

sponsor

**World of LASER PHOTONICS CHINA**  
 March 14-16, 2017  
 Shanghai New International Expo Center

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# Sneak Preview

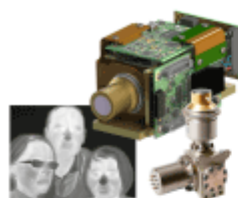
SPIE Defense, Security & Sensing, Baltimore, Md.  
May 5-9, 2014

ISSUE 2

Tuesday, April 29, 2014

## World's First 10µm MWIR Detectors

With the **smallest commercially available pixel pitch**, these state-of-the-art cooled MCT detectors are available in either XGA (1024 x 768) or HD (1280 x 720) formats. When compared to VGA systems, they deliver better detection range/field-of-view, lower power, more compact size and higher reliability.



**Sofradir-EC Inc.**

See us at booth 809

[www.ircores.com](http://www.ircores.com)



## One Meter Blackbody

CI Systems really expands its **blackbody** line with 1-meter emitters. And we can go even bigger! We're proud of our reputation for pushing the envelope in EO test technologies. Visit us at Booth 1001 to see what else is new!

**CI Systems, Inc.**

See us at booth 1001

[www.ci-systems.com](http://www.ci-systems.com)

## Pioneer In sCMOS

PCO-TECH, the pioneer in sCMOS image sensor technology, introduces the latest developments of sCMOS camera family, called **pco.edge**. Furthermore we present advancements in high-speed and ccd camera segments.



**PCO-TECH Inc.**

See us at booth 1201

[www.pco-tech.com](http://www.pco-tech.com)



## The Leader in Optical Filter Solutions

Iridian develops thin film optical filters and coated components for a wide variety of applications including telecommunications, spectroscopy, consumer optics, **space, satellite, and astronomy**. Filter types include band-pass, edge-pass, AR, anti-smudge, multiband, and other optical filters from 300nm to 10µm.

**Iridian Spectral Technologies**

See us at booth 218

[www.iridian.ca](http://www.iridian.ca)

## Corning Hyperspectral Imaging

Corning offers a family of high performance hyperspectral imagers, at a significantly reduced size, weight, and power. Our patented designs open up a variety of man-portable and smaller UAV payload options.



**Corning**

See us at booth 121

[www.corning.com/advanced-optics](http://www.corning.com/advanced-optics)



## LensCheck™ LWIR System for Best Quality

Instantly view and evaluate broad spectrum 8 - 12 micron images with the **LensCheck™ LWIR System** from Optikos. Real-time Video MTF® testing and analysis software lets you quickly qualify incoming or outgoing infrared lenses and ensures optimum quality and performance from your optically-based products.

**Optikos Corporation**

See us at booth 424

[www.optikos.com](http://www.optikos.com)

## PIXELTEQ | Multispectral Sensing

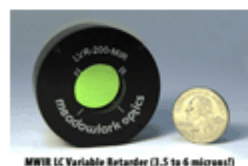
If it's not visible, can you still see it? Come find out, and see what multispectral can do for you. PixelCam multispectral SWIR cameras and **PixelSensor VIS + NIR sensors** help you see and measure in the visible and beyond.



**PIXELTEQ**

See us at booth 449

[www.pixelteq.com](http://www.pixelteq.com)



## Mid-Wave IR Liquid Crystal Devices

Non-mechanical Phase Modulators, Attenuators, Polarization Rotators, Polarizers and Tunable Filters from 3 to 6 microns are now possible. You've been looking for **MWIR polarization solutions**? We have them! Paper presentation on Liquid Crystals for polarization control- May 6 at 3:50 pm.

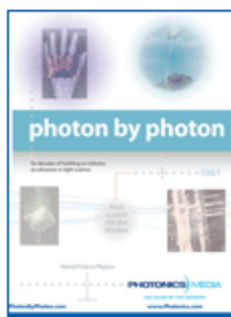
**Meadowlark Optics, Inc.**

See us at booth 1129

[www.meadowlark.com](http://www.meadowlark.com)

## Six Decades of Building an Industry

To celebrate our 60<sup>th</sup> anniversary, Photonics Media presents **photon by photon**, an interactive timeline that looks at some key highlights in the development of photonics over the past six decades. Stop by our booth to pick up a copy of the printed version!



