

This Week In PHOTONICS

PHOTONICS MEDIA



Top Stories

Very Large Telescope Reveals Low-Mass Bodies in Orion Nebula

The HAWK-I IR instrument on the European Southern Observatory's (ESO) Very Large Telescope (VLT) has been used to produce the deepest and most comprehensive view of the Orion Nebula to date. The striking images reveal an abundance of faint brown dwarfs and isolated planetary-mass objects, and the presence of such low-mass bodies provides insight into the history of star formation within the nebula itself.



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Lockheed Martin Validates Airborne Sensor System

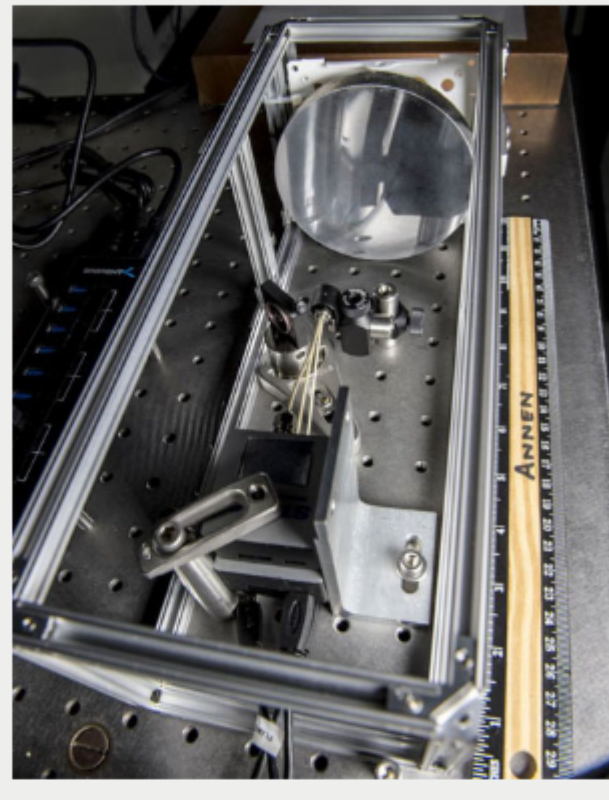
Lockheed Martin Co. said its INFIRNO sensor system has completed its first flight aboard a H-60 BLACK HAWK helicopter, validating its ability to detect, identify and track targets from an airborne platform.



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NASA Develops Carbon-Nanotube Optics for Use in Telescopes Designed for Space Flight

A lightweight telescope that uses a carbon-nanotube mirror is being designed to fit easily inside a CubeSat, a NASA nanosatellite measuring four inches on one side. The telescope, which may be the first to carry a mirror made of carbon nanotubes in an epoxy resin, will be used for a range of CubeSat scientific investigations.



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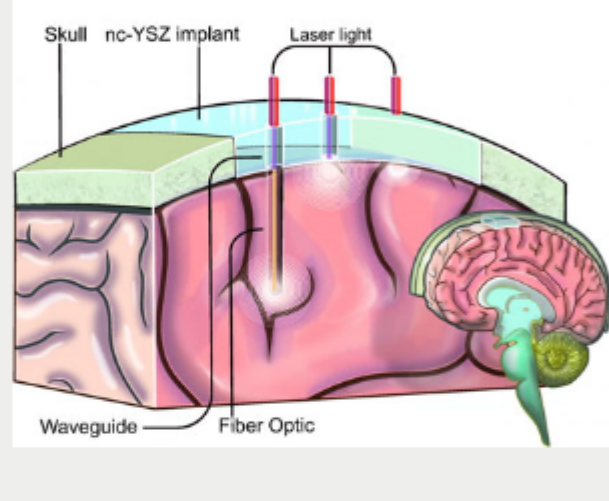
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Window to the Brain Could Enable Laser Surgery

Use of a novel material, nanocrystalline yttria-stabilized zirconia (nc-YSZ), to make cranial implants may allow the safe and efficacious use of laser-based therapies to treat brain disorders and combat the bacterial infections that are a leading cause of cranial implant failure. Nc-YSZ is a transparent version of the same ceramic that is used to make dental crowns and hip implants.



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Field Study Compares Portable Microscopes for Parasite Diagnosis

Handheld, mobile phone-based microscopes could be used in developing countries after minimal training of community laboratory technicians to diagnose intestinal parasites quickly and accurately.



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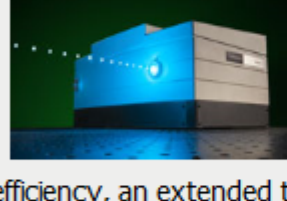
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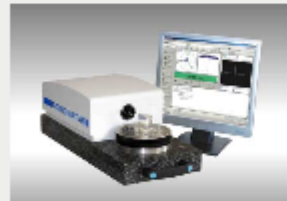
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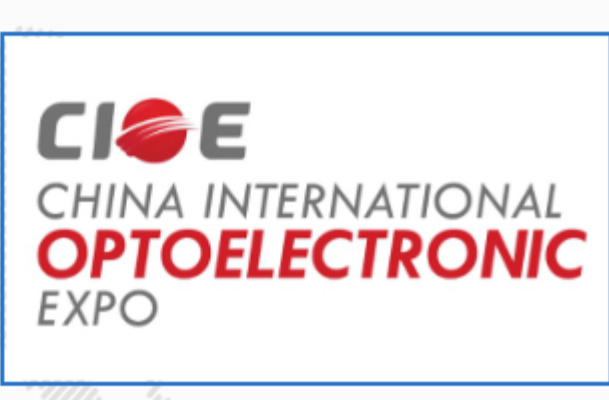
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Industry Events

18th China International Optoelectronic Exposition - CIOE 2016

September 6-9, 2016 - Shenzhen Convention and Exhibition Center - Shenzhen China

China International Optoelectronic Exposition (CIOE) has been held successfully for 17 years and is the world's largest and most influential exhibition in the optoelectronics industry, with a total exhibition area of 110,000 sq. meters. More than 3,200 exhibitors and 60,000 visitors are expected to attend the event, which offers the opportunity to network and collaborate with optoelectronics professionals from industry, research and academia.



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