













Excellence in Lasers and Optics **Top Stories**



sponsor

HyperFine Spectrometer with GreenKiller pump suppression

Optimized for Brillouin

Shubham Chandel Awarded 2019 Teddi C. Laurin

Scholarship

Indian Institute of Science Education and Research Kolkata in West Bengal, India, has been named the recipient of this year's Teddi C.

Laurin Scholarship.

Shubham Chandel, a Ph.D. candidate studying biomedical optics at the











less power.

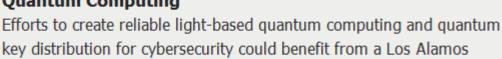
on a system that uses a deep neural network to help autonomous

drones "learn" how to land more safely and quickly, while consuming

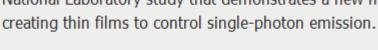
Read Article 3 A B D

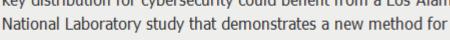


Thin Films Could Support Single-Photon Emission for **Quantum Computing**



Featured Products







Flexible Sputtered Coatings Deposition Sciences Inc. (DSI) Roll-to-roll processes present a number of challenges when coating

flexible surfaces, including unbalanced stress on each side

of the substrate and limited line speed. These limitations

affect the thickness and possibility of complex coatings.

To address these challenges, Deposition Sciences, Inc.

(DSI) developed their batch coating technology,

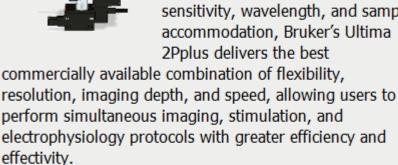
MicroDyn®. Request Info Visit Website Back Illuminated sCMOS by PCO

new technology. When PCO's tried and trusted sCMOS

cameras pool forces with modern back illuminated (bi)



evolution, combining existing and



2Pplus delivers the best commercially available combination of flexibility,

accommodation, Bruker's Ultima

With new advances in field of view,

sensitivity, wavelength, and sample

Ultima 2Pplus Multiphoton

Bruker Nano Surfaces

Imaging

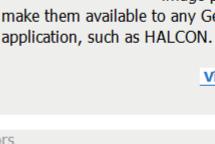
electrophysiology protocols with greater efficiency and Request Info Visit Website

> GenlCam-Compliant Camera **Functions IDS Imaging Development** Systems GmbH IDS NXT cameras allow users not only to create and load individual

with their nearly perfect quantum...

sensor technology, pco.edge 4.2 bi and pco.panda 4.2 bi come into the world of science. Both cameras stand out

Visit Website Request Info sponsors



OPTOELECTRONIC

Shenzhen, China

Sept 4-7

image processing tasks, but also to make them available to any GenICam-compliant

Visit Website Request Info

CISE et Your

To World's

Leading Photonics Sourcing Platform

Register Now!



More News AI-Driven Imaging System Protects Photo and Video Authenticity End-to-End To thwart sophisticated methods of altering photos and video,

have developed an experimental technique to authenticate images throughout the entire pipeline, from acquisition to delivery, using

Organic Laser Diode Suppresses Losses, Lowers Electricity Requirements Lasing by direct electrical stimulation of an organic film is possible, according to researchers at Kyushu University, who have demonstrated a laser diode based on organic semiconductors. The researchers used used a highly efficient organic light-emitting material which has a

relatively low resistance to electricity and a low amount of losses.

Read Article

artificial intelligence.









3 A B D **More Headlines**

Using Light to Produce Electricity Where Saltwater and Freshwater Meet Read Article

Aurora to Acquire Lidar Company Blackmore Read Article

precise aspheric and freeform optical surfaces have created a whole

new design space for imaging, while new computational tools have allowed more complex systems to be both designed and fabricated. These capabilities have extended to micro-optics, head-mounted

displays, and large optical systems. The 2019 OSA Optical Design and

Fabrication Congress will address these issues in detail with two

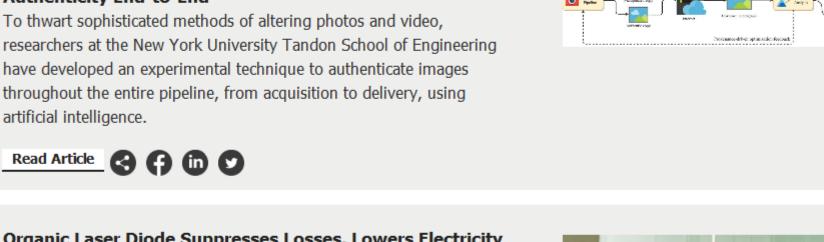
OSA Optical Design & Fabrication 2019 June 10-12, 2019 - OSA Headquarters - Washington United States

Industry Events

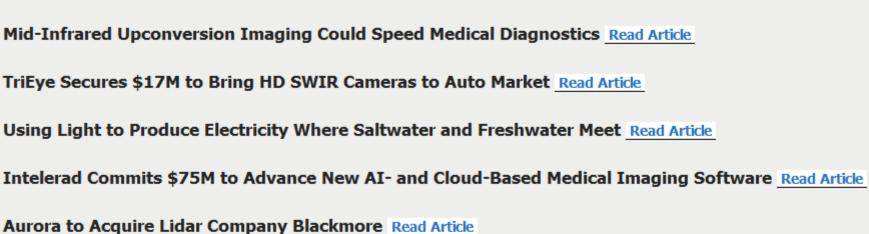
New materials and unprecedented capabilities to create and measure

related topical meetings that address optical fabrication and testing and freeform optics. The Congress will bring scientists, engineers, and designers together so they can interact and learn in both informal and formal settings. **Webinars** From Lensless Cameras to Deep-Brain Microscopy:

More Info







OSA Optical Design and Fabrication Congress

10 - 12 June 2019 The Optical Society Headquarters

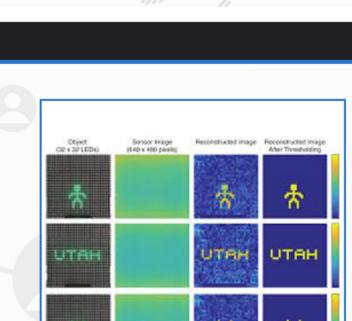
Exploring the Potential of Computational Imaging Tue, Jun 11, 2019 1:00 PM - 2:00 PM EDT

This webinar will introduce you to the enormous potential of

computational imaging for a range of industries, from manufacturing

to machine vision to biophotonics. Professor Rajesh Menon and his group from the University of Utah will discuss several examples of computational imaging, including a "see-through" camera, comprised of a transparent window with an image sensor placed facing into the edge of the window; a snapshot hyperspectral imaging camera; and an approach to deep-brain imaging that utilizes only an ultrathin surgical needle to transport light in and out of a mouse brain. In all cases, imaging is essentially a form of information transfer enabling highly nonintuitive forms of imaging. Register Now

Photonics Media is currently seeking technical feature articles on a variety of topics for publication in



our magazines (Photonics Spectra, BioPhotonics, Vision Spectra, and EuroPhotonics). Please submit an



CALL FOR ARTICLES

We respect your time and privacy. You are receiving this email because you are a Photonics Media subscriber, and/or a member of our website, Photonics.com. You may use the links below to manage your subscriptions or contact us. Questions: info@photonics.com

Unsubscribe | Subscribe | Subscriptions | Privacy Policy | Terms and Conditions of Use

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949