

amplify solutions

meet with your vendors,
partners, customers

EXHIBITION PROGRAM

OFC

The future of optical networking
and communications

TECHNICAL CONFERENCE

19 – 23 March 2017

EXHIBITION

21 – 23 March 2017

Los Angeles, California, USA

ofcconference.org

SPONSORED BY:



location

Los Angeles Convention Center
1201 S Figueroa St.
Los Angeles, California 90015 USA

2017 dates

20 February
Advance Registration Deadline
23.59 EST (04.53 GMT)

27 February
Hotel Reservation Deadline

19 – 23 March
Technical Conference

21 – 23 March
Exhibition

support

general information

+1.202.416.1907
+1.800.766.4672
custserv@osa.org

registration customer service

+1.866.486.0738
+1.708.486.0738
ofc@compusystems.com

hotel reservations

+1.855.992.3353
+1.312.527.7270
ofc@onpeak.com



it's here

OFC 2017 is the year's premier event in telecom and data center optics.

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

OFC is the place to be if you need to know optical networking.

This is where nearly 13,000 leading manufacturers, developers and end users in the community gather for updates, education, collaboration and problem-solving solutions. In an industry that is evolving at such an accelerated pace, OFC is the go-to source for forward-looking marketing intelligence and insight on new network and market trends.



it's free

EXHIBITS PASS PLUS REGISTRATION PROVIDES FREE ADMISSION TO THE 3-DAY EXHIBITION AND INCLUDES:

- Access to the exhibit hall with over 600 exhibitors
- Market Watch — 7 panel discussions
- Network Operator Summit (formerly the Service Provider Summit) — keynote and 2 panels
- Plenary session featuring 3 industry luminaries
- Ten interactive hot topic workshops
- Over 15 educational programs on the show floor
- OFC Career Zone
- OFC 2017 Buyer's Guide

Register today for Exhibits Pass Plus!
ofcconference.org/registration

Exhibits Pass Plus schedule

All times reflect Pacific Time Zone.

	SUNDAY 19 MARCH	MONDAY 20 MARCH	TUESDAY 21 MARCH	WEDNESDAY 22 MARCH	THURSDAY 23 MARCH
GENERAL					
Exhibition and Show Floor			10:00 – 17:00	10:00 – 17:00	10:00 – 16:00
Unopposed Exhibit-Only Time			10:00 – 14:00	12:00 – 13:00	12:00 – 13:00
OFC Career Zone Kiosks	08:00 – 19:30	07:30 – 18:00	07:30 – 19:00	07:00 – 17:00	07:30 – 17:00
OFC Career Zone Live			10:00 – 17:00	10:00 – 17:00	10:00 – 16:00
Registration	08:00 – 19:30	07:30 – 18:00	07:30 – 19:00	07:00 – 17:00	07:30 – 17:00
TECHNICAL PROGRAMMING					
Short Courses (fee required)	09:00 – 20:00	08:30 – 17:30			
Workshops	15:30 – 18:30	09:00 – 12:00			
Plenary			08:00 – 10:00		
Poster Sessions				10:00 – 12:00	10:00 – 12:00
SHOW FLOOR PROGRAMS					
Market Watch (sponsored by Huawei)			10:30 – 16:00	15:30 – 17:00	10:30 – 14:00
Network Operator Summit (sponsored by Juniper Networks)				10:30 – 12:30 13:30 – 15:00	
Other Education Programs			10:15 – 17:00	10:15 – 14:30	10:30 – 16:00
Product Showcases			10:15 – 10:45	10:15 – 17:00	10:15 – 10:45 13:30 – 14:30 15:00 – 16:00



exhibition

Fit a Year's Worth of Meetings into Just Three Days!

Visit more than 600 exhibiting companies showcasing network equipment and software, active and passive components, test and manufacturing equipment, data center/IT products and cable and fiber. Only OFC offers the size and scope to compare and contrast vendors, giving you the information you need to make all your technology decisions in one place.

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

EXPERIENCE THE MOST COMPREHENSIVE EXHIBIT HALL IN THE INDUSTRY

- See new products
- Compare products
- Meet with vendors
- Explore customized solutions
- Establish new contacts
- Network with colleagues
- Learn what's hot
- Attend educational sessions

exhibitors and sponsors

Exhibitors as of 5 January 2017

2Fiber Communication Ltd.	Cambridge Industries USA, Inc.	Elite Communications, Inc.
3M Electronics Materials Solutions Division	Canadian Photonics Fabrication Centre	Emcore Corporation
7 Pennies Consulting	Canovate Elektronik Endustri Ticaret A.S.	Enplas Corporation
AC Photonics, Inc.	CEA-LETI	Eoptolink Technology Inc., Ltd.
Acacia Communications, Inc.	Centera Photonics, Inc.	EOSPACE, Inc.
Accelink Technologies Co., Ltd. & WTD	ChemOptics	EpiPhotonics Corp.
Adamant Co., Ltd.	Chemtronics	Epoxy Technology, Inc.
ADVA Optical Networking	Cheng Yueg Enterprises Co., Ltd.	ES-TECH INTERNATIONAL, INC.
Advanced Connectek, Inc.	Chengdu Huajing Keli Industry Co., Ltd.	Ethernet Alliance
Advanced Fiber Resources, Ltd.	Chengdu Qianhong Communication Co., Ltd.	EXFO
Advanced Microoptic Systems GmbH	Chengdu Superxon Communication Technology Co., Ltd.	Experior Laboratories, Inc.
AEMtec GmbH	Chengdu Tsuhan Science & Technology Co., Ltd.	Fabrinet
Agilecom Fiber Solutions, Inc.	Chengdu Xinruixin Optical Technology Co., Ltd.	Femto Technology (Xi'an) Co., Ltd.
Agiltron, Inc.	Chiral Photonics	Fermionics Opto-Technology
AIM Photonics	Chroma ATE Inc.	Ferrotec USA
Aitelong Technology Co., Ltd.	Chuxing Optical Fiber Application Technologies, Ltd.	Fiber Instrument Sales, Inc.
AKSH Optifibre Limited	CIENA Corporation	FiberLabs, Inc.
Albis Optoelectronics	Cisco Systems, Inc.	Fiber Optic Center, Inc.
Alight Technologies APS	CN-J Technology Co., LTD.	Fiber Plus International
Alliance Fiber Optic Products, Inc.	CoAdna Photonics, Inc.	Fibercore
Alnair Labs Corporation	CODIXX AG	FiberLabs, Inc.
Altera Corporation	Coherent Solutions	Fiberon Technologies, Inc
America IIsintech LLC	ColorChip	Fiberpon Technology Co., Ltd.
American Technical Ceramics	Compex Corporation	Fiberpro, Inc.
AMETEK Electronic Components & Packaging	COMWAY Technology, LLC	FIBERQA LLC
AMICRA Microtechnologies GmbH	Connected Fibers	Fibre Systems
Amonics Ltd.	Connor Manufacturing Services, Inc.	ficonTEC (USA) Corporation
Amphenol	CorActive High-Tech, Inc.	FINETECH
Anaren Ceramics	Coriant	Finisar
Anritsu Company	Corning Incorporated	Fi-ra Photonics Co., Ltd.
AnShan World Opto Technologies Co., Ltd.	COSEMI Technologies, Inc.	FISBA
A-One Technology Ltd.	COSET, Inc.	Fischer Connectors, Inc.
APAC Opto Electronics, Inc.	CreaLights Technology Co., Ltd.	Flyin Optronics Co., Ltd.
APAT Optoelectronics	Crestec Corporation	FOCI Fiber Optic Communications, Inc.
APEX Technologies	Crowntech Photonics Co., Ltd.	Formerica Optoelectronics Inc.
Apogee Optocom Co., Ltd.	CST of America, Inc.	Foxconn Interconnect Technology
Applied Optoelectronics, Inc.	DATA-PIXEL	Fraunhofer Heinrich Hertz Institute
Applied Thin-Film Products	Deviser Instrument, Inc.	Fraunhofer Institute for Photonic Microsystems
Aragon Photonics Labs	Diamond USA, Inc.	Fraunhofer IZM
Arden Photonics, Ltd.	DiCon Fiberoptics, Inc.	Fujian Hitronics Technologies, Inc.
Arrayed Fiberoptics Corporation	Dimension Technology Co., Ltd.	Fujikura, Ltd.
ARtech	Dini Group	Fujitsu Network Communications, Inc.
ARTEK, Inc.	Direct Optical Research Company	Fujitsu Optical Components
ASI/Silica Machinery, LLC	Discovery Semiconductors, Inc.	Gannon & Scott
Asia Optical Co., Inc.	DITF (Diablo Industries Thin Film)	General Photonics Corp.
ATOP Corporation	Domaille Engineering, LLC	Gigac Technology Co., Ltd.
Auxora, Inc.	Dongguan Mentech Optical & Magnetic Co., Ltd.	GigPeak
AVIC JONHON OPTRONIC TECHNOLOGY CO., LTD.	Dowslake Microsystems	Glenair
Avo Photonics, Inc.	Dreamtel Technologies Co., LTD	Glimmerglass
Axetris AG	D-Tech Optoelectronics, Inc.	Global Communication Semiconductors, Inc.
AXSUN Technologies	East China Research Institute of Microelectronics (ECRIM)	Global Optical Communication Co., Ltd.
Beijing Grish Hitech Co., Ltd.	East Photonics, Inc.	Global Optical Technology
BKTEL Photonics	East Point Communication Technology Co., Ltd.	Gloriole Electroptic Technology Corp.
Bola Technologies	East Tender Optoelectronics Corp.	GLsun Science and Tech Co., Ltd.
Brimrose Corporation of America	ECOC 2017	Go!Foton
Bristol Instruments, Inc.	EFFECT Photonics	Goldtel Co., Ltd.
Broadcom Limited	EGIDE	Gould Technology, LLC
BROLINK Technologies (Dong Guan) Co. LTD.	Elaser Technologies Co., Ltd.	Gowanda Electronics Corp.
Browave Corporation		GPD Optoelectronics Corp.
BrPHOTONICS		Hengtong Optic-Electric Co., Ltd.
Cadence Design Systems, Inc.		Hirose Electric USA
CAILabs SAS		Hitachi Cable America
CALIENT Technologies		Hitachi High Technologies America

