



SPIE Defense + Commercial Sensing 2022



SPIE Defense + Commercial Sensing Showcases Mission Critical Innovation

After taking on a virtual format in 2020 and 2021, SPIE's Defense + Commercial Sensing (DCS) will return to the exhibition hall April 3-7. The event will take place at the Gaylord Palms Resort and Convention Center outside Orlando, Fla. The event features four conference tracks and hundreds of technical presentations, as well as an exhibition hall showcasing the latest innovations in sensing, hands-on demonstrations, plenary sessions, and 19 courses focused on training and education.

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Complete Lens Design and Manufacturing



Featured Exhibitors

[Lens Design and Manufacturing](#)

From: Optikos Corporation

Optikos provides complete lens design, assembly, and testing with full performance verification for defense clients who need a custom imaging solution they can depend on in critical applications. Our expert optical engineering and IQ Lab™ teams ensure the best lens performance in the industry — and clients own the design. Stop by our booth 1304 at SPIE DCS to learn more, or email sales@optikos.com.

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[Ruggedized PEMs for Remote Sensing](#)

From: Hinds Instruments Inc.

Hinds Instruments manufactures ruggedized Photoelastic Modulators (PEMs) for use in remote sensing applications. With a Technology Readiness Level rating of TRL8, Hinds' ruggedized PEMs can be used in aircraft, sub-orbital or orbital installations. Applications include, but are not limited to, air pollution analysis and polarized light analysis of planets and stars.

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[LED-based Source/Spectroradiometer](#)

From: Optronic Laboratories LLC

The OL 459 is a 5-channel LED-based source capable of providing a continuous spectrum from 380 to 1000 nm, ideal for applications such as colorimeter/camera calibration, diagnostic medical imaging, and technical/industrial photography. When paired with our OL 770 Spectroradiometer System, transfer calibrations can be performed to precisely determine the spectral output. Together, these instruments provide a complete, accurate, and consistent in-house calibration solution that we've built our reputation on.

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[HySpex VS-1200](#)

From: HySpex

Spatial coverage is key for airborne HSI. Typically, VNIR sensors have higher spatial resolution than SWIR, which can be compensated by operating multiple SWIR systems simultaneously - increasing the data processing complexity. HySpex VS-1200, designed for airborne applications at >400 m with 40 FOV, is ideal for mapping large areas at high accuracy and resolution, yielding the highest quality data commercially available. Better coverage and streamlined data processing saves time and money.

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