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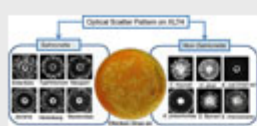
PHOTONICS MEDIA

THE PULSE OF THE INDUSTRY



Thursday, February 20, 2014

Laser Sensor Speeds Up Salmonella Detection in Food Samples



A new laser sensor can identify salmonella bacteria in food samples as much as three times faster than conventional detection methods. Developed by researchers at Purdue University, the sensor, called BARDOT scans bacteria colonies and generates a distinct fingerprint to identify the bacteria in less than 24 hours. Traditional methods can take 72 hours and often require artificial alteration of the colonies.

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Graphene Sandwich Improves Biomolecule Imaging

Atomic-level images of a biological molecule in its natural environment can now be obtained by sandwiching the wet sample between sheets of graphene.

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Ocean Optics Names 2014 Young Investigator Award Winner

Ocean Optics has named University of Arizona graduate student Gabriel Orsinger the 2014 recipient of the Young Investigator Award.

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Products on PhotonicsBuyersGuide.com

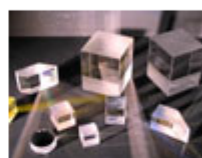


StreamPix 5 Recording Station

NorPix, Inc.

Streampix 5 recording station records from multiple cameras simultaneously at up to 2 Gigabyte per second.. Available for airborne, or laboratory applications requiring single or multiple camera recording.

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At PPD we take pride in meeting exact customer requirements. We understand the importance of delivering the specific optics on schedule. Optical fabrication work is performed in-house using qualified material suppliers.

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Faraday Isolators

Electro-Optics Technology

EOT's 2um Faraday Isolator is ideal for use with thulium and holmium lasers in the 2000 to 2100nm region. This isolator allows you to decouple Ho and Tm laser oscillators from ASE created by amplifiers.

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Spectral Isolation Optical Components

Optometrics Corporation
Optometrics is a high volume OEM and standard catalog component manufacturer of spectral isolation optical components and subassemblies.

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Laser Technique Diagnoses Meningitis

A new laser-based test uses nanoparticles to speed up the diagnosis and treatment of bacterial meningitis, a disease that can lead to blood poisoning and brain damage if not discovered quickly.

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MALS Detector Improves Polymer Research

Wyatt Technology Corp. has discovered that quantitative branching topology information is crucial in the development of novel polymer-based materials and for understanding polymerization processes.

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In this edition of the industry's **premier weekly newscast**: A laser-based photon-counting technique allows NASA to track changes in Earth's polar regions, a new sensor can identify salmonella faster, and a Tyndall scientist received the 2014 Rank Prize for Optoelectronics.

Needle Microscope Wins SPIE Startup Challenge

A new needle microscope that will assist in breast cancer treatment has earned SPIE's annual Startup Challenge.

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OSA Optics Program Inspires Students

The Optical Society (OSA) Foundation is working to inspire a new generation of science lovers through its Optics Suitcase program.

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WHITE PAPER



Thermal Imaging Detects Failures in Electronic Equipment at an Early Stage

FLIR Systems

Thermal imaging cameras are being increasingly used in electronic labs. Italian company TEST uses FLIR Thermal Imaging Cameras to detect failures in PCB boards at an early stage.

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Industry Events

PITTCON 2014 - March 2-6, 2014 · Chicago, IL



More than 2,000 technical sessions will be offered at this year's PITTCON. The 2014 comprehensive technical program will include areas of analytical chemistry, applied spectroscopy, life sciences, bioanalysis and food sciences.

Related topics such as instrumental analysis-chromatography, molecular and atomic spectroscopy, portable instruments, electrochemistry, mass spectrometry and lab-on-chip technology will also be covered, in addition to sessions relating to nanotechnology, shale energy, genomics/proteomics and metabolomics/metabonomics.

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FEATURED VIDEO



PCO Tech – PCO TECH Cameras

A booth tour of PCO-TECH at Photonics West 2013, where various working and static oem cameras were displayed. Including the pco.edge sCMOS mounted onto a Zeiss microscope, pco.edge color version, pco.pixelfly usb compact 14bit camera and pco.dimax HS4 the latest addition to the high-speed camera line. www.pco-tech.com

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