EARLY!

Last year, 85% of courses were sold out prior to the conference. Make sure you have a seat in your preferred courses by registering now.

When you register for a Short Course, you also gain FREE admission to: the exhibition, educational sessions on the show floor, the plenary session and workshops.



LEARN FROM PRESTIGIOUS INSTRUCTORS FROM:

Acacia Communications
ADVA Optical Networking
AT&T
Ciena
Cisco
Corning
DARPA
Google
Huawei
IBM Research
Intel Corp.
Juniper Networks
Microsoft
MIT
Nokia Bell Labs
TE Subcom

short course schedule

SUNDAY, 11 MARCH		
9:00 – 12:00	SC177	High-speed Semiconductor Lasers and Modulators
	SC328	New Developments in High-speed Optical Networking
	SC444	Optical Communication Technologies for 5G Wireless
	SC447	The Life Cycle of an Optical Network: From Planning to Decommissioning
	SC463	Optical Transport SDN: Architectures, Applications and Actual Implementations [NEW]
9:00 – 13:00	SC105	Modulation Formats and Receiver Concepts for Optical Transmission Systems
	SC384	Background Concepts of Optical Communication Systems
	SC395	Modeling and System Impact of Optical Transmitter and Receiver Components
	SC454	Introduction to Silicon Photonics Circuit Design
	SC461	High-capacity Data Center Interconnects [NEW]
13:00 – 16:00	SC216	An Introduction to Optical Network Design and Planning
	SC429	Introduction to Flexible Photonic Networks
	SC433	Introduction to Photodetectors and Optical Receivers
	SC462	Introduction to Pluggable Optics [NEW]
13:00 – 17:00	SC203	100 Gb/s and Beyond Transmission Systems, Design and Design Trade-offs
	SC325	Highly Integrated Monolithic Photonic Integrated Circuits
	SC369	Test and Measurement for Metro and Long-haul Communications
13:30 – 17:30	SC267	Silicon Microphotonics: Technology Elements and the Roadmap to Implementation
	SC327	Modeling and Design of Fiber-optic Communication Systems
	SC393	Digital Signal Processing for Coherent Optical Systems
	SC450	Design, Manufacturing, and Packaging of Opto-electronic Modules
17:00 – 20:00	SC205	Integrated Electronic Circuits for Fiber Optics
	SC217	Optical Fiber Based Solutions for Next Generation Mobile Networks
	SC408	SDM Based Fiber-optic Transmission Systems
	SC451	Optical Fiber Sensors

MONDAY, 12 MARCH		
8:30 – 12:30	SC102	WDM in Long-haul Transmission Systems
	SC114	Passive Optical Networks (PONs) Technologies
	SC178	Test and Measurement for Data Center/Short Reach Communications
	SC443	Optical Amplifiers: From Fundamental Principles to Technology Trends
	SC446	[Hands-on] Characterization of Coherent Opto-electronic Subsystems
	SC452	FPGA Programming for Optical Subsystem Prototyping
	SC453A	[Hands-on] Fiber Optic Handling, Measurements and Component Testing
	SC460	Digital Coherent Optical System Basics: Transceiver Technology and Performance [NEW]
9:00 – 12:00	SC176	Metro Network Evolution
	SC359	Datacenter Networking 101
	SC390	Introduction to Forward Error Correction
	SC411	Multi-layer Interaction in the Age of Agile Optical Networking
	SC428	Link Design for Short Reach Optical Interconnects
	SC442	Free Space Switching Systems: PXC and WSS
	SC448	Software Defined Networking for Optical Networks: a Practical Introduction
	SC459	SDM Components and Devices [NEW]
	SC465	Transmission Fiber and Cables [NEW]
13:30 – 16:30	SC208	Optical Fiber Design for Telecommunications and Specialty Applications
	SC261	ROADM Technologies and Network Applications
	SC385	Optical Interconnects for Extreme-scale Computing
	SC431	Photonic Technologies in the Data Center
	SC445	Visible Light Communications — the High Bandwidth Alternative to WiFi
	SC464	SDN Inside and In Between Data Centers [NEW]
13:30 – 17:30	SC160	Microwave Photonics
	SC341	Multi-carrier Modulation: DMT, OFDM and Superchannels
	SC347	Reliability and Qualification of Fiber-optic Components
	SC432	[Hands-on] Silicon Photonics Component Design & Fabrication
	SC449	[Hands-on] An Introduction to Writing Transport SDN Applications
	SC453B	[Hands-on] Fiber Optic Handling, Measurements and Component Testing

new for 2018

SC460 – Digital Coherent Optical System Performance Basics: Transceiver Technology and Performance

