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**Media Contact:**  
Stephanie Olsen  
Lages & Associates  
(949) 453-8080  
[stephanie@lages.com](mailto:stephanie@lages.com)

## **Cosemi Addresses Ultra High-Definition Convergence at SPIE Photonics West**

### **Hybrid Active Optical Cables Key to Connectivity for 100Gbps – and Beyond**

**SAN FRANCISCO, January 29, 2018** – This week at [SPIE Photonics West](#), [Cosemi Technologies Inc.](#), a global leader in innovative, high-speed connectivity solutions, will deliver a presentation titled ‘Ultra High-Definition Video: Convergence Toward 100Gbps and Beyond for Digital A/V Connectivity with Fiber Optics.’ Part of a session addressing the trends shaping the future of photonics data centers and mobile computing, Cosemi Director of Engineering Devang Parekh will deliver the presentation, which takes an in-depth look at hybrid active optical cables (AOCs). The presentation will take place on Tuesday, January 30 at 8:55 a.m. in room 3010 (West Level 3) of the Moscone Convention Center in San Francisco.

The latest standard in consumer and professional video display technologies, 4K/8K HDR ultra high-definition (UHD) is accelerating the demand for high bandwidth, uncompressed, wired video communication (vcom) solutions that need data rates that are quickly approaching 100Gbps. This is due to the fact that achieving true UHD resolutions will require at minimum a 10Gbps data rate and beyond 100Gbps at the highest 8K resolutions, well above the bandwidth of today’s HD. To support the high data rates and power transmissions required by UHD, a new type of cable is needed.

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Parekh's presentation will explore how hybrid AOCs, which combine both copper and fiber optics, can serve as a holistic connectivity platform to replace traditional copper connections – and achieve true UHD.

“Hybrid AOCs are poised to dwarf the volume of both telecom and datacom connections in the foreseeable future,” said Parekh. “They are truly the ‘holy grail’ of fiber optic solutions. Next-generation challenges like AR/VR, autonomous vehicles and 8K/16K will place even heavier bandwidth demands on cabling – and hybrid AOCs are able to meet these demands today.”

To learn more about Cosemi, please visit [www.cosemi.com](http://www.cosemi.com).

### **About Cosemi Technologies**

A global leader in innovative high-speed connectivity solutions, Cosemi Technologies Inc. is focused on enabling optical connectivity everywhere. Cosemi designs and manufactures active optical cables for infrastructures supporting today's unprecedented data growth. The company offers a comprehensive portfolio of quality solutions that service the data center, home entertainment and consumer electronics markets. To learn more about Cosemi, please visit [www.cosemi.com](http://www.cosemi.com) or follow the company on [LinkedIn](#) and [Twitter](#).

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