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EMCORE to Introduce New OBI Mitigated Radio Frequency over Glass Optical Networking Unit Transceiver at ANGACOM 2017

ALHAMBRA, Calif., May 24, 2017 (GLOBE NEWSWIRE) -- EMCORE Corporation (NASDAQ:EMKR), a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's high-speed communication network infrastructures and leading-edge defense systems, announced today the introduction of its revolutionary new Radio Frequency over Glass (RFoG) Optical Networking Unit (ONU) Transceiver. EMCORE's RFoG ONU is an OBI (Optical Beat Interference) mitigated design utilizing the Company's breakthrough Linear Externally Modulated Laser (L-EMLTM). EMCORE will debut its new RFoG ONU at ANGACOM 2017 in hall 8, booth #Q60 at the Cologne Congress Center, Cologne, Germany from May 30 — June 1.

RFoG technology enables cable operators to offer a Fiber-to-the-Premise (FTTP) type architecture without changes to standard equipment in the headend or central office. The RFoG ONU resides at the customer's location and provides the interface between the optical network and the subscriber coaxial network.

EMCORE's RFoG ONU Transceiver is designed to support standard CATV downstream and upstream transmission bands for triple-play voice, video and data signals in single family and multiple-dwelling unit applications. Downstream it receives a 1550 nm forward path optical signal carrying an RF cable television spectrum up to 1.2 GHz, making it compatible with the cable industry's DOCSIS 3.1 standard. For return path, it supports digital upstream transmission utilizing an L-EMLTM transmitter operating at 1610 nm that supports a 5-85 MHz spectrum. EMCORE's RFoG ONU is compliant with the SCTE (Society of Cable Telecommunications Engineers) RF over Glass specification.

"We are very excited to bring to market our new RFoG ONU and introduce it at ANGACOM this year," said Jeffrey Rittichier, President and CEO of EMCORE. "This exciting new product introduction will significantly improve RFoG network performance in high-density customer environments by virtually eliminating the effects of OBI. Units will begin to ship soon to select cable MSOs with production expected to ramp-up over the coming months," added Rittichier.

EMCORE's RFoG achieves OBI mitigation through proprietary upstream laser wavelength management. It features 6KV surge withstand on all coax ports, less than 1.0 μ s upstream laser activation/deactivation time with low idle state power usage, and is UL, EMC and FCC part 15B compliant.

To find out more about EMCORE's new RFoG ONU Transceiver and the Company's complete line of cable network solutions, please visit us at ANGACOM 2017 in hall 8, booth #Q60 at the Cologne Congress Center, Cologne, Germany from May 30 — June 1.

About EMCORE

EMCORE Corporation is a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's high-speed communication network infrastructures and leading-edge defense systems. Our optical chips, components, subsystems and systems enable broadband and wireless providers to continually enhance their network capacity, speed and coverage to advance the free flow of information that empowers the lives of millions of people daily. The *Mixed-Signal Optics* technology at the heart of our broadband transmission products is shared with our fiber optic gyros and military communications links to provide the aerospace and defense markets state-of-the-art systems that keep us safe in an increasingly unpredictable world. EMCORE's performance-leading optical components and systems serve a broad array of applications including cable television, fiber-to-the-premise networks, telecommunications, wireless infrastructure, satellite RF fiber links, navigation systems and military communications. EMCORE has fully vertically-integrated manufacturing capability through its world-class Indium Phosphide (InP) wafer fabrication facility at our headquarters in Alhambra, California and is ISO 9001 certified in Alhambra, and at our facilities in Warminster, Pennsylvania and China. For more information, please visit www.emcore.com.

Forward-looking statements:

The information provided herein may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include statements regarding EMCORE's plans, strategies, business prospects, growth opportunities, changes and trends in our business and expansion into new markets. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about EMCORE and are subject to risks and uncertainties that could cause actual results and events to differ materially from those stated in the forward-looking statements, including without limitation, the

following: (a) the rapidly evolving markets for EMCORE's products and uncertainty regarding the development of these markets; (b) EMCORE's historical dependence on sales to a limited number of customers and fluctuations in the mix of products and customers in any period; (c) delays and other difficulties in commercializing new products; (d) the failure of new products: (i) to perform as expected without material defects, (ii) to be manufactured at acceptable volumes, yields, and cost, (iii) to be qualified and accepted by our customers, and (iv) to successfully compete with products offered by our competitors; (e) uncertainties concerning the availability and cost of commodity materials and specialized product components that we do not make internally; (f) actions by competitors; and (g) other risks and uncertainties discussed under Item 1A - Risk Factors in our Annual Report on Form 10-K for the fiscal year ended September 30, 2015, as updated by our subsequent periodic reports. Forward-looking statements contained in this press release are made only as of the date hereof, and EMCORE undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

Contact:

EMCORE Corporation

Gyo Shinozaki
Vice President of Marketing
(626) 293-3616
gyo_shinozaki@emcore.com

Media
Joel Counter
Manager, Corporate Marketing Communications
(626) 999-7017
media@emcore.com

Investor

Erica Mannion
Sapphire Investor Relations, LLC
(617) 542-6180
investor@emcore.com