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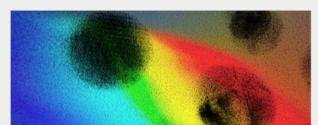
AWARDS1

photodetectors to handle the UV radiation produced in high-energy physics experiments. Currently, most available detectors have poor response in the UV so it is typically necessary to shift UV to a wavelength matching the sensitivity of the detector.

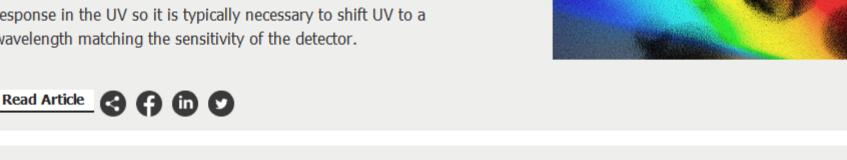
Miniature Lens Could Enable Fast Transfer of Quantum

Enhanced Photosensors Exploit Wavelength-Shifting

Scientists are using nanotechnology to improve the ability of



Information



A tiny camera lens, invented by an international research team, could one day be used to link quantum computers to an optical fiber network. The lens is made of a silicon film with millions of

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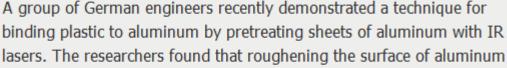


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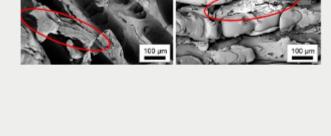
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with continuous laser beams created a mechanical interlocking with thermoplastic polyamide and led to significantly strong adhesion. Read Article

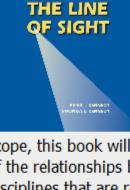








STABILIZING Photonics Media



Kennedy provide a methodology

Stabilizing the Line of Sight

In Stabilizing the Line of Sight,

authors Peter J. and Rhonda L.

and an example for executing a successful end-to-end line-of-sight (LOS) design. Comprehensive in scope, this book will give readers a better understanding of the relationships between the various engineering disciplines that are required for successful LOS control.

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Bulky Optics in 3D Displays Through a combination of holography and light-field display,

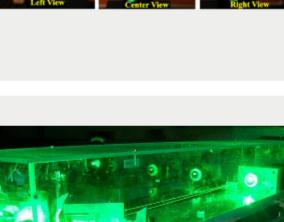
of bulky optics. The researchers found a way to record a hologram digitally, using a process that requires none of the optical components to be physically present during recording.

Digital Approach to Fabricating Holograms Could Eliminate

researchers hope to eliminate visual disturbances in augmented and virtual reality (AR/VR) and other 3D technologies without the addition

Read Article (2) (f) (ii) Single Laser Source Generates Six Entangled Waves, Setting a New Record

Scientists have demonstrated the entanglement of six light waves generated by an optical parametric oscillator (OPO). In previous



experiments, the team entangled two and three modes using the OPO. The team's current experiments have doubled the space available for

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Image Sensors America 2018 October 10-12, 2018 - Hyatt Centric Fisherman's Wharf San Francisco

conference will provide a comprehensive overview of future trends to ensure you stay ahead of the competition, with a robust program

featuring sessions on machine and deep learning, supporting technologies, future outlooks, industry 'next steps', and much more. More Info

Image Sensors Americas 2018 will bring together end-users, camera system suppliers, sensor design houses, and technology developers to network with over 150 attendees from across the image sensing value

chain, including Amazon, SONY, Thermo Fischer Scientific, Hamamatsu Photonics, and others. Attendees will have the

overview of quantum technology, including a brief history of its origin applications for quantum technology. The webinar's main focus will be

opportunity to learn from leaders in the sensors market, including ON Semiconductor, imec, ImmerVision, TowerJazz, and others. The

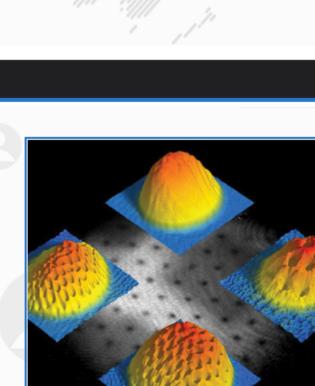
Industry Events

- San Francisco United States

Imaging Applications in Quantum Research Wed, Sep 26, 2018 1:00 PM - 2:00 PM EDT This webinar, presented by Princeton Instruments, will begin with an and development. The discussion will also include emerging practical on quantum applications that incorporate imaging detectors such as single photon source development, trapped ion imaging, and control of qubits. The webinar will also cover unique detector requirements for quantum research, the latest developments in photonic detectors, and basic concepts of single photon detection, quantum efficiency, and detector noise.

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