NEWS RELEASE

Lumentum to Highlight and Present Latest Innovations at OFC 2021 Virtual Event

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Lumentum introduces new 400G CFP2-DCO coherent modules, enhanced PAM4 DMLs with 2 km reach for 400G+ applications, and expanded WSS capability
SAN JOSE, Calif., June 3, 2021 /PRNewswire/ -- Lumentum Holdings Inc. ("Lumentum"), an industry-leading provider of next-generation optical communications solutions, today announced the company will highlight its latest innovations for telecom, 5G wireless, cable and fiber access, and hyperscale data center networks at the virtual Optical Fiber Communication Conference (OFC) from June 7 – 11, 2021.

Attendees at the virtual exhibition will have an opportunity to watch live presentations on key topics and trends in the industry from company thought leaders, request a meeting with representatives, and discover digital content highlighting Lumentum's comprehensive optical communications portfolio including high-performance datacom laser chips, flexible coherent network transmission, next-generation TrueFlex® ROADM solutions, and ultra-high-reliability pump lasers.

High-Performance 400G CFP2-DCO Coherent Transmission Modules

Building on the success of its 200G CFP2-DCO coherent pluggable transceiver modules, Lumentum has announced its latest innovation—the 400G CFP2-DCO—to its high-performance coherent transmission portfolio. These modules enable next-generation data center interconnects (DCI) and metro/regional to long-haul coherent networks at bit rates of 100G, 200G, 300G, and 400G.

The new flex-coherent module supports all major industry initiatives including OpenROADM, OpenZR+, and OIF 400G ZR. It also adds numerous innovative proprietary modes when best performance is needed and cross-vendor interoperability is not. In addition, it supports L1 encryption, Link Layer Discovery Protocol, and Overhead IO channel. Currently, the 400G CFP2-DCO is shipping as beta samples with production release planned for the third quarter of 2021. To sample the 400G CFP2-DCO, contact a Lumentum representative at customer.service@lumentum.com.

High-Speed 100G PAM4 DML for up to 2 km Data Center Reach 400G+ Applications

Data center infrastructures are evolving toward 800G and beyond to address the exponential growth of intra-data center traffic, which requires cost-effective and power-efficient indium phosphide (InP)

laser solutions at higher speed and reliability. In response, Lumentum has enhanced its latest 100G PAM4 (53 Gbaud) directly-modulated laser (DML) to expand the usage from 500 m for 100G DR and 400G DR4 and 100 m for 800G PSM8 DR4, to also transmit up to 2 km for 100G FR and 400G FR4 CWDM transceiver module applications.

These DMLs satisfy the needs of customers seeking lower cost and lower power consumption solutions by providing a smaller footprint with fewer components needed to operate in high-speed transceiver applications. To request beta samples of the new 100G PAM4 DML for 2 km applications, contact a Lumentum representative at customer.service@lumentum.com.

Expanded Capability for Industry-leading TrueFlex® WSS Solutions

Lumentum's comprehensive portfolio of wavelength selective switches (WSS) has further expanded to support all spectral bands, including C-band, L-band, and extended C-band, within all of its industry-leading WSS solutions that are at the core of next-generation colorless, directionless, and contentionless (CDC) and colorless, directionless (CD) ROADM architectures. Additionally, Lumentum has reinforced their exceptional manufacturing scale with production, agility, and flexibility to rapidly respond to changes in requested build configurations and spectral bands across any of its high-performance WSS products. Lumentum's best-in-class lead on WSS delivery continues to be a critical enabler for network operators worldwide as they resume buildouts of massively-scalable and flexible high-capacity optical networks.

Presentations and Papers

"EA-DFB and DML Technologies for Post 400gbe Applications" – Workshop
Sunday, June 6, 2021 – 5:00 p.m. to 7:30 p.m. PDT
Shigehisa Tanaka, Engineering Development Director, Datacom

"224-Gb/s PAM4 Uncooled Operation of Lumped-electrode EA-DFB Lasers with 2 km Transmission for 800GbE Application" – Technical Paper
Tuesday, June 8, 2021 – 3:00 a.m. to 3:15 a.m. PDT
Syunya Yamauchi, Principal Optical Engineer, Datacom

"106-Gb/s PAM4 Operation of Directly Modulated DFB Lasers from 25 to 70ºC for Transmission over 2 km SMF in the CWDM range" – Technical Paper
Tuesday, June 8, 2021 – 3:45 a.m. to 4:00 a.m. PDT
Takayuki Nakajima, Optical Engineer, Datacom

"5G Optics - Mobile Optical Solutions and Standards" – Panel
Thursday, June 10, 2021 – 10:30 a.m. to 11:30 a.m. PDT
Justin Abbott, Product Marketing Director, Transmission

"3D Sensing Beyond Gesture Recognition" – Technology Showcase
Thursday, June 10, 2021 – 11:00 a.m. to 11:30 a.m. PDT
Jay Skidmore, Vice President, R&D, 3D Sensing

"3D Sensing Uses in Consumer and Automotive Markets" – Market Focus Panel
Thursday, June 10, 2021 – 1:30 p.m. to 2:30 p.m. PDT
Jay Skidmore, Vice President, R&D, 3D Sensing

About Lumentum

Lumentum (NASDAQ: LITE) is a market-leading designer and manufacturer of innovative optical and photonic products enabling optical networking and laser applications worldwide. Lumentum optical components and subsystems are part of virtually every type of telecom, enterprise, and data center network. Lumentum lasers enable advanced manufacturing techniques and diverse applications including next-generation 3D sensing capabilities. Lumentum is headquartered in San Jose, California with R&D, manufacturing, and sales offices worldwide. For more information, visit www.lumentum.com.

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