HJ3-W, Inc.	Lightel Technologies, Inc.	O/E Land, Inc.
HOLOEYE Photonics AG	Lightip Technologies	Oclaro, Inc.
Hongchuangxin Technology (HK) Co., Limited	Lighttron Fiber-Optic Devices, Inc.	OE Solutions, Co., Ltd.
HTD Fibercom Co., Limited	LightSmyth Technologies	OFFS
Huangshi Sunshine Optoelectronic, LLC	Linktel Technologies Co., Ltd.	OgMentum, Inc.
Huawei Technologies USA	Linstar Telecom-Optic Equipment Co., Ltd.	O-Net Communications (Shenzhen) Ltd.
HUBER+SUHNER Cube Optics AG	LioniX BV	Opt Gate Co., Ltd.
Hunan Guanglian Photoelectricity Technologies Co., Ltd.	Liverage Technology, Inc.	Optec Technology, Ltd.
HYC Co., Ltd.	Lorom America	Optelian Access Networks
Hysolution Co., Ltd.	LUCEDA Photonics	Optella Inc.
IBM Canada	Lumentum	Optellent, Inc.
ID Photonics GmbH	Luna Innovations	Optelligent, LLC
IEEE Communications Society	LuxarTECH	Optic River Communication, Ltd.
IEEE Photonics Society	LuXpert Technologies Co., Ltd.	Optical Internetworking Forum
IEEE Xplore Digital Library	Luxtera, Inc.	Optics Fans Co., Ltd.
IHP GmbH	Mackin Technologies	Optilab, LLC
II-VI EpiWorks, Inc.	MACOM	Optiwave Systems, Inc.
II-VI Marlow	Maxim Integrated Products	OptiWorks, Inc.
II-VI Photonics, Inc.	MaxLinear	OptoMarine, Ltd.
imaging solutions group	Mellanox Technologies	OptoMedia
iNEMI-Intl Elec. Manufact. Initiative	Menara Networks	OptoScribe
Infinera	MetalLife, Inc.	OptoTest Corporation
Ingeneric GmbH	Micram Microelectronic GmbH	Optoway Technology, Inc.
INLC Technology, Inc.	Microlap Technologies, Inc.	Optowell Co., Ltd.
Inneos	Micron Optics, Inc.	Optowide Technologies Co., Ltd.
INNO Instrument	Microsemi Corporation	Optronics Co., Ltd., The
Innolight Technology, Inc.	Mindrum Precision, Inc.	Opwill Technologies Co., LTD.
Innovative Micro Technology	Mitsubishi Electric US, Inc.	OrangeTek Corporation
INO	ModuleTek Limited	OSA
InPhenix	Molex	OSI Laser Diode Incorporated
Inphi Corporation	MoSys, Inc.	OSP.com
Inphotech	MPB Communications, Inc.	Otrans Communication Technologies (Hangzhou) Co., Ltd.
INTEC E&C Co. Ltd.	MPI Corporation	Oxford Fiber, Ltd.
Intel Corporation	MPNICS Co., Ltd	OZ Optics
inTEST Thermal Solutions	MRSI Systems	Pacific Microchip Corp.
Intlvac	MultiLane SAL	PacketLight Networks Ltd.
IOSolution Co., Ltd.	Murata Electronics	Palomar Technologies, Inc.
IP Light	Nanjing Jilong	Passive Plus, Inc.
IPDiA	Nanometer Technologies, Inc.	P-CUBE
IQE	nanoPrecision Products, Inc.	Peak Optoelectronics (Suzhou) Co., Ltd.
Ironwood Electronics	Nanosystec	PE Fiberoptics Limited
IXBLUE	National Inst. of Advanced Industrial Sci. & Tech.	PETRA
Jabil	National Research Council of Canada	PFC Flexible Circuits Ltd.
Jabil AOC Technologies	NEC Corporation	Philips GmbH U-L-M Photonics
JBTX	Nessel IP, Inc.	Phoenix Photonics, LTD.
JENOPTIK Optical Systems	NEON Photonics Co. Ltd.	Phoenix Software
JGR Optics	NeoPhotonics	Photon Design
Jiangsu Etern Co., Ltd.	Netcope Technologies	Photon Kinetics, Inc.
Johanson Technology, Inc.	New Ridge Technologies	Photonic Lattice, Inc.
Juniper Networks	Newport Corporation	Photonics Media/Laurin Publishing
Kaiam Corporation	Ningbo Feitian Electron Technology Co., Ltd.	PI (Physik Instrumente) LP
Kelvin Nanotechnology Limited	Ningbo GEYIDA Cable Technology Co. Ltd.	Picometrix, LLC
Keopsys	Ningbo Jinze Telecommunication Equipment Co., Ltd.	Plastic Optical Fiber Trade Organization
Keysight Technologies	Ningbo Yuda Communication Technology Co., Ltd.	PLC Connections
Knowles Capacitors	Nippon Electric Glass Co., Ltd.	POINTek, Inc.
Kohoku America, Inc.	Nissin Kasei USA Corp	Polaris Electronics Corporation
Korea Optron Corp.	Nokia	Polatis, Inc.
Krell Technologies, Inc.	Norland Products, Inc.	PPI, Inc.
KS Photonics, Inc.	Notice Co., Ltd.	Precise-ITC
KST World Corp.	Novoptel GmbH	Precision Optical Transceivers, Inc.
Kyocera America	nPoint, Inc.	Presidio Components, Inc.
Kyosemi Opto America Corp.	NTT Advanced Technology Corporation	Presto Engineering
Letel Group	NTT Electronics America, Inc.	PriTel, Inc.
LiComm Co., Ltd.	NTT Electronics Corporation	ProLabs
LiGenTec SA	Nufern	Promet Optics
Ligent Photonics, Inc.	Nuphoton Technologies, Inc.	Proximion AB
Light Brigade, Inc., The		
LightCounting		

