

OFS to Present Series of Sessions and Newly Published Silicon Photonics Book at OFC 2017 Conference

OFC 2017, Booth 2925, Los Angeles, California, March 20, 2017 - 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 Conference to be held at the Los Angeles Convention Center, California from 19-23 March.

In addition to multiple contributed technical papers, Daryl Inniss, Director of New Business Development for OFS, will be debuting his co-authored new publication, *Silicon Photonics | Fueling the Next Information Revolution*. The book discusses the trends driving the datacom and telecom industries, the main but not the only market for silicon photonics. In particular, developments in optical transport and the data center are discussed, as are the challenges. The book details the many roles silicon photonics will play, from wide area networks down to chip level integration.

The dates and titles of OFS presentations and technical contributions are:

Monday, 20 March 2017 | 2:00 PM

M2D.1 Mode, MIMO-free OAM Transmission

Kasper Ingerslev; Patrick Gregg; Michael Galili; Francesco Da Ros; Hao Hu; Fangdi Bao; Mario A. Usuga Castaneda; Poul Kristensen; Andrea Rubano; Lorenzo Marrucci; Siddharth Ramachandran; Karsten K. Rottwitt; Toshio Morioka; Leif K. Oxenlowe

Simultaneous MIMO-free transmission of a record number (12) of orbital angular momentum modes over 1.2 km is demonstrated. WDM compatibility of the system is shown by using 60 WDM channels with 25 GHz spacing and 10 GBaud QPSK.

Tuesday, 21 March 2017 | 3:45PM

Tu2B. 64 λ x 100Gbps VCSEL PAM-4 Transmission over 105m of Wideband Multimode Fiber

Justin Lavrencik; Siddharth Varughese; Varghese A. Thomas; Gary Landry; Yi Sun; Roman Shubochkin; Kasyapa Balemarthy; Jim Tatum; Stephen E. Ralph

Demonstration of 100 Gbps PAM-4 transmission over 105 m of wideband-MMF for each of four wavelengths from 850nm to 940nm using 25G VCSELs and thereby demonstrate an architecture that enables 400G over a single MMF.

Thursday, 23 March 2017 | 8:45AM

Th1F.4 C- to L- band Wavelength Conversion Enabled by Parametric Processes in a Few Mode Fiber

Francesca Parmigiani, Yongmin Jung, Peter Horak, Lars Grüner-Nielsen, Tommy Geisler, Periklis Petropoulos, David J. Richardson;

Propose and experimentally demonstrate the potential for all-optical wavelength conversion within and between the C- and L-bands using inter-modal four-wave-mixing processes among different phase-matched and dispersion-tailored spatial modes in a single elliptical-core few mode fiber.

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 #2925 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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