

SCHOTT Defense to Demonstrate Military Glass and Optics Technology Advancements at DSS

BALTIMORE—April 30, 2013—[SCHOTT Defense](#) will exhibit its innovations in military-application glass and optics technologies at the [Defense Security and Sensing \(DSS\) Conference](#) in Baltimore from April 29 to May 2, 2013 at booth 1625. In addition, SCHOTT will present several technical papers on a variety of glass components and applications.

SCHOTT Defense continues to enhance and customize advanced glass solutions for the U.S. military, including optical glass, IR transparent glasses, fiber optic and filtered glass components for military all-terrain vehicles, night vision systems, advanced cockpits, covert communications systems, and more.

During the DSS show, SCHOTT Defense scientists and research experts will highlight the company's developments through six product demonstrations and three technical paper presentations.

The product demonstrations include the following:

- **Laser Glass Components for the Defense Industry: Tuesday, April 30 at 11:30 a.m.**
Dr. Todd Jaeger of SCHOTT and Ed Yousse of Research Electro-Optics Inc. will introduce defense market products ranging from lenses, prisms, windows, and other coated precision optical components to custom integrated optical assemblies.
- **Demonstration of Advanced IR Materials: Tuesday, April 30 at 3:30 p.m.**
Dr. Nathan Carlie will demonstrate advanced IR glass capabilities that offer excellent transmission in the SWIR, MWIR, and WIR ranges, as well as glass technologies in FLIR and CLEAR for defense applications.
- **CONTURAN DARO: Tuesday, April 30 at 4:30 p.m.**
Matt Roth will display SCHOTT's new coating that combines durable anti-reflective and oleophobic characteristics—a breakthrough for touchscreen applications.
- **Filter Glass: Wednesday, May 1 at 3:30 p.m.**
Matt Roth will discuss SCHOTT's broadest portfolio, optical filter glasses, which have defense applications such as laser safety, infrared lighting technology, (night) surveillance systems, and periscopes.
- **Eye-Safe Laser Glass: Thursday, May 2 at 10:30 a.m.**
Dr. Simi George will demonstrate eye-safe laser glass components that are ideal for defense applications and can be tailored to customer specifications and supplied as fully finished components.
- **Free Space Optical Communications: Thursday, May 2 at 11:30 a.m.**
Ann Kutsch will introduce SCHOTT's new covert free space optical laser communications system.

SCHOTT will also present the following three technical papers:

- **“Sampled MTF of fused fiber optic components and bonded assemblies”**
Thomas Carter will present in Session 1: HMD Components on Wednesday, May 1 at 9:20 a.m.
- **“Optimizing laser performance in Er and Yb codoped phosphate glasses”**
Dr. Simi George will present in Session 6: Advanced Laser Component Development on Wednesday, May 1 at 10:30 a.m.
- **“Ceramic material with improved mechanical properties for multiband windows and domes”**
Dr. Keith Rozenburg will present in Session 4: Advances in Long-Wavelength Infrared Window and Dome Processing Technology on Wednesday, May 1 at 3:50 p.m.

“For more than 40 years, SCHOTT in North America has cultivated innovations in military glass and optics technologies from R&D to design and manufacturing,” says Major General (Ret.) Scott Custer, USAF, President and CEO of SCHOTT Defense. “We plan to highlight the range and depth of those offerings at DSS to keep industry stakeholders abreast of the glass and optics that are at the core of the many defense systems that keep our warfighters safe.”

About SCHOTT Defense

SCHOTT has been supplying the U.S. Defense market with advanced technologies for over 40 years. The company’s product range, ready to serve the defense and security industries, includes fiber optics, optical and filter glasses, glass and glass-ceramic for armor and hermetic packages for protecting sensitive electronic components.

About SCHOTT

SCHOTT is an international technology group with more than 125 years of experience in the areas of specialty glasses and materials and advanced technologies. SCHOTT ranks number one in the world with many of its products. Its core markets are the household appliance, pharmaceuticals, electronics, optics, solar power, transportation and architecture industries. The company is strongly committed to contributing to its customers’ success and making SCHOTT an important part of people’s lives with high-quality products and intelligent solutions. SCHOTT is committed to managing its business in a sustainable manner and supporting its employees, society and the environment. The SCHOTT Group maintains close proximity to its customers with manufacturing and sales units in all major markets. Its workforce of around 16,000 employees generated worldwide sales of \$2.6 billion (approximately 2.0 billion euros) for the 2011/2012 fiscal year.

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