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## **EMCORE Introduces New EMP-3, EMP-4 and EMP-7 Precision Fiber Optic Gyro Modules for UAV and Missile Guidance, Navigation and Aeronautics**

ALBUQUERQUE, N.M., Aug. 13, 2013 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optics and space solar power markets, today announced the release of the new EMP-3, EMP-4 and EMP-7 Fiber Optic Gyroscope (FOG) modules, expanding the Company's EMP FOG platform with the latest generation navigational grade fiber optic gyro technology.

The EMP-3, EMP-4 and EMP-7 augment EMCORE's FOG product line between the tactical grade EMP-1 and the navigational grade EMP-1.2K. These latest models feature performance specifications ideal for medium accuracy platform stabilization applications such as camera systems used in aircrafts and Unmanned Aerial Vehicles (UAVs), as well as a variety of other guidance, navigation and aeronautics applications. The availability of these new navigational grade models provides customers with greater flexibility to choose the performance parameters that best meet their application.

EMCORE's latest EMP-3, 4 and 7 FOG modules operate over a broad distance range with a typical bias drift from 0.2 degrees per hour for the EMP-3, to a mere 0.005 for the EMP-7. Bias drift is an important measure of accuracy and precision of the FOG, with lower bias models delivering higher performance overall. Like all EMCORE FOG modules, the EMP-3, EMP-4 and EMP-7 feature advanced integrated optics and closed-loop Digital Signal Processing (DSP) electronics to deliver higher accuracy, lower noise, greater efficiency, improved drift stability and higher linearity than competing technologies.

EMCORE develops most of the key FOG components internally including the optical transceiver and the lithium-niobate modulator. This allows performance parameters to be customized to specific customer requirements at price levels equivalent to, or less than that of lower-performance open-loop designs. Like the original EMP-1 and EMP-1.2K modules, the EMP-3, 4 and 7 are compact, lightweight and rugged, with very low power consumption requirements.

"These latest additions to our EMP FOG platform further leverages EMCORE's unique vertical integration capabilities to expand our product line with navigational grade models that deliver greater precision and customization flexibility to our customers," said Dr. K.K. Wong, Director of Fiber Optic Gyro Products for EMCORE. Frank Weiss, EMCORE's Vice President of Advanced Systems, added, "Our latest FOG modules models achieve new standards in price-performance within the highly-flexible EMP platform."

EMCORE's complete line of FOG products will be featured at AUVSI's Unmanned Systems Conference, August 13-15 in booth #1949 at the Walter E. Washington Convention Center in Washington, DC.

### **About EMCORE**

EMCORE Corporation offers a broad portfolio of compound semiconductor-based products for the fiber optics and space solar power markets. EMCORE's Fiber Optics business segment provides optical components, subsystems and systems for high-speed telecommunications, Cable Television (CATV) and Fiber-To-The-Premise (FTTP) networks, as well as products for satellite communications, video transport and specialty photonics technologies for defense and homeland security applications. EMCORE's Solar Photovoltaics business segment provides products for space power applications including high-efficiency multi-junction solar cells, Covered Interconnect Cells (CICs) and complete satellite solar panels. For further information about EMCORE, visit <http://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 expectations, goals or intentions, including, but not limited to, financial performance, production schedules, expected customer sales, product features and their benefits, product quality and product performance. 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. Risks and uncertainties that could cause EMCORE's actual results to differ from those set forth in any forward-looking statement are discussed in more detail in EMCORE's SEC filings available at [www.sec.gov](http://www.sec.gov), including under the headings "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations." 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.

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