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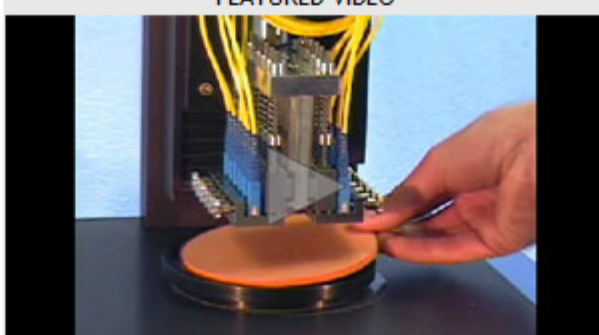


**PRISM AWARDS** Photonics Innovators are Finalists for 2014 Prism Awards

Light-based products that detect hidden explosives or drugs, hyperspectrally image potential ground threats from the air, and push the boundaries of scientific exploration are among the finalists for the 2014 Prism Awards for Photonics Innovation, an annual competition sponsored by SPIE and Photonics Media recognizing new products and inventions that break with conventional ideas, solve problems and improve life. "These new products can improve our ability to diagnose cancer without invading the body, navigate our world with more accurate GPS systems, save money and resources with more efficient solar energy generation, and advance the manufacturing revolution with the ability to print even micro-sized parts using 3-D printers — and much more," said SPIE CEO Eugene Arthurs.

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FEATURED VIDEO



**Krell - Scepter Polishing System**

Scepter is PC controlled for consistent and Telcordia compliant polishing of optical connectors and bare fiber. Technicians are prompted through each process step via the user friendly interface. Various polishing procedures are easily programmed for all connector types and surface finishes. In-line video inspection streamlines production and minimizes component handling.

**Laser Reveals Photosynthetic Processes**

Scientists at Washington University in St. Louis used an ultrafast laser to study a photosynthetic complex — arguably the most important bit of organic chemistry on the planet — in its complete functioning state.

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**Gooch & Housego Acquires Constelex Technology Enablers**

Acquisition of the Athens, Greece-based manufacturer of advanced photonic systems is the optical components and systems maker's second in as many months, and significantly expands the capabilities of the Systems Technology Group (STG) at G&H's Torquay facility.

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**Planner Aims to Inspire Women to Pursue STEM Careers**

The SPIE Women in Optics 18-month planner aims to inspire a new generation of girls to pursue careers in science, technology, engineering and mathematics (STEM). The 2014-2015 planner is available for free from the international society for optics and photonics.

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**Institute of Optics Director Named AAAS Fellow**

University of Rochester Institute of Optics director Xi-Cheng Zhang was named a fellow of the American Association for the Advancement of Science for his contributions to the generation and detection of broadband terahertz waves.

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**Richardson Gratings Names UK Distributor**

Pro-Lite Technology Ltd. will distribute Richardson's diffraction grating products in the UK and Ireland.

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**Ocean Optics Unveils New Science Curriculum**

The spectrophotometer maker has launched a new version of its Spectroscopy 101 curriculum for high school and college teaching laboratories.

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**Schreck Awarded €2M ERC Grant**

Florian Schreck, an experimental physicist at the University of Innsbruck's Institute of Quantum Optics and Quantum Information, received a grant from the European Research Council (ERC) worth up to €2 million (about \$2.7 million) to continue his work into quantum many-body systems.

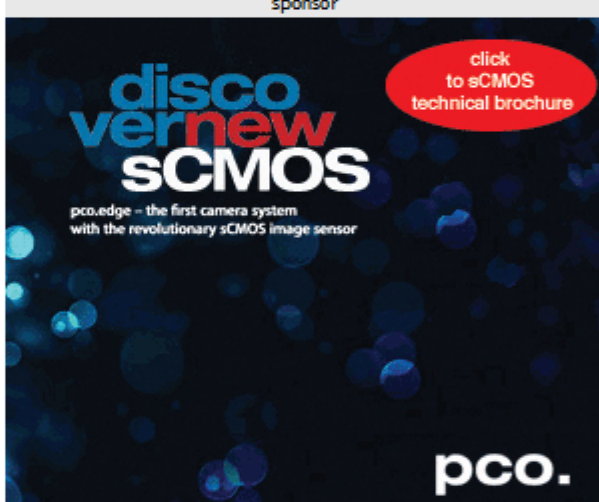
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**Laser-Doppler Vibrometry Center Opens in Stuttgart**

The research conducted at the new center of excellence for laser-Doppler vibrometry in biomechanics is expected to be especially beneficial to those with hearing impairments.

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**Color Machine Vision**

**Matrox Imaging, Div. of Matrox Electronic Systems Ltd.**

Color machine vision's increasing popularity can be attributed to the prevalence of digital cameras with color image sensors, the computing power and interfaces necessary to handle data from color images, and the fact that more users are becoming familiar with machine vision technology. These factors combine to make color machine vision an area of mounting interest, which despite its challenges, provides unique benefits to manufacturing control and inspection.

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**The future of optical networking and communications is here.**

**Industry Events**

**ASCB 53rd Annual Meeting 2013** - December 14 - 18, 2013 - New Orleans, LA

Visit Photonics Media at Booth 221

As the premier international meeting in the field of cell biology, the ASCB (American Society for Cell Biology) Annual Meeting is intended for scientists and students in academia, industry, government, and higher education. Over 100 scientific sessions and 2500 poster presentations cover a variety of scientific areas within the discipline. With opportunities to learn about the latest research and network with peers, the ASCB Annual Meeting appeals to the diverse interests of the international cell biology community.

The ASCB Annual Meeting is the place to: Hear and communicate cutting-edge science; meet the leaders in the fields of cell biology, biophysics, stem cells, and genomics, among others; participate in intimate science discussion tables; attend sessions of special interest to students, minorities, and women; and learn where and how to apply, and advocate for, research funding.

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