Prysmian Group	Shenzhen Wahleen Technology Co., Ltd.	TransPacket AS
PSC-SC	SHENZHEN XIANGTONG CO.,LTD	Triformix Solutions (Su Zhou) Pte. Ltd.
QianXin High Technoogy Co., Ltd.	Shenzhen YiGuDian Technology Co., Ltd.	Triple Play Communications
Qorvo	Shenzhen Youngsun Com Optical Fiber Cable Co., Ltd.	TRS-RenTelco
R&D Interconnect Solutions	SHF Communication Technologies AG	U-Flex Co., Limited
RAM Photonics, LLC	Shibuya Corporation	ULTRA TEC Mfg., Inc.
RANOVUS	Shineway Technologies (China), Inc.	Unioriental Optics Co., Ltd.
Raysung Photonics, Inc.	Showmark, LLC	US Conec, Ltd.
Reflex Photonics	Sichuan Huiyuan Plastic Optical Fiber Co., Ltd.	VeEX, Inc.
RMT, Ltd.	Sichuan Jiuzhou Optio-Electronics, Ltd.	VI Systems
Rockley Photonics	Sichuan Tianyi Comheart Telecom Co. Ltd.	ViaSat, Inc.
Rosenberger North America	Sichuan Trixon Communication Technology Co., Ltd.	Viavi Solutions
Rosendahl Nextrom	Sicoya GmbH	Viking Technology a Division of Sanmina Corp.
Samtec, Inc.	SiFotonics Technologies Co., Ltd.	Vishay Intertechnology
Santec USA Corporation	Silex Microsystems	VLC Photonics S.L.
Sanwa Electronics USA Corporation	Skorpios Technologies	Vlink Optics Corporation
SCHOTT Electronic Packaging	SMART Photonics B.V.	VPLphotonics
Sedona Systems	SOC America, Inc.	Wanjun Engineering SDN BHD
Seikoh Giken Co., Ltd.	Socionext	WingComm
Semtech Corporation	Somacis	Wooriro Co., Ltd.
SENKO Advanced Components, Inc.	Sony Semiconductor Solutions Corporation	Wuhan Aroptics-Tech Co., Ltd.
SETO Electronics Corporation	Source Photonics	Wuhan Fortune Technology Co., LTD.
Shandong Pacific Optics Fiber and Cable Co., Ltd.	SPIE: The Intl Society for Optics and Photonics	Wuhan HuaGong Genuine Optics Tech Co., Ltd.
Shanghai Changyue Communications Co., Ltd.	Stars Microelectronics (Thailand) PCL	Wuhan RayOptek Co., Ltd.
Shanghai Lonboom Limited	State of the Art, Inc.	Wuhan Yilut Technology Co., Ltd.
Shaoxing ZKTel Equipment Co., Ltd.	Sticklers Fiber Optic Cleaners	Wuhan Yusheng Optical Devices Co., Ltd.
Sharetop Technology Co., Ltd.	STRONG Technologies Co., Ltd.	Wuxi Taclink Optoelectroincs Technology Co., Ltd.
Shenzhen 6com Technology Co., Ltd.	Sumitomo Bakelite Co., Ltd.	W-W Optronics, Inc.
Shenzhen ADTEK Technology Co., Ltd.	Sumitomo Electric Device Innovations U.S.A., Inc	XDK Communication Equipment (Huizhou) Co., Ltd.
Shenzhen Allopto Limited	Sumitomo Electric Industries, LTD.	Xelic
Shenzhen Chinaopticcable Co., Ltd.	Suncall America	Xenoptics
Shenzhen C-Light Network Communication Co., Ltd.	Sunstar Communication Technology Co., Ltd.	XFS Communications, Inc.
Shenzhen DYS Fiber Optic Technology Co., Ltd.	SUSS MicroOptics SA	Xgiga Communication Technology Co., Ltd.
Shenzhen Ensure Precision Machine Co., Ltd.	Suzhou TFC Optical Communication Co., Ltd.	Xiamen Freeform Optical Technolgy Co., Ltd.
Shenzhen Fibercan Optical Co., Ltd	SVI Public Company Limited	XiaMen Guangte Communication Technology Co. Ltd.
Shenzhen Fiberroad Technology Co., Ltd.	Synopsys, Inc.	Xilinx, Inc.
Shenzhen Fibershow Communication, Co., Ltd.	SZOPT Communication Co., Ltd.	XTXH Precision Tooling (Shenzhen) Co., Ltd.
Shenzhen Gigalight Technology Co., Ltd.	T Plus, Co., Ltd.	XYZTEC
Shenzhen Hi-Optel Technology Co., Ltd.	T&S Communications Co. Ltd.	Yangtze Optical Fibre & Cable Joint Stock, Ltd., Co.
Shenzhen HKT Electronic Sci. & Tech. Co.	Taconic	Yelo Limited
Shenzhen Huayu Optical Communication Tech. Co., Ltd.	Taihan Fiberoptics	Yenista Optics
Shenzhen Hytera Communications Co., Ltd.	Takfly Communications Co., Ltd.	Yixing City Jitai Electronics Co., Ltd
Shenzhen KamaxOptic Communication Co., Ltd.	TDK Corporation	Yokogawa Corporation of America
Shenzhen Lasun Network Cabling Co., Ltd.	Tecdia, Inc.	Yuetsu Seiki Co., Ltd.
Shenzhen OlinkPhotonics Inc., Ltd.	Tecnisco, Ltd.	Yuyao Huijia Communication Equipments Co., Ltd.
Shenzhen Optical Network Telecom Co., Ltd.	Tektronix, Inc.	YuYao Liangpin Telecom Equipment Co. Ltd.
Shenzhen Opway Communication	Teledyne LeCroy	Zeus, Inc.
Shenzhen Oscom technology Co., Ltd.	Telescent, Inc.	ZG Technology(ShenZhen) LIMITED
Shenzhen PuhuiXin Technology Co., Ltd.	TeraXion, Inc.	ZGT Optical Comm Limited
Shenzhen SDG Information Co., Ltd.	The 41st Inst. of China Electronics Tech. Goup Corp.	ZheJiang Tribre Communication Technology Limited
Shenzhen Sinovo Telecom, Ltd.	The Light Connection	Zhengzhou Shijia Technology Co., Ltd.
Shenzhen Solar Valley Scitech Dev. Co., Ltd.	Thorlabs	Zhongshan Meisu Technology Co., Ltd.
Shenzhen TIBTRONIX Technology	Tianjin Eloik Communication Equipment Technology	Zhuzhou Jiabang Refractory Co., Ltd.
Shenzhen TORCH Telecom Technology Co. Ltd.	Timbercon, Inc.	ZTE Corporation
Shenzhen U1 Telecommunicatons Co., Ltd.	Tocom Technology Co., Inc.	
	Tomoegawa Co., Ltd.	
	Topstone Communication, Inc.	
	Toto USA, Inc.	
	TowerJazz	



educational programs

Three theaters on the show floor feature presentations by experts from major global brands and key industry organizations. Get high-level takes on hot topics and market trends. Learn about the state of the industry, emerging technologies and recommended courses of action to tackle today's toughest business challenges.

