





Top Stories

Endangered Species An astrophysics-ecology drone project could be the answer to many global

Conservation Drones and Thermal Finger Prints Help

conservation efforts. Using drones, thermal cameras and techniques used to analyze objects in space, an astrophysicist and an ecologist from Liverpool John Moores University (LJMU) are hoping to help endangered species such as the rhino and the orangutan.







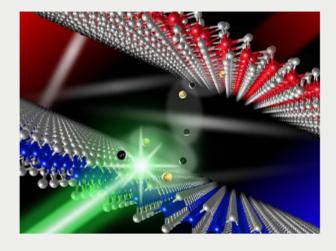


New Bilayer Material Could Improve LED Technology

A new bilayer material measuring less than one nanometer in thickness per layer

could lead to more efficient and versatile light emission. Researchers working at the Ultrafast Laser Lab at the University of Kansas (KU) successfully created the

material by combining atomically thin layers of molybdenum disulfide and rhenium disulfide.





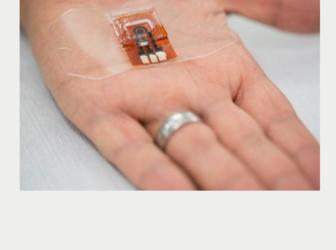




Technology (KAUST) researchers used a technique called laser scribing which

Graphene-Based Electrode Used to Build Molecular Sensor Graphene electrodes that act as effective biosensors have been created using a laser to burn patterns into a polymer sheet. King Abdullah University of Science &

locally heats parts of a flexible polyimide polymer to 2500 °C or more to form carbonized patterns of patches on the surface that act as electrodes. These black patches are about 33-µm thick, and their highly porous nature allows molecules to permeate the material. 3 A B D Read Article











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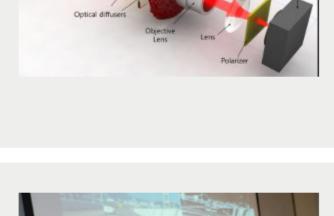
performed with more than 2600 times the strength of existing displays.

height. Use of the technique was shown to yield a 3D holographic display that

Optical Diffusers Improve Definition, Viewing Angle for 3D

A wavefront-shaping technique has been used to create a dynamic 3D holographic image with a viewing angle of 35 degrees in a volume of 2 cm in length, width and

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Ultrafast Camera Developed for Drones, Autonomous Vehicles

Holograms



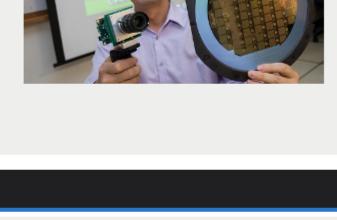




(NTU), can record the slightest of movements and objects in real-time, even when blinded by bright light or in complete darkness. The new camera records changes

camera, created by a team of scientists from Nanyang Technological University

in light intensity between scenes at nanosecond intervals, much faster than conventional video, and stores the images in a smaller data format as well. Read Article **More Headlines**







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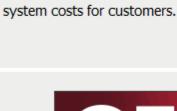
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Webinars Integrating Camera Technology Into a Successful Machine Vision Solution Fri, Mar 10, 2017 1:00 PM - 2:00 PM EST In this webinar, Rex Lee, Ph.D., CEO and president of Pyramid Imaging, Inc. and a machine vision professional with more than four decades of experience in business and academe, will discuss the components of a comprehensive machine vision system, including cameras, lighting, lenses, sensors and detectors. He will also speak on how to design a system that has the components required for

offered on more than 60 topics. Plus, a free on-site employment service is offered



optimal performance. Areas he will address include: requirements definition, system design, implementation, turnkey systems; and how to determine if a turnkey machine vision system is right for you. Register Now

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