Monday, 12 March
08:30 - 12:30

INSTRUCTORS
Maurice O'Sullivan, *Ciena, Canada*
John Cartledge, *Queen's University, Kingston, Ontario, Canada*

DESCRIPTION
This course is designed to equip participants with a basic understanding of implemented electric field modulation and coherent detection on two polarizations, and the ability to estimate and compare link performance in practical coherent transmission applications including nonlinear WDM propagation. Where possible, transceiver performance is estimated based on analytic approximations.

SC461 – High-capacity Data Center Interconnects

Sunday, 12 March
9:00 - 12:00

INSTRUCTORS
Sander L. Jansen, *ADVA Optical Networking, Germany*
Dirk van den Borne, *Juniper Networks, Germany*

DESCRIPTION
This course gives a broad overview of data center interconnect (DCI) architectures and technology, ranging from short-haul interconnects to metro and to long-haul deployments.

Current technologies covered include the full range of transmitter and receiver technologies, modulation formats, protocols and data rates, and system design aspects such as open line systems and encryption. You will get a comprehensive understanding for the different system design trade-offs in terms of cost, capacity, density, power consumption and complexity.

SC462 – Introduction to Pluggable Optics

Sunday, 11 March
13:00 - 16:00

INSTRUCTORS
Sharon Hall, *Oclaro, USA*
Robert Blum, *Intel Corp., USA*

DESCRIPTION
This course enables you to better understand the different pluggable optics solutions and form factors ranging from 1Gbps to the latest 400Gbps. Some of these form factors are: SFP, XFP, Xenpak, X2, XPAK, SFP+, QSFP, QSFP+, µQSFP, CFP, CFP2, CFP4, CFP8, QSFP28, QSFP-DD, and OSFP. Detailed information is provided on the optical and electrical technologies used, the data rates supported, the power classes, the thermal challenges, and the overall dimensions. The core technology and block diagram for each data rate and pluggable form factor is reviewed as well as the advantages and disadvantages of each solution.

SC463 – Optical Transport SDN: Architectures, Applications and Actual Implementations

Sunday, 11 March
13:30 - 16:30

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

DESCRIPTION
This course covers practical applications of SDN in optical transport networks. It aims to bridge the gap between pure

architectural concepts and real-life implementations. Following a problem-and-solution approach, we use concrete network examples to explain the challenges service providers, internet content providers and enterprises face, and how transport SDN (T-SDN) addresses these challenges. The first part introduces the T-SDN architecture and related data models, protocols, concepts and frameworks. The second part investigates commercial use cases from (named) service providers and data center operators. The third part is a live demonstration of a T-SDN application using an experimental implementation in conjunction with real equipment.

SC464 – SDN Inside and In Between Data Centers

Monday, 12 March
13:30 - 16:30

INSTRUCTOR
David Maltz, *Microsoft, USA*

DESCRIPTION
This course explains each of the layers of the network, from the physical switches and fiber, through the software that runs on the switches, through the Software Defined Networking layers that provide a customizable virtual network while enabling the cloud platform to optimize its resource usage and automatically mitigate faulty equipment. Drawing examples from Microsoft Azure, the course covers how large cloud networks are designed and operate.

SC465 – Transmission Fiber and Cables

Monday, 12 March
9:00 - 12:00

INSTRUCTORS
Chris Towery and Michael Ellwanger, *Corning Optical Communications, USA*

DESCRIPTION
This course discusses the fundamentals of optical fiber production methods as well as provide some insight into the history of optical fiber and the physical principles which enable an optical fiber to be such a capable medium for communications. We will address the different categories of transmission of optical fibers that have been deployed, as well as dive into the newer fibers that have evolved to meet the challenges of today's network deployments. A focus of this short course will also be on the cabling options, standards and performance considerations for various environments and the trade-offs that may exist for different cable types.

