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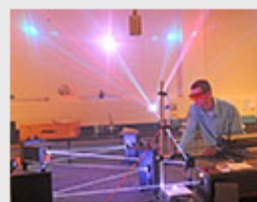
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Thursday, September 17, 2015

Photonics Education: Where is Everybody?



Photonics companies are offering top dollar for entry-level jobs, if only people would take them.

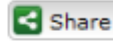
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Specim Nets €5.3M for Hyperspectral Imaging Expansion

"Many applications which have originally been developed for high-end research or defense administration purposes have in time begun to serve more our everyday life," said Specim founder Timo Hyvärinen. "We see clear signs that this is also the case for hyperspectral imaging."

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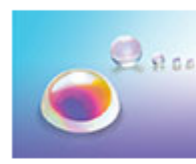
Pyser-SGI Acquired By Investment Firm

A manufacturer of electro-optical products for the defense and security, research, education, and broadcast fields, Pyser-SGI Ltd. has been acquired by Privet Capital LLP, a London principal investment firm, for an undisclosed amount.

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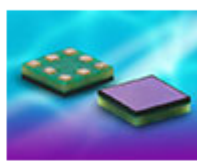
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OSI Optoelectronics OSI Optoelectronics (OSIO), a global supplier of high performance standard and OEM photodiodes, high power light sources, and turnkey solutions, introduces the BI-SMT Photodetector Series.

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World's Smallest UltraHD 4K Camera

Toshiba Imaging Systems Toshiba Imaging's new IK-4K (3840 x 2160) UltraHD 4K video camera delivers world-class UltraHD performance from the smallest three-chip package available.

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4D Technology Corp. AccuFiz® IR laser interferometers operate at wavelengths of 1.55 micron (SWIR), 3.8 micron (MWIR) and 10.6 micron (LWIR), for accurate measurement of polished or rough-ground optics and metal surfaces.

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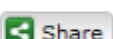
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Microscale 3D 'Bar Codes' Readable with Lasers



A prototype device for creating the bar codes has been developed by Sofmat Ltd. in collaboration with engineers from the University of Bradford and with funding from Innovate U.K., a government funding agency.

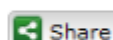
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Imaging of Nanoscale Pores Aids Drug Discovery

"We now have both pieces of our puzzle," said Rice University professor Christy Landes. "We can see our proteins interacting with charges within our porous material and we can measure the pores. This has direct relevance to the protein separation problem for the \$100 billion pharmaceutical industry."

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SLAC Gets Green Light to Build 3-Ton Telescope Camera

Capable of viewing light from near-ultraviolet to near-infrared (0.3- to 1- μ m) wavelengths, it will capture full-sky images at such high resolution that it would take 1500 high-definition television screens to display just one of them.

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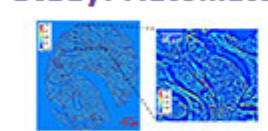
'Starshade' Helps Identify Celestial Objects

Ground-based tests have shown promise for the use of a flower petal-shaped "starshade" in space telescope missions for finding exoplanets.

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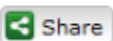


Study: Automated Biopsy Assessment Possible with SLIM



Spatial light interference microscopy (SLIM) might provide a quantitative way to diagnose breast cancer.

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'Leaky' Antenna Multiplexes THz Signals

A prototype developed at Brown University is said to be the first system capable of multiplexing terahertz waves, which offer potentially much greater communications bandwidth than the microwaves used today in cellular and Wi-Fi networks.

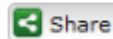
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Light-Sensitive Medium Drives Nanoparticle Assembly

The new technique is based on how nanoparticles react when illumination changes the medium's acidity. It could prove useful in applications including drug delivery and reversible writing of information, according to researchers at the Weizmann Institute of Science.

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