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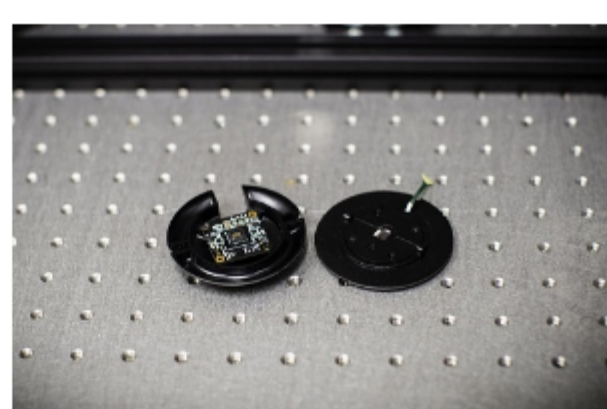


Top Stories

Microscope Technology Based on NanoLED Array Platform Moves Toward Commercialization

An international team led by researchers at the University of Barcelona developed a superresolution optical chip-size microscope that is supported by nanoLEDs functioning as a light source. The nanoLEDs can determine the resolution of the microscope without lenses, making the device highly compact and cost effective, its designers said.

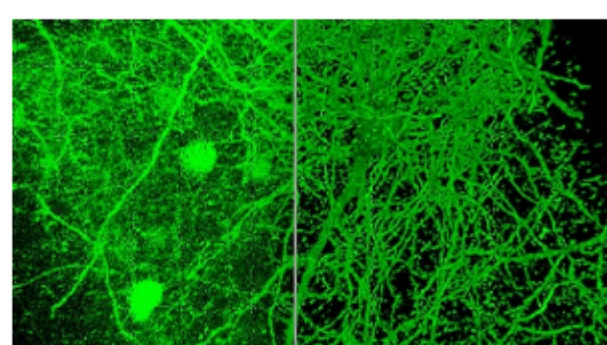
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Leica Microsystems Acquires Aivia Software

Leica Microsystems acquired certain assets, including Aivia, from SVision LLC. Aivia is an AI-enabled visualization, analysis, and interpretation software. It includes a wide range of machine learning and deep learning algorithms, 2D to 5D image visualization functionalities, and more.

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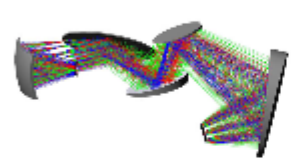
Hyperspectral Imaging and AI Speed Up Necessary Inspection for Organic Electronics

Fraunhofer IWS researchers, working under the European Union (EU) project OledSolar, introduced an approach for the monitoring, observation, and inspection of organic electronics in the manufacturing and development stages. The hyperspectral vision and measurement technique pairs with an AI model.

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Featured Products



CODE V Optical Design Software

Synopsys Inc., Optical

Solutions Group

Optical designers are often tasked with correcting more aberrations and using fewer surfaces for compact applications ranging from medical instruments to AR systems. To support this design work, CODE V offers unique freeform optics design and optimization tools. Read our blog to learn more.

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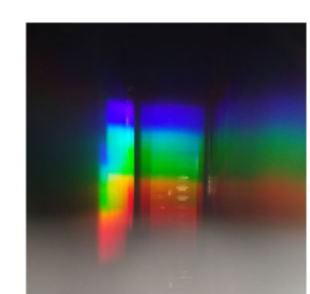
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Upcoming Webinars

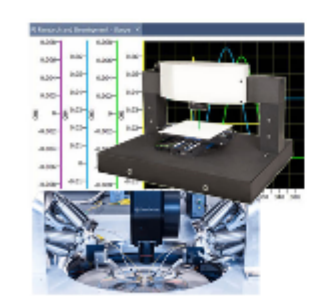


Characterization of Light Emitters and Detectors from the Visible to the Terahertz Spectral Range

Tue, Mar 30, 2021 1:00 PM - 2:00 PM EDT

In this webinar attendees will receive an overview of experimental hardware and different approaches for detector testing and emission studies in multiple spectral ranges. Speakers include Sergey V. Shilov, Ph.D., senior application scientist at Bruker Optics, Yuzhe Xiao, Ph.D., research associate at the University of Wisconsin-Madison, and Mikhail Kats, Ph.D., Jack St. Clair Kilby Associate Professor in Electrical and Computer Engineering at the University of Wisconsin-Madison. Presented by Bruker Optics.

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Improving Production Economics in Photonics Test/Assembly and Ultrafast Laser Materials Processing of Transparent Materials

Tue, Apr 6, 2021 1:00 PM - 2:00 PM EDT

This webinar with Scott Jordan and Matt Price of PI will focus on advancements in high-throughput motion control techniques for: 1) Test and production of photonics devices and 2) Ultrafast laser materials processing in transparent media and how to achieve best results direct from CAD models. It will address advances in software, control algorithms, and motion systems for design engineers and scientists in laser processing, optics, and photonics industries. Presented by PI (Physik Instrumente).

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