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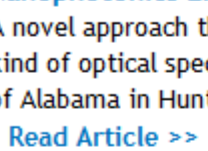



Progressive Optics Ends Vehicle Blind Spots

The progressive adaptive optics technology commonly used to correct nearsightedness and reduced focusing ability has now been applied to a prototype automobile side mirror. "Unlike glasses, where the range of focus is vertically stacked [from distance viewing on top to close-up viewing on bottom], our mirror surface is horizontally progressive," said Hocheol Lee of Hanbat National University. The result is a mirror with no blind spot.

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Nanophotonics Enables a New Kind of Optical Spectrometer

A novel approach that combines nanophotonics technology with traditional optical spectroscopy has yielded a new kind of optical spectrometer with sensing and spectral measurement functions, say its creators at The University of Alabama in Huntsville.

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Turan Erdogan Named VP at IDEX Optics & Photonics

The company appointed Semrock co-founder Dr. Turan Erdogan to vice president of marketing and business development. Erdogan previously served as IOP's chief technology officer.

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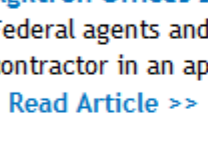
'Li-Fi' Could Unleash the Internet in Your Lights

Micron-sized LEDs under development by a consortium of UK universities could soon make it possible to simultaneously deliver Wi-Fi-like communications, power your laptop, display information and illuminate your home.

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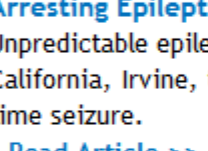



Agiltron Offices Searched by Federal Agents

Federal agents and local police searched the offices of the photonic components and systems government contractor in an apparent investigation, according to media reports.

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Arresting Epileptic Seizures with Fiber Optics


Unpredictable epileptic seizures can now be stopped in their tracks with a new approach from the University of California, Irvine, that activates optical fibers implanted in the brain when a computer system detects a real-time seizure.

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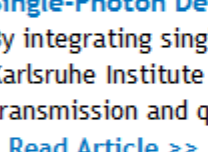


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In this edition of the industry's [premier weekly newscast](#): Federal agents raid a photonics firm, fiber optics stop epileptic seizures, multitasking microlights could spark a communications revolution, and nanophotonics adds sensing to optical spectroscopy. Hosted by Photonics Media's Laura Marshall and Melinda Rose.




Single-Photon Detector Is On Chip

By integrating single-photon detectors with nanophotonic chips, an international team of scientists led by Karlsruhe Institute of Technology has developed a way to reliably detect single photons for optical data transmission and quantum computations.

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Thin-Film Solar Cell Efficiency Exceeds 20 Percent

Thin-film solar cells on flexible polymer foils, based on copper indium gallium (di)selenide (CIGS), have set an efficiency record of 20.4 percent for converting sunlight into electricity, scientists at Empa, the Swiss Federal Laboratory for Materials Science and Technology, report.

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SPIE Urges Photonics Community to Protect Horizon 2020 Funding

The international society has urged that full funding for the €80 billion Horizon 2020 program be protected from European Commission budget cuts.

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Industry Events

Photonics West 2013 - February 2 - 7, 2013 - San Francisco, CA


Visit us at BIOS Booth 8600 and Photonics West Booths 600 & 601



Photonics West 2013, to be held at the Moscone Center, will feature more than 4450 technical presentations, 18 plenary talks, 40 technical events and 70 continuing education accreditation short courses. The technical conferences - up about 5 percent over last year - are organized around four symposia: BIOS (Biomedical Optics), LASE (Lasers and Applications in Science and Engineering), OPTO (Integrated Optoelectronic Devices) and MOEMS-MEMS (Micro- and Nanofabrication). A virtual symposium on Green Photonics also will be held. The trade show and conference kicks off with BIOS, where the latest optical and photonic technologies used in diagnostics, therapeutics, and imaging are presented and discussed.

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OFC/NFOEC 2013 - March 17 - 21, 2013 - Anaheim, CA



The Optical Fiber Communication Conference and Exposition and the National Fiber Optic Engineers Conference (OFC/NFOEC) is the premier international event for both the science and business of optical communications and networking. It features more than 110 short courses, over 550 exhibitors and 750 technical papers covering technologies and applications in cloud and data center networking, space division multiplexing, 1 TB and beyond optical networking, flexible grid networks, convergence of optical and wireless networks, 100 G/400 G network design and optimization, and more.

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