

Sneak Preview

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



THE PULSE OF THE INDUSTRY

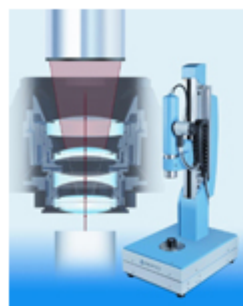


ISSUE 1

Tuesday, April 22, 2014

Precise Measurement of Infrared Lenses

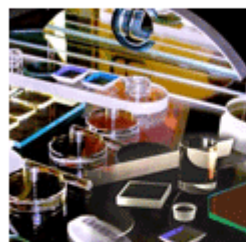
Discover the best solutions for centration measurement and assembly of infrared optical systems with **OptiCentric®**. Whether zinc selenide or germanium, single lens or complex lens system, the modular OptiCentric system covers solutions for all kinds of infrared lenses.



See us at booth 847

TRIOPTICS GmbH

www.trioptics.com



One Stop Solution

ULC offers the finest in optical elements used in lasers and sensors, utilizing fused silica/quartz, optical and filter glasses, in addition to germanium, silicon, MgF₂, CaF₂, and other exotic **materials**. Please call or visit our booth to discuss your requirements.

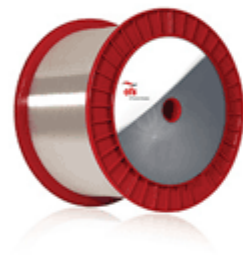
See us at booth 865

United Lens Company, Inc.

www.unitedlens.com

Optical Fibers and Cables for Defense

OFS is an industry leader of **optical fiber, cable, and specialty photonics solutions**. Our team provides forward-looking, innovative products and solutions in such Government, Aerospace and Defense applications as Gyroscopes, Unmanned Craft, Avionics Systems, and LADAR and Directed Energy.



See us at booth 1150

OFS, Specialty Photonics Div.

www.SpecialtyPhotonics.com



Precision Polymer Optics

G-S PLASTIC OPTICS manufactures custom and standard design polymer optics for imaging, scanning, detection, and illumination applications. GSPO provides diamond turned and injection molded prototypes, thin film and reflective coatings, and **integrated optical solutions** for military, medical, commercial, consumer markets.

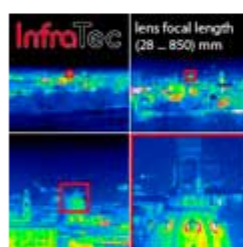
See us at booth 969

G-S PLASTIC OPTICS

www.gsoptics.com

First Infrared Camera with Superzoom

The **30x motorized zoom lens of ImageIR® 8300/9300 Z** achieves a human range detection beyond 15 km (NFOV: down to 0.6°). The very compact dimensions of the fully integrated camera design also allow installations into stabilized airborne platforms and ground-vehicle solutions.



See us at booth 551

InfraTec GmbH

www.infratec.eu



Owl-IR LWIR/MWIR Objective Lenses

Stop by our booth to experience real-time imaging results with our infrared lenses. **LightWorks Optical Systems** showcases its Owl-IR product line offering high contrast and superior optical MTF performance for high resolution FPA formats.

See us at booth 649

LightWorks Optical Systems

www.lwos.com

Six Decades of Building an Industry

To celebrate our 60th 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!



See us at booth 1017

Photonics Media

www.PhotonByPhoton.com

SPIE Defense, Security & Sensing 2014

SPIE DSS 2014 brings together some of the industry's most important scientific conferences and exhibitions on optics, IR imaging, lasers and sensing for defense, security, industry, healthcare and the environment.



Featuring two technical symposia and a 450-company exhibition, DSS offers the opportunity for efficient information exchange, business development, vendor and project networking, and professional development.

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.

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.

A number of presentations and speakers are scheduled at the event, including Dr. Troy E. Meink (of the Air Force for Space and Executive Agent for Space Staff) who will discuss challenges in today's national security space capabilities. Dr. Ludger Overmeyer (head of the Institute of Transport and Automation Technology at Leibniz University) will discuss Planar Optronic Systems, involving the development of large-scale, polymer-based sensor foils with purely optical measurement principles.

Also slated to present will be William Ruh, vice president and corporate officer of GE Global Software, covering the emerging industrial Internet.

The exhibition portion of DSS will feature 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.

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.

Among courses and workshops to be offered are Infrared Optics Design Principles, IR Atmospheric Propagation for Sensor Systems, and Electro-Optical Imaging System Performance.

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

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