

OIF and Ethernet Alliance Join Forces to Operate Live FlexE Traffic Running over 400G Network at OFC

SAN DIEGO – March 8, 2018 – Industry leading organizations, the [Optical Internetworking Forum](#) (OIF) and the [Ethernet Alliance](#), today announced an interoperating 400 Gbps Ethernet (400 GbE) network demonstration at OFC in San Diego, CA, March 13-15, 2018. The joint demonstration will feature 400 Gbps of Flex Ethernet (FlexE) traffic sent over four bonded 100 GbE interfaces streaming over the Ethernet Alliance 400 GbE network and interconnecting the OIF and Ethernet Alliance booths on the exhibit floor.

The demonstration is designed to showcase the Ethernet Alliance's IEEE 802.3bs 400 Gbps technology recently ratified in December 2017 and the OIF's FlexE 1.1 Implementation Agreement (IA).

"This collaborative effort is the ideal opportunity for the OIF to demonstrate the capabilities of its FlexE specification," according to Nathan Tracy, the OIF's VP of Marketing and Technologist at TE Connectivity. "The Ethernet Alliance's deployment of the 400 GbE network over OFC's exhibit floor demonstrates the initial availability of the developing 400 Gbps ecosystem."

"We're pleased to be able to make our 400 GbE network available to the OIF for this demonstration at OFC," said the Ethernet Alliance's chairman John D'Ambrosia, Huawei. "The OIF's FlexE technology is yet another example of the flexibility that the Next Ethernet Era will enable. We applaud the OIF's work to leverage Ethernet solutions as the basis of their FlexE implementation agreement."

Furthering its mission to promote the development and deployment of interoperable networking solutions and services, the OIF will showcase a variety of projects, including an industry-first, during OFC. The OIF booth, host to 14 member companies, will feature five separate, multi-party, demonstrations featuring device and component interoperability. Two FlexE demos will showcase the bonding, subrating and channelization capabilities of the released FlexE 1.1 IA. Separately, a high speed electrical demo will feature the OIF's recently released CEI-4.0 56 Gbps PAM4 VSR (chip to module) electrical interface in a configuration that includes electrical to optical to electrical operation. Finally, two additional demos will feature 112 Gbps serial (single channel) electrical signaling in a VSR (chip to module) application and a direct attach copper cable implementation.

The member companies participating in the OIF demo, booth 5525, include Amphenol Corporation (NYSE: [APH](#)); Credo Semiconductor; FiberHome Telecommunications Technologies Co., Ltd.; Finisar (NASDAQ: [FNSR](#)); Huawei Technologies Co.,Ltd.; Inphi Corporation (NYSE: [IPI](#)); Keysight Technologies (NYSE: [KEYS](#)); Molex, LLC; TE Connectivity Ltd. (NYSE: [TEL](#)); Tektronix Inc. (NYSE: [TEK](#)); VIAVI Solutions (NYSE: [VIAV](#)); Xilinx, Inc. (NASDAQ: [XLNX](#)); Yamaichi Electronics and ZTE Corporation. For more info on OIF's activities at OFC, please visit www.oiforum.com/meetings-and-events/oif-ofc-2018

The next Ethernet era is underway, and the Ethernet Alliance OFC 2018 multivendor technology demonstration is one of the many steps the Ethernet Alliance is making in support of

interoperable, next-generation technologies, such as PAM4. The demo showcases technologies from copper to optical interconnects at rates of 10 GbE to 400 GbE, as well as a live 400 GbE network. This OFC 2018 demonstration illustrates the innovations that can happen when you have the whole of the Ethernet ecosystem fully committed to bringing tomorrow's networks to life today.

Happening in booth #2648, the Ethernet Alliance's OFC 2018 demo incorporates equipment and solutions from 17 different companies: Amphenol Corporation (NYSE: [APH](#)); Anritsu Company (TSE: 6754); Arista Networks, Inc. (NYSE: [ANET](#)); Cisco Systems, Inc. (NASDAQ: [CSCO](#)); Commscope Holding Company, Inc. (NASDAQ: [COMM](#)); EXFO, Inc. (NASDAQ: [EXFO](#)); Finisar (NASDAQ: [FNSR](#)); Huawei Technologies Co.,Ltd.; Keysight Technologies (NYSE: [KEYS](#)); Juniper Networks; Molex, LLC; Nexans S.A. (EPA: [NEX](#)); Source Photonics, Inc.; Spirent Communications (LSE: [SPT.L](#)); TE Connectivity Ltd. (NYSE: [TEL](#)); Teledyne LeCroy, Inc. (NYSE: [TDY](#)); and Xilinx, Inc. (NASDAQ: [XLNX](#)).

[About the OIF](#)

The OIF facilitates the development and deployment of interoperable networking solutions and services. Members collaborate to drive Implementation Agreements (IAs) and interoperability demonstrations to accelerate and maximize market adoption of advanced internetworking technologies. OIF work applies to optical and electrical interconnects, optical component and network processing technologies, and to network control and operations including software defined networks and network function virtualization. The OIF actively supports and extends the work of national and international standards bodies. Launched in 1998, the OIF is the only industry group uniting representatives from across the spectrum of networking, including many of the world's leading service providers, system vendors, component manufacturers, software and testing vendors. Information on the OIF can be found at <http://www.oiforum.com>

[About the Ethernet Alliance](#)

The Ethernet Alliance is a global consortium that includes system and component vendors, industry experts, and university and government professionals who are committed to the continued success and expansion of Ethernet technology. The Ethernet Alliance takes Ethernet standards to market by supporting activities that span from incubation of new Ethernet technologies to interoperability demonstrations and education.

PR Contact:

Leah Wilkinson

Wilkinson + Associates for the OIF

Email: leah@wilkinson.associates

Mobile: 703-307-3964