AMPLIFY INDUSTRY KNOWLEDGE

Market Watch and Network Operator Summit are held in Theater I.

Theaters II and III feature more than 15 sessions covering:

- Intra and Inter Data Center Connectivity
- Infrastructure Makeover and Networking
- SDN and Open Source

show floor schedule

	TUESDAY 21 MARCH	WEDNESDAY 22 MARCH	THURSDAY 23 MARCH
THEATER I			
Market Watch (sponsored by Huawei)	10:30 – 16:00	15:30 – 17:00	10:30 – 14:00
Network Operator Summit (sponsored by Juniper Networks)		10:30 – 15:00	
INTRA AND INTER DATA CENTER CONNECTIVITY			
Data Center Summit: Next Generation Optical Technologies Inside the Data Center	12:15 – 13:45		
On-board Optics — Challenges, Discoveries and the Path Forward (COBO)		10:15 – 11:45	
100G Serial Electrical to the Optical Module — OIF Debate	13:45 – 14:45		
International Photonic Systems Roadmaps	16:00 – 17:00		
INFRASTRUCTURE MAKEOVER AND NETWORKING			
Dynamic Third Network Services for the Digital Economy and Hyper-connected World (MEF)	12:30 – 13:30		
The Fracturing and Burgeoning Ethernet Market (Ethernet Alliance)	11:00 – 12:00		
How Will Fog Reshape Computing and Networking (IEEE Cloud Computing, Open Fog Consortium)		15:30 – 17:00	
Network Analytics in the Next-generation Optical Transport (IEEE Big Data)		13:45 – 15:15	
OIF Interop — The Key to Unlocking the Benefits of SDN	15:00 – 16:00		
Open Packet DWDM (TIP)			10:15 – 11:45
Technological Evolution of Next Generation Optical Cross Connect			13:30 – 14:30
SDN AND OPEN SOURCE — SDN AND OPEN SOURCE COMMUNITY UPDATES			
Open Management and Monitoring of Multilayer Webscale and Carrier Networks (Open Config)		12:00 – 13:30	
OCP, Transforming the Future of Data Centers	10:15 – 11:45		
ONF: The Path Forward			12:00 – 13:30
Transport SDN: Commercial Applications, Solutions and Innovation			15:00 – 16:00
OTHER			
POF Symposium			11:00 – 13:00
Advancing Optical Interoperability in Open Networks (Juniper Sponsored Commercial Sessions)	14:00 – 17:00		
Product Showcases	10:15 – 10:45	10:15 – 17:00	10:15 – 16:00

hear industry leaders

COMPANIES PRESENTING IN SHOW FLOOR PROGRAMS

Acacia	Cisco	Intel
ADVA Optical Networking	Comcast	Juniper
Alibaba	Dell EMC	Kaiaam
Arista Networks	Deutsche Telekom	Lumentum
AT&T	Equinix	Microsoft
Big Switch Networks	Facebook	NEC Corp.
Brocade	Fujitsu	NeoPhotonics
China Telecom	Google	Nokia
CenturyLink	Hibernia Networks	NTT Electronics America
Ciena	Huawei	TE SubCom
Coriant	Infinera	Verizon
	Inphi Corp.	

INDUSTRY GROUPS DRIVING THE EVOLUTION OF OPTICAL NETWORKS



Market Watch

Get an insider's look at today's most important industry developments.

This three-day series of panel discussions addresses the latest application topics and business issues in optical communications and networking. Market Watch features esteemed speakers from top carriers, system vendors, market analyst firms and component companies.

ORGANIZER

Lisa Huff, *Discerning Analytics, USA*

SPONSORED BY



Panel I: State of the Industry — Analyst Panel

Tuesday, 21 March, 10:30 - 12:00

MODERATOR

Jim Theodoras, *ADVA Optical Networking AG, USA*

This Market Watch panel is one of the most highly attended panels at OFC. Industry and financial analysts give their views of the optical communications markets including historical data and forecasts. Top trends in all markets are presented with a focus on specific market data points that are helpful to a wide audience. The entire optical communications value chain is represented — components, equipment and services.

SPEAKERS

Alex Henderson, *Needham & Co., USA*
Vladimir Kozlov, *LightCounting, USA*
Kevin Lefebvre, *Ovum, USA*
Mark Rostick, *Intel Capital, USA*
Jimmy Yu, *Dell 'Oro Group, USA*

Panel II: Market Outlook for High Bandwidth Optical Technologies

Tuesday, 21 March, 12:30 - 14:00

MODERATOR

Tiejun Xia, *DMTS at Verizon Communications, USA*

This Market Watch session provides an overview of market outlook and real benefits of high optical bandwidth technology, reviews its influence in development of other technology sections, such as high-speed backplane and addresses some related challenges in product development, such as high sampling rate. The session will also give a preview of technologies and markets beyond 64GBaud.

SPEAKERS

Adam Carter, *Oclaro, USA*
Hideki Isono, *Fujitsu Optical Components, Japan*
Ron Johnson, *Cisco Systems, Inc., USA*
Atul Srivastava, *NTT Electronics America, USA*
Winston Way, *NEOPhotonics Corp, USA*

Panel III: Global Market for Subsea Fiber Optic Networking Applications

Tuesday, 21 March, 14:30 - 16:00

MODERATOR

Eve Griliches, *Cisco Systems, Inc., USA*

This Market Watch session provides an overview of various technologies and applications in subsea fiber optic networking, such as trans-oceanic high bandwidth data communication, reconfigurable submarine optical networking and switching, sensing and monitoring of subsea physical structures and systems, control and data transmission between offshore and onshore oil/gas facilities and in subsea tieback system, infrastructure security monitoring and intrusion detection and ocean bottom scientific observation and environmental exploration.

Market Watch (continued)

SPEAKERS

Lisa Bickford, *Google Inc., USA*
Rao Lingampalli, *Equinix, USA*
Georg Mohs, *TE Subcom, USA*
Takaaki Ogata, *NEC Corporation, Japan*
David Smith, *Hibernia Networks, USA*

Panel IV: Pluggable Optics — How is the Ecosystem and Value Chain Changing?

Wednesday, 22 March, 15:30 - 17:00

MODERATOR

Frank Chang, *Inphi Corporation, USA*

Recently 50G and beyond transceivers have been developed that significantly reduce power, footprint and cost.

These include form factors such as CFP8, QSFP56, QSFP-DD, SFP56 as well as a form of on-board optics — all to address equipment faceplate density. Technologies being considered include four-wave, four-fiber, two-wave and single-wave solutions that will address 50G, 100G, 200G and 400G. This panel of industry experts will strive to determine the potential winning technology from the wide variety of options.