54 SHORT COURSES COVER KEY TECHNOLOGIES IN THREE TRACKS

short courses by topic

TRACK D: Devices, Optical Components and Fiber

D1: ADVANCES IN DEPLOYABLE OPTICAL COMPONENTS, FIBERS AND FIELD INSTALLATION EQUIPMENT

SC178 – Test and Measurement for Data Center/Short Reach Communications
Greg D. Le Cheminant, *Keysight Technologies, USA*

SC208 – Optical Fiber Design for Telecommunications and Specialty Applications
David J. DiGiovanni, *OFS Labs, USA*

SC325 – Highly Integrated Monolithic Photonic Integrated Circuits
Chris Doerr, *Acacia Communications, USA*

SC347 – Reliability and Qualification of Fiber-Optic Components
David Maack, *Corning, USA*

SC450 – Design, Manufacturing, and Packaging of Opto-electronic Modules
Kevin Williams, *Eindhoven University of Technology, Netherlands*
Arne Leinse, *LioniX, Netherlands*
Twan Korthorst, *PhoeniX Software, Netherlands*
Peter O'Brien, *Tyndall National Institute, Ireland*

SC453A and B – [Hands-on] Fiber Optic Handling, Measurements and Component Testing
Chris Heisler, *OptoTest Corporation, USA*
Steve Lane, *Data-Pixel, France*
Julien Maille, *Data-Pixel, France*
Steve Baldo, *Seikoh Gikken, USA*
Keith Foord, *Greenlee Communications, USA*

D2: PASSIVE OPTICAL DEVICES FOR SWITCHING AND FILTERING

SC261 – ROADM Technologies and Network Applications
Thomas Strasser, *Nistica Inc., USA*

SC267 – Silicon Microphotonics: Technology Elements and the Roadmap to Implementation
Lionel Kimerling, *MIT, USA*

SC325 – Highly Integrated Monolithic Photonic Integrated Circuits
Chris Doerr, *Acacia Communications, USA*

SC384 – Background Concepts of Optical Communication Systems
Alan Willner, *Univ. of Southern California, USA*

SC431 – Photonic Technologies in the Data Center
Clint Schow, *University of California, USA*

SC432 [Hands-on] – Silicon Photonics Component Design & Fabrication
Loukas Chrostowski, *University of British Columbia, Canada*

SC442 – Free Space Switching Systems: PXC and WSS
David Neilson, *Nokia Bell Labs, USA*

D3: ACTIVE OPTICAL DEVICES AND PHOTONIC INTEGRATED CIRCUITS

SC177 – High-speed Semiconductor Lasers and Modulators
John Bowers, *Univ. of California at Santa Barbara, USA*

SC205 – Integrated Electronic Circuits for Fiber Optics
Y. K. Chen, *Nokia Bell Labs, USA*

SC267 – Silicon Microphotonics: Technology Elements and the Roadmap to Implementation
Lionel Kimmerling, *MIT, USA*

SC325 – Highly Integrated Monolithic Photonic Integrated Circuits
Chris Doerr, *Acacia Communications, USA*

SC384 – Background Concepts of Optical Communication Systems
Alan Willner, *Univ. of Southern California, USA*

SC428 – Link Design for Short Reach Optical Interconnects
Petar Pepeljugoski, *IBM Research, USA*

SC431 – Photonic Technologies in the Data Center
Clint Schow, *University of California, USA*

SC433 – Introduction to Photodetectors and Optical Receivers
Joe Campbell, *University of Virginia, USA*

SC442 – Free Space Switching Systems: PXC and WSS
David Neilson, *Nokia Bell Labs, USA*

SC443 – Optical Amplifiers: From Fundamental Principles to Technology Trends
Michael Vasilyev, *University of Texas at Arlington, USA*
Shu Namiki, *National Institute of Advanced Industrial Science and Technology (AIST), Japan*

