Issue # 1 Tuesday, April 02, 2019

# sneak PREVIEW 400

#### SPIE Defense + Commercial Sensing 2019 - Baltimore, US April 16-18, 2019 An advance look at the products, trends and technologies being presented.



#### Showcase Latest Advances SPIE Defense + Commercial Sensing 2019 (DCS) — a

SPIE's Defense + Commercial Sensing 2019 to

leading conference on imaging, sensing, and photonic technologies designed for defense and security applications — is set to take place at the Baltimore Convention Center April 14-18, 2019. The conference will include two technical programs featuring 1600 presentations, a 300-company expo, and 29 courses focused on training and education.

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## **Embedded Vision Solutions**

#### From: Critical Link LLC

Critical Link provides production-ready processor boards and embedded

imaging platforms ranging from <1 MP up to 50 MP. Our latest design uses the CMV50000 image sensor from ams/CMOSIS and Arria 10 SoC from Intel/Altera. It is an open architecture design with dual core ARM and userprogrammable FPGA fabric and an array of interface options for industrial embedded vision applications. Visit us: Booth # 339



New Thermal Imaging Assemblies From: LightPath Technologies Inc.

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#### LightPath Technologies will be showcasing its new line of Thermal Imaging Lens Assemblies (TILA) at SPIE DCS. These lenses are made from LightPath's

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in-house domestically melted BD6™ glass that delivers optically athermal performance and is suitable for high-volume, cost-effective manufacturing. With lens focal lengths ranging from 1.5mm to 60mm, along with custom design capabilities, LightPath has a lens solution for a broad array of thermal (LWIR) imaging applications.



PCO Back Illuminated sCMOS Cameras From: PCO-TECH Inc.

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highly qualitative images. The pco.edge 4.2 bi's adjustable cooling system enables the use of air or water to cool the sensor down to -25°C. The pco.panda 4.2 bi comes in an ultra-compact design. It's perfectly suited for low light conditions without the need for active cooling. Visit us: Booth # 1022



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From: VIAVI Solutions Inc.

### is a leading supplier of military-grade, custom thin-film coated optical

High-Performance IR Detector & QCL From: Boston Electronics Corporation

Thin-Film Optical Coatings for Defense

products. From prototype to production, our expertise, technology, and processes give customers a competitive advantage. Our solutions are critical

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VIAVI Solutions Optical Coating Laboratory, founded 70 years ago as OCLI,



Boston Electronics offers from its industry leading partners, fast, noncryogenic infrared detectors (Vigo System); and high-performance infrared quantum cascade lasers (QCL) from Alpes Lasers. Our fast detectors (room-

temperature or TE-cooled) have nanosecond time constants. Tunable QCL are available from 4 to 16+ um, with various packaging options, and fiber coupling. The detectors and QCL are available with supporting preamplifiers, controllers, drive and power electronics for turnkey operation. Visit us: Booth # 525

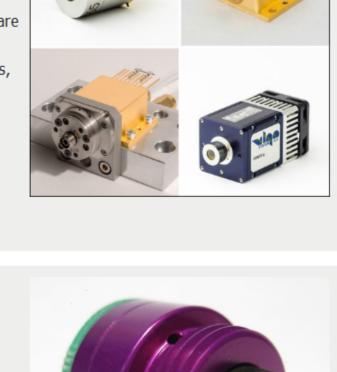
Advanced Photonic Sciences offers precision OEM micromodules for

heatsinking, collimating, and mounting 9.0, 5.6, and 3.7 mm TO diode packages. Available with rectangular or circular form factors, simply solder wires to the integrated PCB and apply current. They can be used for diode

Neutrinos are ideal for commercial, industrial, and defense applications. Built from the ground up for integrators, they are easy to integrate, making for



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#### lasers from the UV to the mid-IR and with output powers up to 3 W. Micromodules may also be used to mount and operate miniature DPSSLs such

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Visit us: Booth # 663 Request Info Visit Website The new SWaP+C Neutrino LC From: FLIR Systems Inc. The new compact and lightweight Neutrino LC, with its high operating temperature (HOT) focal plane array, sets the standard for SWaP+C.



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