SPEAKERS

Bardia Pezeshki, *Kaiam Corporation, USA*
Chris Pfistner, *Lumentum, USA*
David Piehler, *Dell EMC, USA*
Katharine Schmidtke, *Facebook, USA*
Sorin Tibuleac, *ADVA Optical Networking, USA*

Panel V: Photonic Integration Business Case — Reality Check

Thursday, 23 March, 10:30 - 12:00

MODERATOR

Rick Dodd, *Ciena, USA*

Driven by 100Gbps in long haul as well as in data center applications, there is continued progress for companies to commercialize products based on integrated photonics on the InP,

GaAs and Silicon platforms. Recently we have seen successes by vendors to ship integrated products using silicon photonics. This panel brings together experts from key players and continues to review the state-of-the-art in photonic integration with a focus on deployment scenarios for both telecom and datacom.

SPEAKERS

Martin Guy, *Ciena, Canada*
Frederick Kish Jr., *Infinera Corporation, USA*
Radha Nagarajan, *Inphi Corporation, USA*
James Regan, *EFFECT Photonics B.V., Netherlands*
Tom Williams, *Acacia Communications, USA*

Panel VI: SDN and Optics — What is the Business Case?

Thursday, 23 March, 12:30 - 14:00

MODERATOR

Sterling Perrin, *Heavy Reading, USA*

The optics industry was one of the first to adopt the SDN trend, once it moved out of its campus/data center origins. But, translation from optical layer technical work into operator field trials and real-world deployments has been slow relative to other areas, such as in Ethernet and routing. Still, global operator interest in bringing the benefits of SDN down to the optical layer remains high. This session is designed to move beyond the hype, focus on the optical layer, and assess the real world business benefits of combining SDN and optics.

SPEAKERS

Chris Janz, *Huawei, Canada*
Thomas Mueller, *Juniper Networks, USA*
Steve Vogelsang, *Nokia, USA*
Bill Walker, *CenturyLink, USA*

Network Operator Summit

(formerly Service Provider Summit)

Get the inside perspective from network operators.

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

ORGANIZER

Lisa Huff, *Discerning Analytics, USA*

SPONSORED BY



KEYNOTE SPEAKER

Wednesday, 22 March, 10:30 - 11:00

China Telecom's View of the All Optical Network

Chengliang Zhang, *Vice President, China Telecom, China*

Optical network technologies develop rapidly in China. Revenues from optical products in China account for roughly half of the worldwide market. With the massive deployment of 100G, FTTx and ROADM devices, the "all optical" target has never been closer. This presentation will focus on the current deployment situation of the optical network in China Telecom as well as future goals to meet new services' requirements.

Panel I: Next-Generation Access and Metro — Where is the Money?

Wednesday, 22 March, 11:00 - 12:30

MODERATOR

Julie Kunstler, *Ovum, Inc., USA*

Next-gen EPON is shipping with deployments in North America, China and Japan. XGS-PON has been pushed through the standardization process at lightning speed with initial shipments underway. Next-gen PON has been touted

to support the 1G bandwidth craze, MDUs and business services. Will next-gen PON lead to better profitability for service providers and vendors? Will it become an access solution with shipments in the millions? The panel will cover standards progress (IEEE and ITU), applications and challenges for next-gen PON and production status and forecasts for next-gen PON components and equipment.

SPEAKERS

Eddy Barker, *AT&T, USA*

Robert Howald, *Comcast, USA*

Chengbin Shen, *Shanghai Institute of China Telecom, China*

Ken-Ichi Suzuki, *NTT, Japan*

Panel II: Optical Mobile Network Access

Wednesday, 22 March, 13:30 - 15:00

MODERATOR

Zeljko Bulut, *Coriant, USA*

Fixed-Mobile convergence (FMC) has been touted for years as saving capex, opex and simplifying network management. Concurrently, IoT is regarded as a major stimulus for 5G, creating demand for small cells throughout indoor and outdoor urban areas. Fiber-based metro and access solutions are positioning themselves to support the massive amount of data to be backhauled as IoT ramps.

Will FMC finally happen? Will fixed networks and mobile networks find a common language? This panel will discuss whether IoT will drive Optical Mobile Network Access, what solutions service providers are seeking, who are the ecosystem vendors and how mobile backhaul and fronthaul need to change to support applications like IoT.

SPEAKERS

Tim Doiron, *ACG Research, USA*

Ray La Chance, *ZenFi, USA*

Hyungjin Park, *Infra Lab, KT R&D Center, South Korea*

Glenn Wellbrock, *Verizon Communications, Inc., USA*

other show floor programs

Bonus programs to help you build a competitive edge.

In addition to the largest optical communications exhibition in the world, your Exhibits Pass Plus registration admits you to bonus programs where you can focus on the solutions and issues that matter most to you. OFC delivers all the business critical solutions your network needs at one high-value event.

INTRA AND INTER DATA CENTER CONNECTIVITY

Data Center Summit: Next Generation Optical Technologies Inside the Data Center

Tuesday, 21 March, 12:15 - 13:45

The data center summit panel focuses on next generation optical technologies likely to be used inside the data center. It includes both standard and custom solutions. Panelists will discuss the evolving data center requirements from both the hyperscale and the non-hyperscale perspective.

On-board Optics — Challenges, Discoveries and the Path Forward

Wednesday, 22 March, 10:15 - 11:45

ORGANIZER
COBO

The Consortium for On-Board Optics (COBO) launched at OFC in 2015 to start the process of developing specifications for on-board or embedded optics. The panel will discuss some of the technical challenges and key learnings from the effort over the past two years. It will also look at what is next for the data center networking and the status of the newly formed coherent working group.

100G Serial Electrical to the Optical Module — OIF Debate

Tuesday, 21 March, 13:45 - 14:45

ORGANIZER
OIF

Work at the OIF is underway in the industry's effort to deliver 100 Gb/s serial electrical interfaces to optical modules. This session will present approaches to solve the modulation, equalization, reach, thermal, connector and mechanical aspects of the problem.



International Photonic Systems Roadmaps

Tuesday, 21 March, 16:00 - 17:00

ORGANIZERS

IPSR and OIDA

This session offers presentations by representatives of the coordinated institutions and manufacturing firms who are roadmapping integrated photonic systems. The emphasis will be on critical technology needs to develop a high-volume, low-cost integrated photonics supply chain that will meet the commercial needs of emerging applications.

INFRASTRUCTURE MAKEOVER AND NETWORKING

Dynamic Third Network Services for the Digital Economy and Hyper-connected World

Tuesday, 21 March, 12:30 - 13:30

ORGANIZER

MEF

This presentation will explain how Lifecycle Services Orchestration (LSO) is the critical enabler of automated and virtualized networks built with SDN and NFV. The session will cover enterprise business drivers for on-demand, agile, automated, cloud-connected connectivity services; how LSO/SDN/NFV enables service innovation and a practical roadmap for protecting legacy investments.

The Fracturing and Burgeoning Ethernet Market

Tuesday, 21 March, 11:00 - 12:00

ORGANIZER

Ethernet Alliance

This Ethernet Alliance panel will discuss the diverse applications driving Ethernet optics to new level of diversity and scale. Ethernet drives more fiber optics sales than any other protocol and new applications are pushing Ethernet to newer and faster speeds. This panel of optics and systems experts will discuss how the 100GbE market is thriving yet the fracturing of the market with the combination of form factors and optical variants may hinder low cost production unless the industry unites around a few form factors and optical variants.