SC454 – [Hands on] Introduction to Silicon Photonics Circuit Design
Wim Bogaerts, *University of Gent, Belgium*

SC459 – SDM Components and Devices
Nicolas Fontaine, *Nokia Bell Labs, USA*

D4: FIBER AND PROPAGATION PHYSICS

SC205 – Integrated Electronic Circuits for Fiber Optics
Y. K. Chen, *Nokia Bell Labs, USA*

SC208 – Optical Fiber Design for Telecommunications and Specialty Applications
David J. DiGiovanni, *OFS Labs, USA*

SC347 – Reliability and Qualification of Fiber-Optic Components
David Maack, *Corning, USA*

SC408 – SDM Based Fiber-optic Transmission Systems
Roland Ryf, *Nokia Bell Labs, USA*

SC465 – Transmission Fiber and Cables
Chris Towery and Michael Ellwanger, *Corning Optical Communications, USA*

D5: FIBER-OPTIC AND WAVEGUIDE DEVICES AND SENSORS

SC451 – Optical Fiber Sensors
Zuyuan He, *Shanghai Jiao Tong University, China*
William Shroyer, *SageRider, Inc., USA*

SC453A and B – [Hands-on] Fiber Optic Handling, Measurements and Component Testing
Chris Heisler, *OptoTest Corporation, USA*
Steve Lane, *Data-Pixel, France*
Julien Maille, *Data-Pixel, France*
Steve Baldo, *Seikoh Gikken, USA*
Keith Foord, *Greenlee Communications, USA*

TRACK S
Systems and Subsystems

S1: ADVANCES IN DEPLOYABLE SUBSYSTEMS AND SYSTEMS

SC114 – Passive Optical Networks (PONs) Technologies
Yuanqiu Luo, *Futurewei Technologies, Huawei R&D, USA*

SC178 – Test and Measurement for Data Center/Short Reach Communications
Greg D. Le Cheminant, *Keysight Technologies, USA*

SC203 – 100 Gb/s and Beyond Transmission Systems, Design and Design Trade-offs
Martin Birk, *AT&T Labs, USA*
Benny Mikkelsen, *Acacia Communications, USA*

SC328 – Standards for High-speed Optical Networking (OTN)
Stephen Trowbridge, *Nokia Bell Labs, USA*

SC369 – Test and Measurement for Metro and Long-haul Communications
Michael Koenigsmann and Bernd Nebendahl, *Keysight, Germany*

SC384 – Background Concepts of Optical Communication Systems
Alan Willner, *Univ. of Southern California, USA*

SC428 – Link Design for Short Reach Optical Interconnects
Petar Pepeljugoski, *IBM Research, USA*

SC429 – Introduction to Flexible Photonic Networks
David Boertjes, *Ciena, Canada*

SC442 – Free Space Switching Systems: PXC and WSS
David Neilson, *Nokia Bell Labs, USA*

SC462 – Introduction to Pluggable Optics
Sharon Hall, *Oclaro, USA*
Robert Blum, *Intel, USA*

S2: OPTICAL, PHOTONIC AND MICROWAVE PHOTONIC SUBSYSTEMS

SC114 – Passive Optical Networks (PONs) Technologies
Yuanqiu Luo, *Futurewei Technologies, Huawei R&D, USA*

SC261 – ROADM Technologies and Network Applications
Thomas Strasser, *Nistica Inc., USA*

SC442 – Free Space Switching Systems: PXC and WSS
David Neilson, *Nokia Bell Labs, USA*

SC443 – Optical Amplifiers: From Fundamental Principles to Technology Trends
Michael Vasilyev, *University of Texas at Arlington, USA*
Shu Namiki, *National Institute of Advanced Industrial Science and Technology (AIST), Japan*

SC446 – [Hands-on] Characterization of Coherent Opto-electronic Subsystems
Robert Palmer and Harald Rohde, *Elenion, Germany*

