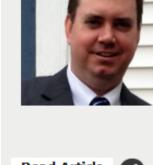
PHOTONICS spectra PHOTONICS MEDIA

Monthly newsletter from the editors of Photonics Spectra, with features, popular topics, new products, and what's coming in the next issue.

sponsor



Microscopy Brings New Worlds Into Focus MIKE WHEELER, MANAGING EDITOR



Though the father-son duo of Hans and Zacharias Janssen is widely credited with developing the first microscope in the late 16th century, it was the English scholar Robert Hooke who inspired widespread public interest in the new science of

insects and plants, just as he saw them from his microscope.

microscopy. His seminal work, "Micrographia," published in 1665, included never-before-seen illustrations of magnified

Read Article 😝 😝 😗 🛅 💟

Ultrashort Pulse Laser Micromachining Surpasses Previous Limitations

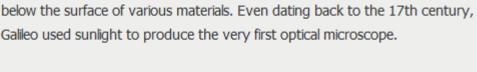
higher throughput.

With the power of ultrashort pulse laser systems on the rise, achieving dynamically and synchronously adaptable pulse repetition rates in the MHz range is the key to

Lighting Up Microscopes: Advances and Emerging

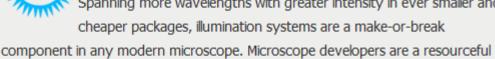


Read Article (3 (7) (8) (in (9)



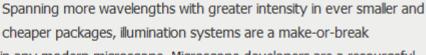
in the August issue of Photonics Spectra.

Sources



Read Article 3 6 8 in 9





bunch, opting to use the light source available to them at the time to peer at or



categories. Please submit a separate entry for each Beacon you wish to nominate. Deadline for submissions is July 1, 2016. The results of the survey will be published

business communities to optics and photonics through their work in five

Nomination form

Read Article **3 6 8 6 9**

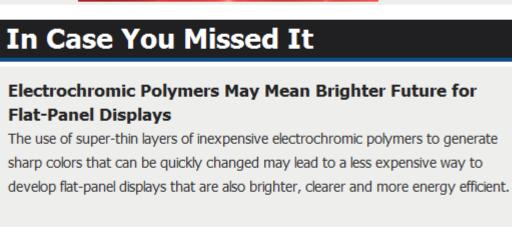




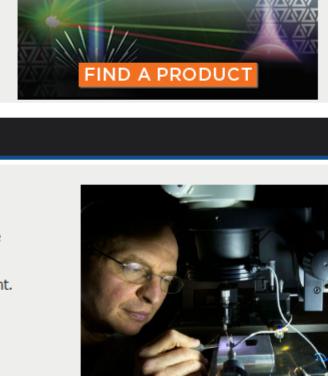








sponsors



HIGH VOLTAGE POWER

UltraVolt® and HiTek Power® Standard Modules and Racks | Custom Systems

LIGO Awarded Special Breakthrough Prize in Fundamental Physics

been awarded the Special Breakthrough Prize in Fundamental Physics.

Read Article 😝 🚹 🚱 🛅 💟

Read Article (4) (7) (8) (in C)

An Alternative to LEDs for Full-Field Imaging

A broadband fiber amplified spontaneous emission light source delivers the brightness and low spatial and temporal coherence required for

The Laser Interferometer Gravitational-Wave Observatory (LIGO) operated by Caltech and the Massachusetts Institute of Technology has

Read Article

sponsors





USHIO

Featured Products





Lasers

compact, lightweight, rugged and reliable capacitors.

Evans Capacitor Co.

optical coherence tomography and ranging applications.



Capacitors Designed for Diode

Airborne or handheld, diode lasers require

Request Info

Request Info

Request Info

Request Info

Visit Website

TrueMode Fiber Laser Cavities

manufacturing high power components

Visit Website

Visit Website

PiCOEXPLORER™ Photo

Absorption Sensor (PAS)

OFS has been developing and

CISE



and manufacture of vacuum deposited optical thin films used in the

Spectrogon US Inc.

ultraviolet, visible and infrared spectrum.

introducing low cosmetic defects.

Advanced Energy

CI&E2016

CHINA INTERNATIONAL OPTOELECTRONIC

September 6-9, 2016 Shenzhen · China

0

UBM

coating facility specializing in the design

Visit Website

Low-Cosmetic Defect IR Filters

Spectrogon manufactures infrared filters

and windows with high transmission, high

rejection outside the passband, and

Visit Website

Advanced Energy Industries Inc.

power supplies operates a precision

filter/divider and linear HV switch to

Visit Website

Ultra Fluorescence Filter Sets

Alluxa's ULTRA Series of fluorescence filter

Alluxa

Precision High Voltage Amplifier

The HVA series of DC-to-DC high voltage

Request Info

Request Info

Request Info

Request Info

Thin-Film Coatings

introduce new products in this area today.

OptoSigma Corp. For more than twenty years, OptoSigma

standards.

Innovation

in every fiber

FIBERCORE =

has been at the forefront of the optical components industry, manufacturing thin-film coatings to precision

and modules since the early years of fiber lasers and continues to

The USHIO PiCOEXPLORER™ model PAS-USHIO 110 handheld photo absorption sensor utilizes patent pending, Silicone Optical Technology. Visit Website Request Info

USHIO America Inc.

Specialty Optical Fibers Fibercore Fibercore is a leading innovator, designer

and manufacturer of specialty optical

Visit Website

SWIR Cameras

Raptor Photonics Ltd.

fiber, serving customers across the world.

infrared imaging. Request Info Visit Website

enables high-speed visible and shortwave

The Ninox 640 from Raptor Photonics

produce a high voltage amplifier (HVA).

off-the-shelf products.

signals.

sponsors

sets are designed to provide the highest level of performance currently available for Visit Website Request Info Arbitrary Waveform Generator

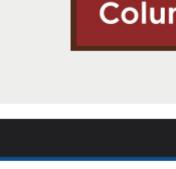
With the UHF-AWG 1.8 GSa/s Arbitrary

presents a unique solution for the generation and acquisition of complex

Visit Website

Waveform Generator, Zurich Instruments

Zurich Instruments AG



MICROANALYSIS Columbus, Ohio

MICROSCOPY &

differs from ISO 10110 and provide insight into how both standards will change in the coming decade. Dave Aikens is President and founder of Savvy Optics Corp. and is the head of the American delegation to ISO TC 172 SC1 which published ISO 10110. He is the

New Optics Drawings Standards Thu, Jun 30, 2016 1:00 PM - 2:00 PM EDT

Webinars

Solid-State Lasers; Machine Vision Optics; Imaging Advances; Lighting: Multiphoton Microscopy

technical and practical information for every aspect of the global industry and promoting an international dialogue among the engineers, scientists and end users who develop, commercialize and buy photonics products.

Since 1967, Photonics Spectra magazine has defined the science and industry of photonics, providing both

Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazine Photonics Spectra. Please submit an informal 100-word abstract to Managing Editor Mike Wheeler at mike.wheeler@photonics.com or use our online submission form

View Digital Edition Subscribe Free

Secretary of the American Standards Council for Optics, ASC OP, which published OP1.0110, the American National Standard for optics drawings.

Issue Bonus

Asia-Pacific Regional Report

www.photonics.com/submitfeature.aspx

About Photonics Spectra

Coming in July... **Features**

HOTONICS Microscopy

Unsubscribe | Subscribe | Subscriptions | Privacy Policy | Terms and Conditions of Use Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949 © 1996 - 2017 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office. Reproduction in whole or in part without permission is prohibited.

Questions: info@photonics.com

Stay current with a FREE subscription to the digital or print edition.

Register Now

