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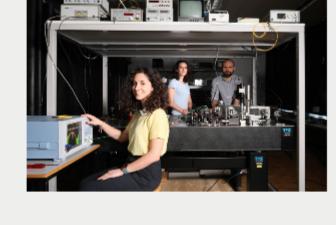


Top Stories

Source A system developed at École Polytechnique Fédérale de Lausanne,

Compact Laser Detects Greenhouse Gases Using Mid-IR

composed of a standard laser and a photonic chip, uses a mid-infrared light source to detect greenhouse and other gases. The team took a commercially available fiber laser and combined it with a waveguide chip to reliably generate lightwaves in the MIR spectrum.



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than Conventional Lasers

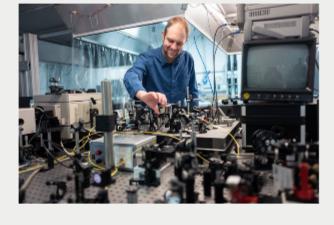




In a novel approach to data transfer, researchers from Ruhr-Universität Bochum used a semiconductor spin laser to enable room-temperature modulation frequencies above 200 GHz. According to the researchers,

Spin Lasers Could Transfer Data Faster, Use Less Energy

this frequency level is nearly an order of magnitude faster than the best conventional semiconductor lasers.



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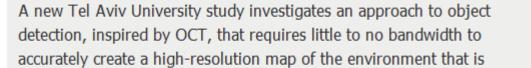


Bandwidth Limitations

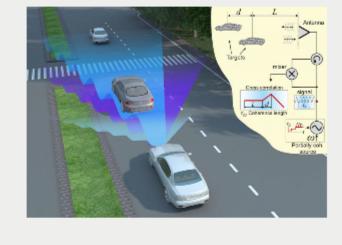
within range of a radar system.







Object Detection System Separates Range Resolution from









and Photonics, Second Edition LIGHT



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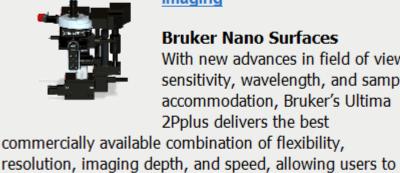
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Photonics Media

minimal math, LIGHT: Introduction to Optics and Photonics was written with readers in mind. This textbook is for beginning students of optics and photonics in high school, community college, and university STEM courses.

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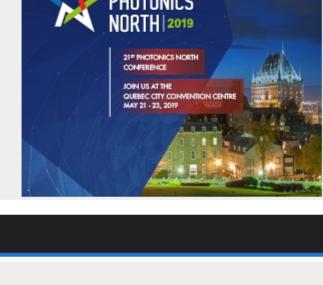
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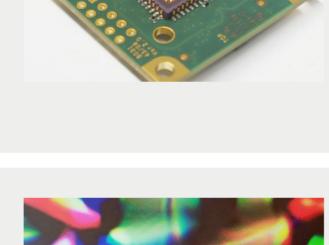
Resolution Engineers at the University of Wisconsin-Madison have developed a

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hyperspectral imaging capabilities that can be integrated with a cellphone. The spectrometer is fabricated on top of and integrated with a CMOS chip.

compact, single-shot, free-space-coupled spectrometer with

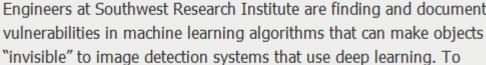
Single-Shot Spectrometer Offers Portability, High



Systems Engineers at Southwest Research Institute are finding and documenting



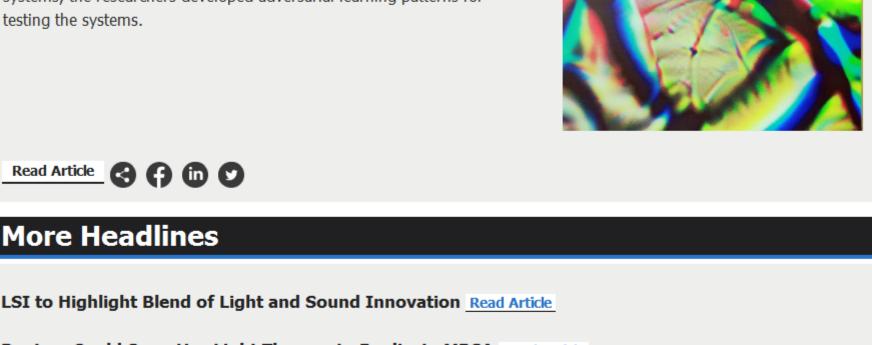




systems, the researchers developed adversarial learning patterns for testing the systems.

mitigate the risk for compromise in automated image processing

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Industry Events

May 12-17, 2019 - San Jose McEnery Convention Center - San Jose

sessions in the emerging areas of Augmented Reality, Virtual Reality, and Mixed Reality. Exhibitors' major product categories will include

backlights, coatings and films, displays, input interfaces, system integration, test and measurement, as well as software, equipment

and systems, and parts and components.

SID Display Week, now in its 56th year, is where the world's nextgeneration electronic display creators, technologists, value-add suppliers, and market-making end-users gather to stay connected, stay current, and get ahead. SID Display Week 2019 will offer special

AIM Photonics Summer Academy 2019 Will Immerse Attendees in Latest IP Technology Read Article

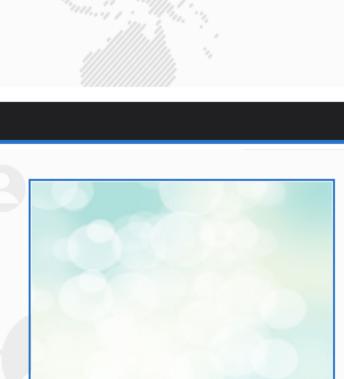
Webinars Quantum Dots Are Making Displays Brighter and Photomedicine Better Tue, Apr 23, 2019 1:00 PM - 2:00 PM EDT In this webinar you will learn about the properties that make quantum dots (QDs) so desirable in displays, and the types of QD technologies that are most suitable for displays. It will cover strategies for implementing QDs in displays, challenges facing this technology, and

QD-enabled displays in the future. The use of electroluminescent (EL)-

QD devices in photomedicine will also be discussed. This webinar is

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