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Thursday, July 9, 2015

Microscopy Platform Enables Ultrastable Measurements



Stable enough to track the movements of individual molecules over many hours, a new measurement platform for microscopes could enable a deeper understanding of subcellular processes.

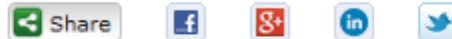
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Daniel Seiler Named Chief Executive at IDS

He succeeds Torsten Wiesinger, who held the position for five years and will now focus on new product development and expansion of international sales structures for the industrial camera company.

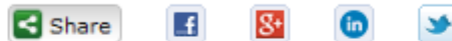
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IOP Recognizes 4 for Photonics, Optics Research

Professor Eli Yablonovitch of the University of California, Berkeley, a pioneer in the field of optoelectronics and nanophotonics, received the Isaac Newton Medal, the highest honor bestowed by the Institute of Physics.

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Featured Products



The Right Semiconductor Laser

National Laser Co.
The NLC Cylindrical laser is one of the most robust lasers in the industry for your Semiconductor Inspection Tool.

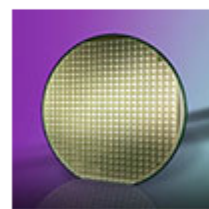
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Broadband Filters

Semrock
Supporting brilliant violet and UV dyes, three new broadband filter sets from Semrock Inc. allow microscopists to visualize molecules of small quantities or low expression within the cell.

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Solderable Thin-Film Coatings

Deposition Sciences Inc.
Deposition Sciences, Inc. (DSI®) provides solderable thin-film coatings, including gold coatings and other face metallization optical coatings on wafers.

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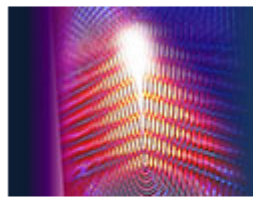
THz Raman Spectroscopy Systems

Ondax, Inc.
Ondax's patented THz-Raman® Raman Spectroscopy Systems combine both chemical and structural analysis into a single measurement system.

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Plasmon Wakes Created, Controlled in Metamaterial



The creation and control of surface plasmon wakes could lead to new types of plasmonic couplers and lenses that could create 2D holograms or focus light at the nanoscale, according to researchers at Harvard University.

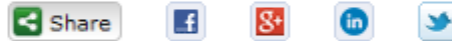
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Special Optics Buys Precision Optical Factory

The building will house state-of-the-art manufacturing equipment for optical subassembly fabrication, final module assembly and testing.

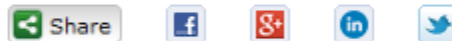
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Researcher, Venture Capitalist Join Headwall Board of Directors

The new directors are Purdue University professor Melba Crawford and Tom Crotty, a senior adviser with Battery Ventures LP.

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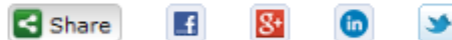
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Try liquid crystal fabric on for size!

Army Awards \$13M Night Vision Contract to Intevac

The electronic image intensification camera is based on Intevac's electron-bombarded active-pixel sensor for extreme low-light-level detection.

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Optical Devices Aim for Asteroid



The OSIRIS-REx Thermal Emission Spectrometer will conduct surveys to map mineral and chemical abundance on Benu while taking the asteroid's temperature. It will provide spectral data for global maps used to assess potential sample sites.

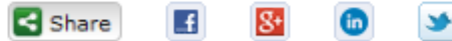
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Ball Aerospace Delivers Laser Ranging Subsystems to JPL

The next generation of NASA's Gravity Recovery and Climate Experiment (GRACE) satellites, expected to launch in 2017, will use Ball's laser frequency stabilization reference flight units to take detailed measurements of Earth's gravity field during water investigations over land, ice and oceans.

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SPIE Optics & Photonics - Aug. 9-13, 2015 · San Diego Convention Center



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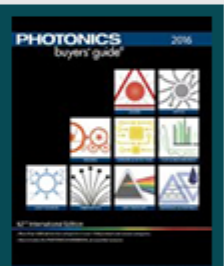
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