**Photonics Media**

See us at booth 1017

[www.PhotonByPhoton.com](http://www.PhotonByPhoton.com)

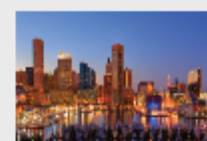
**PHOTONICS MEDIA**

THE PULSE OF THE INDUSTRY



## SPIE Defense, Security & Sensing 2014

With 450+ companies in attendance, several technical symposia, and some of the industry's most important scientific conferences and exhibitions, SPIE DSS 2014 offers immense opportunity for efficient information exchange, business development, vendor and project networking, and professional development.



Conferences and exhibitions will cover topics including optics, IR imaging, lasers and sensing for defense, security, industry, healthcare and the environment.

Among them will be Dr. Ludger Overmeyer, head of the Institute of Transport and Automation Technology at Leibniz University, who will discuss Planar Optronics Systems and the development of large-scale, polymer-based sensor foils with purely optical measurement principles.

William Ruh, vice president and corporate officer of GE Global Software, will talk about the emerging industrial Internet.

Troy Meink, a member of the Senior Executive Service for the Deputy Under Secretary of the Air Force for Space and director of the Executive Agent for Space Staff, will speak as well, presenting Innovation: Hard On Earth, Harder In Space. Here, he will discuss challenges in today's national security space capabilities.

The Sensing Technology and Applications Symposium will cover topics such as hyperspectral imaging, IR sensors and systems, imagery and pattern analysis, next-generation sensors and systems, fiber optic sensors, wireless sensing, terahertz devices and systems, and 3-D imaging and visualization.

The Defense and Security Symposium focuses on the latest research in aviation and aerospace, laser technologies, cyber sensing and security, command/control/communications/intelligence, system/network integrator/VAR, IR imaging, communications and networking, and more.

A number of courses and workshops will also be offered, including Infrared Optics Design Principles, IR Atmospheric Propagation for Sensor Systems, and Electro-Optical Imaging System Performance.

New courses to be offered this year are Introduction to Electro-Optical Systems Design, Infrared Optics Design Principles, Finite Element Analysis of Optics, Laser Beam Formation and Propagation in Photonics Instruments and Sensor Systems, Designing IR Instrumentation, Multispectral Image Fusion and Night Vision Colorization, Infrared Optical Materials, Fabrication, Testing for the Optical Engineer, and Atmospheric Codes (MODTRAN, FASCOD and HITRAN) for Sensor Development and Evaluation.

The event's exhibition will offer a look at the latest in robotics and unmanned systems, chemical and biological sensing, IR detectors and systems, cameras and CCD components, optical components, high-speed imaging and sensing, and more.

Product demonstrations will be featured during the event, by companies such as Heimann Sensor, VIGO System, Umicore Optical Materials, PIXELTEQ, StingRay Optics, TrackGen Solutions, Shanghai Magnity Electronics, Advanced Scientific Concepts, Iridian Spectral Technologies, Kopp Glass, SCHOTT Defense and Telops.

SPIE DSS attracts leading scientists, researchers and engineers from the laser, sensing, optics and imaging industry, military, government agencies, and academia. More than 2,300 presenters are among the thousands of attendees.

For more information, visit:  
<http://spie.org/x6765.xml>

### Stop by our booth

Visit Photonics Media at booth 1017 and pick up the latest issue of *Photonics Spectra*, *BioPhotonics*, *EuroPhotonics* or *Industrial Photonics* magazines, and enter our daily drawing for a \$100 Amazon gift card! And as always, you can visit us online at [www.photonics.com](http://www.photonics.com)

**PHOTONICS.com**

Questions: [pr@photonics.com](mailto:pr@photonics.com)

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