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News Release

OFS to Present Series of Sessions at OFC/ NFOEC 2015 Conference

OFC/ NFOEC 2015, Booth 2111, Los Angeles, California, March 23, 2015 - OFS, a leading designer, manufacturer and supplier of innovative fiber optic network products and solutions will showcase continued technical and industry leadership in a series of events at the annual OFC/ NFOEC conference to be held at the Los Angeles Convention Center in Los Angeles, California from 22-26 March 2015.

In addition to multiple invited and contributed technical papers, OFS has contributed to the organization of several workshops and symposia covering a range of topics from optical components to network architecture. In addition, John George, Director Solutions and Professional Services for OFS will be moderate the featured panel, **FTTH Indoor Optical Fiber Installation Technologies**, on Thursday, 26 March from 8:00 AM – 10:00 AM in Room 411. This panel will explore the carrier experience and requirements as well as available solutions for faster installation for labor savings and aesthetics as fiber moves inside the home and office with the Gigabit PON roll out. Leading experts from AT&T, NTT, Orange, and Verizon will present their perspectives.

The dates and titles of OFS presentations, technical contributions and industry events are:

Monday, 23 March 2015 | 9:00 AM – 12:00 PM, Short Course
Optical Fiber Designs for Telecommunications and Specialty Applications
Optical fiber design remains a robust field for innovation in both telecom and nontelecom applications. As worldwide bandwidth demand continues to grow, new fiber types and fiber-based components can increase speed, reduce cost and improve the bandwidth of communications networks.

Monday, 23 March 2015 | 9:00 AM – 12:00 PM, Workshop
Where Will The Real Value Of SDM Research Be Realized First? Will It Be In Telecom Or Non-Telecom Applications
Discussions of the possible applications or developments based on SDM and its technologies, in support of telecom/datacom and also non-telecom applications, with the goal of identifying the best possible use of these technologies and how they compare with existing alternative technologies are covered in this workshop.

Monday, 23 March 2015 | 2:00 PM - 2:30PM, Technical Contribution
Recent Advances in Low DGD Few-mode Fiber Design, Fabrication, Characterization and Experiments
Design principles for low loss and control of mode coupling, fabrication results for DGD control, and characterization techniques are briefly reviewed. Experimental results for fibers supporting three or six spatial modes are presented (Invited).

Monday, 23 March 2015 | 4:30PM, Technical Contribution
Experimental Demonstration of Long-Distance Analog Transmission over Few-Mode Fibers
Demonstration of the first FMF-based analog fiber-optic link to increase link gain and reduce intermodulation distortions is covered in this session. Compared with SMF, FMF-based link increased input power by 3 dB and reduced third-order intermodulation distortion by 3 dB.

Monday, 23 March 2015 | 5:00 PM, Technical Contribution
Single Mode Hollow Core Photonic Crystal Fibers
For the first time 100Gb/s transmission using commercial low latency hardware is demonstrated over the longest manufactured hollow-core fiber (2.75km) to date, proving the feasibility of ultra-low latency intra-data center connectivity (Invited).

Tuesday, 24 March 2015 | 4:45PM, Technical Contribution
High-speed Polarization Shift Keying Lightpath Labeling of 100 Gb/s DP-QPSK for Programmable Photonic Networks
Presentation of theoretical and experimental results on PolSK lightpath labels for 100 Gb/s DP-QPSK signals is covered in this session. A 100 Mb/s label data rate is confirmed, with several coding overhead ratios and PDL tolerance of up to 2dB.

Wednesday, 25 March 2015 | 10:00AM, Technical Contribution
Demonstration of a 9 LP-Mode Transmission Fiber with Low DMD and Loss
OFS Labs team experimentally demonstrate a 9 LP-mode (15 spatial modes) fiber with low DMD, confirmed by both time of flight and S2 measurements. Low loss (~0.2dB/km) is verified by OTDR measurement of the individual mode groups.

Wednesday, 25 March 2015 | 8:00 AM, Workshop
Beyond the Gold Box: The Future of Integrated Optics
This symposium will focus on how packaging and integration may be used to lower cost for different applications in the network. A consistent theme will be a focus on optimizing the integration of optics and electronics as a pathway to dramatically reduce the cost of traditional "gold box," optical modules.

Wednesday 25 March 2015 | 1:45 PM, Technical Contribution
70 nm Seamless Band Transmission of 17.3 Tb/s over 40x100km of Fiber using Complementary Raman/EDFA
Demonstrated 70nm seamless band transmission of 173x128Gb/s QPSK signals over 40x100km of TeraWave™ fiber. The complementary Raman/EDFAs and wide-band single-stage discrete Raman amplifiers were used to achieve this 17.3Tb/s capacity ultra-wide single-band transmission.

For further detail on all of the presentations and sessions by OFS please visit the OFC Conference website. For more information on these and other OFS products, stop by the OFS booth #2111 or visit www.ofsoptics.com.

About OFS

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTX and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and

Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today's and tomorrow's digital and energy consumers and businesses.

OFS' corporate lineage dates back to 1876 and includes technology powerhouses such as AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

For more information, please visit www.ofsoptics.com.

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