How Will Fog Reshape Computing and Networking

Wednesday, 22 March, 15:30 - 17:00

ORGANIZERS

IEEE Cloud Computing, Open Fog Consortium

This panel will discuss end-to-end software architectures for enabling Fog. This will include software architectures for dynamically distributing computing, storage, networking, and control services to where they will best meet user requirements, how Fog interfaces with the Cloud and with the Things, and how to secure the distributed service architecture. The panel will also discuss the new networking infrastructures that will be required to support Fog, the new networking capabilities made possible by Fog and the impact on Optical.

Network Analytics, in the Next-generation Optical Transport

Wednesday, 22 March, 13:45 - 15:15

ORGANIZER

IEEE Big Data Initiative

A panel of senior members of network operations and engineering from service providers (traditional telecom, cable, and cloud/content) will discuss the most important characteristics, and value of network streaming telemetry and data-analytics in next generation WAN transport. It will also aim to identify the synergies among SDN, disaggregation, and big-data for transport of the next-generation of cloudbased service delivery. The panel will particularly aim to explore the key technology and system innovations in this new generation of WAN telemetry and the key similarities and differences in network monitoring and data-analytics between routing and optical transport.

OIF Interop — The Key to Unlocking the Benefits of SDN

Tuesday, 21 March, 15:00 - 16:00

ORGANIZER

OIF

The OIF helps operators unlock the benefits of SDN for their optical networks through three interrelated projects: interop demonstrations hosted by participating operators; Implementation Agreements that document the use of industry standards; and a new certification program. Learn how these help realize commercial Transport SDN deployment and the promised benefits of accelerated time-to-revenue coupled with increased operational efficiency.

Open Packet DWDM

Thursday, 23 March, 10:15 - 11:45

ORGANIZER

TIP

Meeting the demands of increasing global internet usage requires a combination of wireless connectivity and scalable, cost-effective backhaul infrastructure. The highest-performing bandwidth and reach technologies are still fiber-based — particularly switching, routing, and transport DWDM technologies. The Telecom Infra Project (TIP) is a new initiative which aims to address these challenges with Open Packet DWDM technology that uses combined packet and DWDM technology for metro and long-haul fiber optic transport networks. It enables a clean separation of software and hardware, and is based on open specifications so anyone can contribute packet or DWDM systems, components, or software.

Technological Evolution of Next Generation Optical Cross Connect

Thursday, 23 March, 13:30 - 14:30

Optical Cross Connect technology is one of the core supporting systems of the modern optical transport network. In this session, we will review major technological advances in NG-optical Cross Connect, and then introduce the potential technological developing trend.

SDN AND OPEN SOURCE

OCP, Transforming the Future of Data Centers

Tuesday, 21 March, 10:15 - 11:45

ORGANIZER

OCP

Openly sharing ideas, specifications and other intellectual property is the key to maximizing innovation and reducing operational complexity in the scalable computing space. The Open Compute

Project (OCP) mission is to connect Engineers to design and enable the delivery of the most efficient server, storage and data center hardware designs that support scalable computing. This panel will discuss how large content providers, datacenter owners, and solution providers from around the world are planning to use products that are developed under the OCP umbrella. They will share their experiences and if they are not currently using these products, what needs to change.

Open Management and Monitoring of Multilayer Webscale and Carrier Networks

Wednesday, 22 March, 12:00 - 13:30

ORGANIZER

OpenConfig

Operators face significant challenges in scaling global networks while reducing costs and delivering highly available infrastructure and services. This session will host representatives from web scale operators, carriers, and equipment manufacturers to discuss these challenges. Panelists will focus on the latest open management interfaces (OpenConfig, NETCONF, OpenFlow, etc.), new monitoring approaches such as streaming telemetry and pub/sub, and innovations in SDN and transport-SDN.

ONF: The Path Forward

Thursday, 23 March, 12:00 -13:30

ORGANIZER

ONF

This session highlights the path forward for ONF in these areas: creating standards, 5G and SDN/NFV, ONF Transports APIs and how CORD can be used by Service Providers to deliver on-demand, ZTP for Enterprise customers (E-CORD).

Transport SDN: Commercial Applications, Solutions and Innovation

Thursday, 23 March, 15:00 - 16:00

We will review the status and progress of Transport SDN commercial applications & solutions as well as current innovation areas.

OTHER

POF Symposium

Thursday, 23 March, 11:00-13:00

ORGANIZER

POFTO

The POF Symposium covers recent developments in POF technology, applications, technical standards, industry progress and new markets. Speakers from around the world will review opportunities for POF in areas such as Gigabit POF, 4K/8K ultra high definition television (UHDTV), home networking, IPTV, consumer devices, aerospace & automobile applications, POF sources & sensors, and high-temperature POF, among others.

SPONSORED COMMERCIAL SESSIONS

Advancing Optical Interoperability in Open Networks

ORGANIZER

Juniper Networks

Tuesday, 21 March, 14:00-17:00

As network operators migrate towards open, disaggregated optical transport networks, interoperability becomes increasingly critical, whether on the line side between disparate vendor elements and components or on the client side enabling high-capacity, next-generation interconnects (eg 400 GE). In Expo Theater 2, join Juniper Networks along with experts from technology partner and network operator customers to discuss the latest advancements in optical interoperability.

plenary speakers

The OFC plenary is free with the Exhibits Pass Plus registration.



URS HÖLZLE

Senior Vice President for Technical Infrastructure, Google, Inc., USA

A Ubiquitous Cloud Requires a Transparent Network

Google has been building a network unparalleled in reach, scale and capability. While we built the network as the backbone of a global super computer, we also turned the network control and management planes into distributed services running on the same Cloud. In the process, we made every network layer, including optical transport, intelligent, fault-tolerant, highly reliable and programmatically manageable to allow for rapid evolution and innovation. We have also applied the lessons of disaggregation, learned from Cloud, widely to our network infrastructure.



MEINT K. SMIT

Professor, Eindhoven University of Technology, Netherlands

Photonic Integrated Circuits for All: How Foundries Are Transforming the Prototyping of Exciting New Devices

This presentation describes the photonics foundry model and its development in Europe, explains the significant reductions in prototyping costs, and highlights foundry-model-developed-photonics-ICs across a broad range of applications.



MISCHA DOHLER

Professor, King's College, London, UK

Internet of Skills — Where Communications, Robotics and Artificial Intelligence Meet

This presentation looks at the disruptive technology approaches in wireless 5G and next-generation optical networks which will allow us to break through the next technology frontier.

Keynote: Network Operator Summit



CHENGLIANG ZHANG

Vice President, China Telecom, China

China Telecom's View of the All Optical Network

Optical network technologies develop rapidly in China. Revenues from optical products in China account for roughly half of the worldwide market. With the massive deployment of 100G, FTTx and ROADM devices, the "all optical" target has never been closer. This presentation will focus on the current deployment situation of the optical network in China Telecom as well as future goals to meet new services' requirements.



short courses

Get in-depth training. Take a Short Course.

Half day Short Courses are a good way to get clear, concise overviews of important topics in optical networking and communications. Taught by industry experts, 50 courses cover key technologies in 15 topic categories. Registration fees are required.

