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Wednesday, April 27, 2016

Real-Time Volumetric 3D Imaging Technology



Real-time 3D volumetric displays are finding applications in the medical industry, but technical challenges abound and need to be addressed for both doctors and patients to benefit from this technology.

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Drones with Multispectral Cameras Bring Efficiency to High-Throughput Plant Phenotyping

Drone-supported multispectral imaging enables plant breeders to grow drought-tolerant, disease-resistant and high-yielding genetically enhanced crops.

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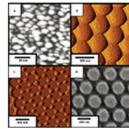








SERS Spectroscopy Solves Outstanding Problems in the Biological Sciences



Already important in the detection and identification of bacteria, surface-enhanced Raman spectroscopy (SERS) is being explored for use in cancer diagnosis.

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Modern optical tweezer designs have generated interest in the research areas of

biochemistry, biology and medicine.

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Featured Products



Flexible Multi Laser Engine

TOPTICA Photonics Inc. The multi laser engine iChrome SLE from TOPTICA Photonics provides up to eight different colors from a broad selection covering 405 - 640 nm.

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Lumencor Inc. Lumencor's LIDA light engine® works hand-in-hand with the latest monochrome cameras to generate RGB color transmitted light images with unprecedented speed and color fidelity.

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Applied Scientific Instrumentation Inc. Applied Scientific Instrumentation has developed a new form of light sheet microscopy with our collaborators in the scientific

community. More info >>



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Photonics for Ophthalmology



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June 9, 2016 12 pm EDT

FREE WEBINAR

This digital conference will feature several 20-minute online presentations on the use of light-based imaging and surgical techniques for diagnosing and treating eye conditions. Brief question-and-answer sessions will follow each presentation. Presentation topics are expected to include, but are not limited to, photomediated ultrasound therapy, photobiomodulation and various aspects of optical coherence tomography.

Industry Events

Translational Biophotonics 2016 - May 16 - 17, 2016 · Rice University, Houston,

Texas SPIE. TRANSLATIONAL BIOPHOTONICS

Organized by SPIE and Rice University, this meeting will enable discussion between three related communities (academia, industry, practicing clinicians) and encourage continuing development of new technologies and techniques with the goal of successful translation into practical biomedical use.

More info >>

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