S3: RADIO-OVER-FIBER, FREE SPACE OPTICS AND SENSING SYSTEMS

SC160 – Microwave Photonics
Vince Urick, *DARPA, USA*

SC217 – Optical Fiber Based Solutions for Next Generation Mobile Networks
Dalma Novak, *Pharad, LLC., USA*

SC445 – Visible Light Communications — the High Bandwidth Alternative to WiFi
Harald Haas, *LiFi Research and Development Centre, The University of Edinburgh, UK*

S4: DIGITAL AND ELECTRONIC SUBSYSTEMS

SC105 – Modulation Formats and Receiver Concepts for Optical Transmission Systems
Peter Winzer and Xi Vivian Chen, *Nokia Bell Labs, USA*

SC205 – Integrated Electronic Circuits for Fiber Optics
Y. K. Chen, *Nokia Bell Labs, USA*

SC261 – ROADM Technologies and Network Applications
Thomas Strasser, *Nistica Inc., USA*

SC341 – Multi-carrier modulation: DMT, OFDM and Superchannels
Sander L. Jansen, *ADVA Optical Networking, Germany*
Dirk van den Borne, *Juniper Networks, Germany*

SC390 – Introduction to Forward Error Correction
Frank Kschischang, *Univ. of Toronto, Canada*

SC393 – Digital Signal Processing for Coherent Optical Systems
Chris Fludger, *Cisco Optical GmbH, Germany*

SC446 – [Hands-on] Characterization of Coherent Opto-electronic Subsystems
Harald Rohde and Robert Palmer, *Elenion, Germany*

SC452 – FGPA Programming for Optical Subsystem Prototyping
Noriaki Kaneda, *Nokia Bell Labs, USA*
Laurent Schmalen, *Nokia Bell Labs, Germany*

S5: DIGITAL TRANSMISSION SYSTEMS

SC102 – WDM in Long-haul Transmission Systems
Neal S. Bergano, *TE Subcom, USA*

SC203 – 100 Gb/s and Beyond Transmission Systems, Design and Design Trade-offs
Martin Birk, *AT&T Labs, Res., USA*
Benny Mikkelsen, *Acacia Communications, USA*

SC261 – ROADM Technologies and Network Applications
Thomas Strasser, *Nistica Inc., USA*

SC327 – Modeling and Design of Fiber-optic Communication Systems
Rene-Jean Essiambre, *Nokia Bell Labs, USA*

SC341 – Multi-carrier Modulation: DMT, OFDM and Superchannels
Sander L. Jansen, *ADVA Optical Networking, Germany*
Dirk van den Borne, *Juniper Networks, Germany*

SC384 – Background Concepts of Optical Communication Systems
Alan Willner, *Univ. of Southern California, USA*

SC393 – Digital Signal Processing for Coherent Optical Systems
Chris Fludger, *Cisco Optical GmbH, Germany*

SC395 – Modeling and System Impact of Optical Transmitter and Receiver Components
Robert Palmer and Harald Rohde, *Elenion, Germany*

SC408 – SDM Based Fiber-optic Transmission Systems
Roland Ryf, *Nokia Bell Labs, USA*

SC429 – Introduction to Flexible Photonic Networks
David Boertjes, *Ciena, Canada*

SC460 – Digital Coherent Optical System Basics: Transceiver Technology and Performance
Maurice O'Sullivan, *Ciena, Canada*
John Cartledge, *Queen's University, Kingston, Ontario, Canada*

TRACK N
Networks, Applications and Access

N1: ADVANCES IN DEPLOYABLE NETWORKS AND APPLICATIONS

SC176 – Metro Network Evolution
Loudon Blair and David Krauss, *Ciena Corp., USA*

SC216 – An Introduction to Optical Network Design and Planning
Jane M. Simmons, *Monarch Network Architects, USA*

SC359 – Datacenter Networking 101
Hong Liu, *Google, USA*

SC447 – The Life Cycle of an Optical Network: From Planning to Decommissioning
Andrew Lord, *BT Labs, BT, UK*

N2: CONTROL AND MANAGEMENT OF MULTILAYER NETWORKS

SC411 – Multi-layer Interaction in the Age of Agile Optical Networking
Ori A. Gerstel, *Sedona Systems, Israel*