13 NEW SHORT COURSES

Topics covered include: Free space switching, optical amplifiers, 5G wireless and optical technologies, visible light communications, writing transport SDN applications, FPGA programming in optical subsystems and more!

short course schedule

SUNDAY, 19 MARCH		
9:00 – 12:00	SC176	Metro Network: The Transition to Ethernet
	SC177	High-speed Semiconductor Lasers and Modulators
	SC443	Optical Amplifiers: From Fundamental Principles to Technology Trends [NEW]
	SC444	Optical Communication Technologies for 5G Wireless [NEW]
	SC447	The Life Cycle of an Optical Network: From Planning to Decommissioning [NEW]
9:00 – 13:00	SC105	Modulation Formats and Receiver Concepts for Optical Transmission Systems
	SC114	Passive Optical Networks (PONs) Technologies
	SC359	Data Center Networking 101
	SC384	Background Concepts of Optical Communication Systems
13:00 – 17:00	SC267	Silicon Microphotonics: Technology Elements and the Roadmap to Implementation
	SC325	Highly Integrated Monolithic Photonic Integrated Circuits
	SC395	Modeling and System Impact of Optical Transmitter and Receiver Components
13:30 – 16:30	SC216	An Introduction to Optical Network Design and Planning
	SC430	SDN Standards and Applications
	SC433	Photodetectors for Optical Communications
13:30 – 17:30	SC203	100 Gb/s and Beyond Transmission Systems, Design and Design Trade-offs
	SC369	Test and Measurement for Metro and Long-haul Communications
	SC393	Digital Signal Processing for Coherent Optical Systems
17:00 – 20:00	SC205	Integrated Electronic Circuits for Fiber Optics
	SC217	Optical Fiber Based Solutions for Next Generation Mobile Networks
	SC328	Standards for High-speed Optical Networking
	SC372	Building Green Networks: New Concepts for Energy Reduction
	SC386	The SDN Evolution of Wireline Transport due to Cloud Services and DCI Innovations
	SC428	Link Design for Short Reach Optical Interconnects
	SC429	Flexible Networks
	SC451	Fiber-based Devices and Sensors [NEW]

MONDAY, 20 MARCH		
8:30 – 12:30	SC102	WDM in Long-haul Transmission Systems
	SC178	Test and Measurement for Data Center/Short Reach Communications
	SC327	Modeling and Design of Fiber-optic Communication Systems
	SC341	Multi-carrier Modulation: DMT, OFDM and Superchannels
	SC390	Introduction to Forward Error Correction
	SC432	[Hands-on] Silicon Photonics Component Design & Fabrication
	SC446	[Hands-on] Characterization of Coherent Opto-electronic Subsystems [NEW]
	SC453A	[Hands-on] Fiber Optic Handling, Measurements and Component Testing [NEW]
9:00 – 12:00	SC208	Optical Fiber Design for Telecommunications and Specialty Applications
	SC385	Optical Interconnects for Extreme-scale Computing
	SC411	Multi-layer Interaction in the Age of Agile Optical Networking
	SC442	Free Space Switching Systems: PXC and WSS [NEW]
	SC450	Design, Manufacturing and Packaging of Opto-electronic Modules [NEW]
13:30 – 16:30	SC261	ROADM Technologies and Network Applications
	SC431	Photonic Technologies in the Data Center
	SC445	Visible Light Communications — the High Bandwidth Alternative to WiFi [NEW]
	SC448	An Introduction to the Control and Management of Optical Networks [NEW]
13:30 – 17:30	SC160	Microwave Photonics
	SC347	Reliability and Qualification of Fiber-optic Components
	SC408	Space-division Multiplexing in Optical Fibers
	SC449	[Hands-on] An Introduction to Writing Transport SDN Applications [NEW]
	SC452	FPGA Programming for Optical Subsystem Prototyping [NEW]
	SC453B	[Hands-on] Fiber Optic Handling, Measurements and Component Testing [NEW]
	SC454	[Hands-on] Silicon Photonic Circuits and System Design [NEW]



50 SHORT COURSES COVER KEY TECHNOLOGIES IN THREE TRACKS

TRACK D: Devices, Optical Components and Fiber		PAGE NO.
D1	Advances in deployable optical components, fibers and field installation equipment	23
D2	Passive optical devices and circuits for switching and filtering	23
D3	Active optical devices and photonic integrated circuits	24
D4	Fiber and propagation physics	25
D5	Fiber-optic and waveguide devices and sensors	25
TRACK S: Systems and Subsystems		
S1	Advances in deployable subsystems and systems	25
S2	Optical, photonic and microwave photonic subsystems	26
S3	Radio-over-fiber, free-space and non-telecom systems	26
S4	Digital and electronic subsystems	26
S5	Digital transmission systems	27
TRACK N: Networks, Applications and Access		
N1	Advances in deployable networks and their applications	28
N2	Control and management of optical & multilayer networks	28
N3	Network architectures and techno-economics	29
N4	Optical access networks for fixed mobile services	29
N5	Network Operator Summit and Market Watch (invited program only)	
DSN6	Optical devices, subsystems and networks for Datacom and Computercom	29

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*

SC347 – Reliability and Qualification of Fiber-Optic Components

David Maack, *Corning, USA*

SC450 – Design, Manufacturing and Packaging of Opto-electronic Modules [NEW]

Kevin Williams, *Eindhoven University of Technology, Netherlands*

Arne Leinse, *LioniX International, Netherlands*

Twan Korthorst, *Phoenix Software, Netherlands*

SC453A and B – [Hands-on] Fiber Optic Handling, Measurements and Component Testing [NEW]

Chris Heisler, *OptoTest Corporation, USA*

Loic Cherel, *Data-Pixel, France*

Steve Baldo, *Seikoh Gikken, USA*

Keith Foord, *Greenlee Communications, USA*

D2: PASSIVE OPTICAL DEVICES AND CIRCUITS FOR SWITCHING AND FILTERING

SC261 – ROADM Technologies and Network Applications

Thomas Strasser, *Nistica Inc., USA*

SC267 – Silicon Microphotronics: 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*

SC432 – [Hands-on] Silicon Photonics Component Design & Fabrication

Loukas Chrostowski, *University of British Columbia, Canada*

SC442 – Free Space Switching Systems: PXC and WSS [NEW]

David Neilson, *Nokia Bell Labs, USA*

D3: ACTIVE OPTICAL DEVICES AND PHOTONIC INTEGRATED CIRCUITS

SC177 – High-speed Semiconductor Lasers and Modulators

John Bowers, *University 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, *University 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 – Photodetectors for Optical Communications

Joe Campbell, *University of Virginia, USA*

SC442 – Free Space Switching Systems: PXC and WSS [NEW]

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] Silicon Photonic Circuits and Systems Design [NEW]

Loukas Chrostowski, *University of British Columbia, Canada*

Chris Doerr, *Acacia Communications, 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 – Space Division Multiplexing in Optical Fibers

Roland Ryf, *Nokia Bell Labs, USA*

D5: FIBER-OPTIC AND WAVEGUIDE DEVICES AND SENSORS

SC451 – Fiber-based Devices and Sensors [NEW]

Zuyuan He, *Shanghai Jiao Tong University, China*

William Shroyer, *SageRider, Inc., USA*

SC453A and B – [Hands-on] Fiber Optic Handling, Measurements and Component Testing [NEW]

Chris Heisler, *OptoTest Corporation, USA*

Loic Cherel, *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

Frank J. Effenberger, *Futurewei Technologies, 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

Stephen Trowbridge, *Nokia, 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 – Flexible Networks

David Boertjes, *Ciena, Canada*

SC442 – Free Space Switching Systems: PXC and WSS [NEW]

David Neilson, *Nokia Bell Labs, USA*

S2: OPTICAL, PHOTONIC AND MICROWAVE PHOTONIC SUBSYSTEMS

SC114 – Passive Optical Networks (PONs) Technologies

Frank J. Effenberger, *Futurewei Technologies, USA*

SC261 – ROADM Technologies and Network Applications

Thomas Strasser, *Nistica Inc., USA*

SC372 – Building Green Networks: New Concepts for Energy Reduction

Rod Tucker, *University of Melbourne, Australia*

SC442 – Free Space Switching Systems: PXC and WSS [NEW]

David Neilson, *Nokia Bell Labs, USA*

SC443 – Optical Amplifiers: From Fundamental Principles to Technology Trends [NEW]

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 [NEW]

Robert Palmer and Harald Rohde, *Coriant, Germany*

S3: RADIO-OVER-FIBER, FREE-SPACE AND NON-TELECOM 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 [NEW]

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 Chandrasekhar Sethumadhavan, *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, *University 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 [NEW]

Robert Palmer and Harald Rohde, *Coriant, Germany*

SC452 – FPGA Programming for Optical Subsystem Prototyping [NEW]

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, *Coriant, Germany*

SC408 – Space Division Multiplexing in Optical Fibers

Roland Ryf, *Nokia Bell Labs, USA*

SC429 – Flexible Networks

David Boertjes, *Ciena, Canada*



TRACK N **Networks, Applications** **and Access**

N1: ADVANCES IN DEPLOYABLE **NETWORKS AND THEIR** **APPLICATIONS**

SC176 – Metro Network: **The Transition to Ethernet**

Loudon Blair, *Ciena Corp., USA*

SC216 – An Introduction to Optical **Network Design and Planning**

Jane M. Simmons, *Monarch Network*
Architects, USA

SC359 – Datacenter Networking 101

Cedric Lam and Hong Liu, *Google, USA*

SC447 – The Life Cycle of an **Optical Network: From Planning to** **Decommissioning [NEW]**

Andrew Lord, *BT Labs, BT, UK*

N2: CONTROL AND MANAGEMENT **OF OPTICAL AND MULTILAYER** **NETWORKS**

SC386 – The SDN Evolution of **Wireline Transport due to Cloud** **Services and DCI Innovations**

Loukas Paraschis, *Infinera, USA*

SC411 – Multi-layer Interaction in **the Age of Agile Optical Networking**

Ori A. Gerstel, *Sedona Systems, Israel*

SC429 – Flexible Networks

David Boertjes, *Ciena, Canada*

SC430 – SDN Standards and **Applications**

Lyndon Y. Ong, *Ciena, USA*

SC448 – An Introduction to the **Control and Management of Optical** **Networks [NEW]**

Ramon Casellas, *CTTC, Spain*

SC449 – [Hands-on] Introduction to **Writing Transport SDN Applications** **[NEW]**

Ricard Vilalta, *CTTC, Spain*
Karthik Sethuraman, *NEC Corporation*
of America, USA

N3: NETWORK ARCHITECTURES AND TECHNO-ECONOMICS

SC176 – Metro Network: The Transition to Ethernet

Loudon Blair, *Ciena Corp., USA*

SC216 – An Introduction to Optical Network Design and Planning

Jane M. Simmons, *Monarch Network Architects, USA*

SC328 – Standards for High-speed Optical Networking

Stephen Trowbridge, *Nokia Bell Labs, USA*

SC372 – Building Green Networks: New Concepts for Energy Reduction

Rod S. Tucker, *University of Melbourne, Australia*

SC384 – Background Concepts of Optical Communication Systems

Alan Willner, *Univ. of Southern California, USA*

SC429 – Flexible Networks

David Boertjes, *Ciena, Canada*

SC447 – The Life Cycle of an Optical Network: From Planning to Decommissioning [NEW]

Andrew Lord, *BT Labs, BT, UK*

N4: OPTICAL ACCESS NETWORKS FOR FIXED AND MOBILE SERVICES

SC114 – Passive Optical Networks (PONs) Technologies

Frank J. Effenberger, *Futurewei Technologies, USA*

SC444 – Optical Communication Technologies for 5G Wireless [NEW]

Xiang Liu, *Futurewei Technologies, 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

Cedric Lam and Hong Liu, *Google, USA*

SC385 – Optical Interconnects for Extreme-scale Computing

John Shalf, *Lawrence Berkeley National Laboratory, USA*

Keren Bergman, *Columbia University, USA*

SC386 – The SDN Evolution of Wireline Transport due to Cloud Services and DCI Innovations

Loukas Paraschis, *Infinera, 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*

registration

Registration Categories	Full Conference Registration	Exhibits Pass Plus**
Advance Registration thru 20/02/17		
Member *	\$665	\$0
Nonmember	\$835	\$0
Student Member *	\$195	\$0
Student Nonmember	\$235	\$0
Registration after 20/02/17		
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 (formerly the Service Provider Summit)	•	•
OFC Career Zone	•	•
Workshops	•	•
Poster Sessions	•	•
Conference Reception	•	
Conference Program Book	•	
Technical Digest (on USB Drive)	•	
Postdeadline Papers Book	•	
Exhibits 2017 Buyers' Guide	•	•

* Member of IEEE Communications Society, IEEE Photonics Society or The Optical Society

** Not for use by technical program presidents, poster presenters or speakers

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 OFC Career Zone, workshops, poster sessions and Exhibits 2017 Buyers' Guide.

	Advance Registration thru 20/02/17**	Registration after 20/02/17**
Member*		
Half Day	\$275	\$335
Hands-on	\$335	\$385
SC432	\$435	\$485
Nonmember		
Half Day	\$350	\$410
Hands-on	\$410	\$480
SC432	\$510	\$580

* Member of IEEE Communications Society, IEEE Photonics Society or The Optical Society

** All Short Course registration fees are listed in US dollars

hotel

onPeak is the official hotel vendor for OFC 2017. onPeak brings you unbeatable rates at a variety of popular hotels within walking distance to the Los Angeles Convention Center. We have negotiated exclusive room discounts to help you save money on your trip. When you reserve a room through onPeak, 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 ofconference.org/hotel

Los Angeles Convention Center

1201 S Figueroa St.

Los Angeles, California 90015

	Convention Center Distance	Rates from (per night)*
Courtyard Los Angeles L.A. LIVE	.2 miles	\$248
DoubleTree Hotel (formerly Kyoto)	2.9 miles	\$239 SGL \$259 DBL
FreeHand Hotel	.2 miles	\$229
Hilton Checkers	1 mile	\$265
Hotel Indigo	.3 miles	\$265
JW Marriott Los Angeles at L.A. Live	.2 miles	\$292
Kawada Hotel	1.7 miles	\$169
LA Hotel Downtown	1.6 miles	\$211
LUXE Hotel	.2 miles	\$252
Millennium Biltmore Hotel	1.1 miles	\$228
O Hotel	.8 miles	\$199
Omni Los Angeles	1.5 miles	\$259
Residence Inn Los Angeles LA Live	.2 miles	\$258
Grand Sheraton LA Downtown	.8 miles	\$254
The Line Hotel	2.2 miles	\$239
The Ritz Carlton	.3 miles	\$411
The Standard	.9 miles	\$209
Westin Bonaventure Hotel and Suites	1.7 miles	\$248

* Hotel rates are listed in US dollars and do not include taxes or any hotel fees.

OFC

The future of optical networking
and communications

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

Your FREE Exhibits Pass Plus...600+ Exhibits and Much More!

- **BUILD AND MAINTAIN** professional contacts
- **MEET** with vendors
- **FIND** the full range of companies in the industry from components to systems
- **GET SOLUTIONS** to your current business challenges
- **DON'T MISS** three days of free show floor programming in OFC's three expo theaters!

**Register online now.
Save time later.**

Exhibits Pass Plus registration
provides free access to the
3-day exhibition and show
floor programs.

FEBRUARY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

**Advance Registration
Ends 20 February 2017**

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