SC429 – Introduction to Flexible Photonic Networks
David Boertjes, *Ciena, Canada*

SC448 – SDN for Optical Networks: a Practical Introduction]
Ramon Casellas, *CTTC, Spain*

SC449 – [Hands-on] Introduction to Writing Transport of SDN Applications
Ricard Vilalta, *CTTC, Spain*
Karthik Sethuraman, *NEC Corporation of America, USA*

SC463 – Optical Transport SDN: Architectures, Applications and Actual Implementations
Achim Autenrieth and Jörg-Peter Elbers, *ADVA Optical Networking SE, Germany*

SC464 – SDN Inside and In Between Data Centers
David Maltz, *Microsoft, USA*

N3: NETWORK ARCHITECTURES AND TECHNO-ECONOMICS

SC176 – Metro Network Evolution
Loudon Blair and David Krauss, *Ciena Corp., USA*

SC216 – An Introduction to Optical Network Design and Planning
Jane M. Simmons, *Monarch Network Architects, USA*

SC328 – New Developments in Optical Transport Networking (OTN)
Stephen Trowbridge, *Nokia Bell Labs, USA*

SC384 – Background Concepts of Optical Communication Systems
Alan Willner, *Univ. of Southern California, USA*

SC429 – Introduction to Flexible Photonic Networks
David Boertjes, *Ciena, Canada*

SC447 – The Life Cycle of an Optical Network: From Planning to Decommissioning
Andrew Lord, *BT Labs, BT, UK*

N4: OPTICAL ACCESS NETWORKS FOR FIXED AND MOBILE SERVICES

SC114 – Passive Optical Networks (PONs) Technologies
Yuanqiu Luo, *Futurewei Technologies, Huawei R&D, USA*

SC444 – Optical Communication Technologies for 5G Wireless [NEW]
Xiang Liu, *Futurewei Technologies, Huawei R&D, USA*

DSN6: OPTICAL DEVICES, SUBSYSTEMS AND NETWORKS FOR DATACOM AND COMPUTERCOM

SC178 – Test and Measurement for Data Center/Short Reach Communications
Greg D. Le Cheminant, *Keysight Technologies, USA*

SC359 – Datacenter Networking 101
Hong Liu, *Google, USA*

SC385 – Optical Interconnects for Extreme-scale Computing
John Shalf, *Lawrence Berkeley National Laboratory, USA*
Keren Bergman, *Columbia University, USA*

SC428 – Link Design for Short Reach Optical Interconnects
Petar Pepeljugoski, *IBM Research, USA*

SC431 – Photonic Technologies in the Data Center
Clint Schow, *University of California, USA*

SC461 – High-capacity Data Center Interconnects
Sander L. Jansen, *ADVA Optical Networking, Germany*
Dirk van den Borne, *Juniper Networks, Germany*

registration and travel

Make plans now.

OFC delivers what you need — in-depth training courses, an innovative technical program, unparalleled networking opportunities, a world-class exhibition and show floor business programming.

There are, however, a few things you'll need to consider first — what kind of registration type you want and where to stay. No matter what you decide, be sure to plan early and get the best value.

short course registration

Each Short Course requires a separate registration fee. Advance registration is suggested as each course has limited seating. There will not be a wait list for sold out courses. Tickets are required for admission to Short Courses and for Short Course Notes, which are distributed on-site. Short Course Notes are not available for purchase separately.

Short Course registration also includes admission to the plenary session, exhibit hall, Market Watch, Network Operator Summit, the Online Job Fair, workshops, poster sessions and Exhibits 2018 Buyers' Guide.

	Half Day Short Course	Hands-On Course	SC432 Hands-On Course
Advance Registration thru 12 Feb. 2018**			
Member*	$275	$335	$435
Nonmember	$350	$410	$510
Registration after 12 Feb. 2018**			
Member*	$335	$385	$485
Nonmember	$410	$480	$580

full conference registration

In addition to the world's leading exhibition in optical networking and communications, OFC has a world-class technical program featuring over 500 peer-reviewed technical presentations and more than 120 invited experts in the field. If you are interested in expanding your learning, consider registering for the Full Conference (registration fee required).

Hear from the industry's luminaries, business leaders and innovators in special sessions at OFC.

Sub-committees carefully curate a program of invited speakers to anchor the technical sessions and experts to teach in-depth tutorials on important technology. Interactive workshops are organized on the hot topics in the industry to present different perspectives in the field.

Learn more about OFC's comprehensive technical program.
ofcconference.org/technical

*Member of IEEE Communications Society, IEEE Photonics Society or The Optical Society
**All Short Course registration fees are listed in US dollars

registration

Categories	Full Conference Registration	Exhibit Pass Plus**
Advance Registration thru 12 Feb. 2018		
Member *	$665	$0
Nonmember	$835	$0
Student Member *	$195	$0
Student Nonmember	$235	$0
Registration after 12 Feb. 2018		
Member *	$790	$0
Nonmember	$970	$0
Student Member *	$275	$0
Student Nonmember	$355	$0
Plenary Session	•	•
Technical Sessions and Rump Session	•	
Exhibition and Show Floor Programming	•	•
Market Watch	•	•
Network Operator Summit	•	•
Career Zone	•	•
Workshops	•	•
Poster Sessions	•	•
Conference Reception	•	
Conference Program Book	•	
Technical Digest (USB Drive)	•	
Postdeadline Papers Book	•	
OFC Buyers' Guide	•	•

*Member of IEEE Communications Society, IEEE Photonics Society or The Optical Society
** Not for use by technical program presiders, poster presenters or speakers.

hotel

Experient, the official hotel vendor, brings you unbeatable rates at a variety of popular hotels within walking distance to the San Diego Convention Center. We have negotiated exclusive room discounts to help you save money on your trip. When you reserve a room through Experient, you help OFC keep meeting costs as low as possible. To learn about new hotels being added, the availability status of all hotels and to reserve your accommodations, visit **ofcconference.org/hotel**

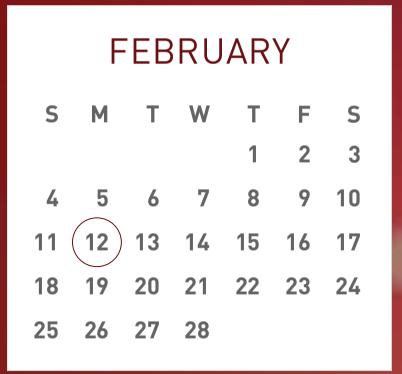
San Diego Convention Center
111 W Harbor Drive
San Diego, CA 92101

	Convention Center Distance	Rates from (per night)*
Embassy Suites San Diego Bay	.7 miles	$248
Hard Rock Hotel San Diego	.1 miles	$269
Hilton San Diego Bayfront	.3 miles	$275
Hilton San Diego Gaslamp Quarter	.2 miles	$270
Horton Grand Hotel	.4 miles	$199
Hotel Palomar San Diego	.7 miles	$229
Manchester Grand Hyatt	.5 miles	$277
Marriott Marquis San Diego Marina	.2 miles	$275
Omni San Diego Hotel	.2 miles	$271
San Diego Marriott Gaslamp Quarter	.3 miles	$265
Solamar Hotel	.3 miles	$239
The Bristol Hotel	.7 miles	$210
The Pendry	.3 miles	$259
The Sofia Hotel	.7 miles	Standard $229 SGL Student Only $189 SGL
The US Grant San Diego	.8 miles	$261
The Westgate Hotel	.8 miles	$239
Westin Gaslamp Quarter	.6 miles	$250

*Hotel rates are listed in U.S. dollars (unless noted otherwise) and do not include taxes or any hotel fee.

Register online now. Secure attendance.

Register today to reserve your seat before the course of your choice reaches capacity. (Last year, 85% of courses were sold out prior to the conference.)



Advance Registration Ends 12 February 2018

ofcconference.org

OFC

The future of optical networking and communications

OFC Management
c/o The Optical Society
2010 Massachusetts Avenue, NW
Washington, DC 20036 USA