

## IndustryNews

### Scott Jordan Appointed Head of Photonics by Physik Instrumente

PI has appointed Scott Jordan as Head of the Photonics Market Segment. He holds a Bachelor of Science degree and Master of Science degree, both in Physics, from the University of California, Irvine and an MBA in Finance and New Venture Management from the University of Southern California. Jordan's contributions and record of experience and accomplishments in the field of photonics and precision motion control makes him an integral part of PI as it moves into the future.

PI (Physik Instrumente)  
www.pi-usa.us

### RMS Appoints New Chief Executive



Allison Winton, recently appointed Chief Executive of the Society, has been a part of this team for over 30 years. In that time she has run more than 15 successful mmc events (previously MICROSCIENCE), established the Corporate Advisory Board building a closer partnership between the RMS and microscope companies, and led the organization of the largest European Microscopy Congress to date, emc2012 in Manchester. Allison is a great leader for the future of the RMS.

Royal Microscopical Society  
www.rms.org.uk

### Rigaku Innovative Technologies Appoints Alex Sedlacek as Sales Engineer

Mr. Sedlacek will work closely with original equipment manufacturers (OEM) and custom orders in North America and around the globe. A sales engineer with expertise in mechanical engineering technology, Mr. Sedlacek joins Rigaku from Kennedy Industries, where he provided technical sales support to customers throughout the Midwest. He has experience in commercial business-to-business sales and is a Certified Electro-Finisher through NASF (National Association for Surface Finishing).

Rigaku Innovative Technologies, Inc.  
www.rigakuoptics.com

### ACS Motion Control Joins Forces with PI

PI announced the acquisition of 80% of the Israeli-based company, ACS Motion Control, a well-known developer and manufacturer of controllers and drives for multi-axis systems. One such use is PI's range of multi-axis air bearing linear stages with magnetic direct drive that are suitable for precision material processing, inspection systems, mounting applications, or digital printing. ACS will continue to be independent within the PI Group, and they will continue to supply existing customers.

PI (Physik Instrumente) L.P.  
www.pi-usa.us

### Bruker Announces Acquisition of Nanoindenting Leader Hysitron

Bruker announced that it has acquired Hysitron, Inc., a technology leader in the development, manufacture, and sale of nanomechanical test instrumentation. The acquisition adds Hysitron's innovative nanomechanical testing instruments to Bruker's existing portfolio of AFMs, surface profilometers, and tribology and mechanical testing systems, significantly enhancing Bruker's leadership position in nanomaterials research markets. Hysitron's 2016 revenues were approximately \$20 million. Financial details of the transaction were not disclosed.

Bruker Corporation and Hysitron, Inc.  
www.bruker.com

### Series Production Start: Twelve New ace Models with IMX Sensors from Sony



The series production of twelve new Basler ace models with IMX250, IMX252, IMX264, and IMX265 sensors from Sony's Pregius line has started. The new ace models from camera manufacturer Basler feature resolutions of 3.2 to 5 megapixels.

The twelve new cameras deliver up to 120 frames per second, are available with the proven GigE or USB 3.0 interface, and conform to the GigE Vision 2.0 or the USB3 Vision standard.

Basler AG  
www.baslerweb.com

### Zeiss Participates in UC Berkeley Vision + Light: Extending The Senses

ZEISS participated at *Vision + Light: Extending the Senses*, an event where researchers and educators came together to see ZEISS's microscopy and video technology in action. The event was a presentation exploring exhibits of microscopy, multimedia artwork, digital sound, and sculpture created by artists and scientists. Featured on interactive display was the ZEISS's Digital Classroom, which is a series of digital microscopes with connected cameras designed to promote an interactive learning environment.

ZEISS Microscopy  
www.zeiss.com/microscopy

### Oxford Instruments Asylum Research Launches Its New Online European AFM Probe Store

Oxford Instruments Asylum Research has launched its new European Atomic Force Microscopy Probe Store, <https://afmProbes.asylumresearch.eu>. The EU Probe Store serves customers in all of Europe, India, and the Middle East, offering a complete range of probes for virtually all AFMs. Customers can shop for a wide range of probe models, including probes from Asylum's own SurfRider™ line and many other manufacturers.

Oxford Instruments Asylum Research  
<http://afmProbes.AsylumResearch.eu>

## Princeton University's New PRISM Facility Features a Suite of Advanced Microscopy and Analysis Solutions



The Princeton Institute for the Science and Technology of Materials (PRISM) unveiled its new Micro/Nano Fabrication Laboratory and Imaging and Analysis Center facilities, which are home to a suite of advanced

analytical instrumentation from Thermo Fisher Scientific. The instruments will be used by researchers to investigate the structure of novel materials, including nanoparticles and quasi crystals that are critical to the development of alternative energy technologies such as batteries.

Thermo Fisher Scientific Inc.  
www.thermofisher.com

## Innovations in Optics, Inc. Joins Texas Instruments Design Network, Offering LumiBright™ UV-LED Illuminators for TI DLP® Technology



LumiBright 3300B UV-LED Illuminators are a high-power, highly uniform UV-LED solution providing unprecedented speed and resolution for UV DLP applications. Two models have been developed for DLP chipsets. The 20-watt illuminator is designed for the DLP7000

chipset, and the 30-watt illuminator design supports the DLP9500 chipset. Available wavelengths include 365, 385, 395, and 405 nm in single or multi-wavelength configurations.

Innovations in Optics, Inc.  
www.innovationsinoptics.com

## Fork-Based AFM/STM Probes

NaugaNeedles offers tuning-fork-based probes for scanning probe microscopy applications. Our unique approach is to add a third electrode on the top of one of the tuning fork prongs. The added electrode is connected to the tip for tunneling current/conductivity readout without cross talk with the fork electrodes. Since the additional mass to the fork is minimal, the quality factor and the resonance frequency do not change significantly. The tip sharpness can be as small as 15 nm.

NaugaNeedles  
http://nauganeedles.com

## New Hiden CATLAB Microreactor/MS Brochure

The new brochure details the Hiden CATLAB-PCS combined microreactor and mass spectrometer system, purpose-designed for the characterization and evaluation of catalysts together with general thermal studies. The modular benchtop system features an advanced fast-response low-thermal-mass 1000°C furnace together with multi-stream gas flow control of up to eight integrated gas streams, and a precision Hiden quadrupole mass spectrometer with a quartz inert sampling line close-coupled directly to the reactor for minimized dead volume and sample memory.

Hiden Analytical  
www.HidenAnalytical.com

## NIGHTSEA and EMS Launch 3rd Annual KEY Award in Fluorescence Stereo Microscopy for New Faculty



To help young faculty members in these areas set up their first labs, NIGHTSEA, providers of the Stereo Microscope Fluorescence Adapter (SFA), are partnering again with well-known accessories supplier EMS-Diatome to offer the KEY Award: an equipment grant of a NIGHTSEA SFA with two

excitation/emission combinations plus \$750 in equipment or supplies selected from the full EMS catalog.

NIGHTSEA and EMS Diatome  
www.nightsea.com/key-award

## Navitar Purchases Canadian Camera Manufacturer PixeLINK®

Navitar Canada, Inc. announced the purchase of PixeLINK®, a developer of digital cameras for use in industrial, life science, and other advanced imaging applications. This acquisition allows Navitar, Inc. to offer fully integrated end-to-end lens and camera imaging solutions. PixeLINK manufactures, optimizes, and integrates industrial cameras for machine vision applications and microscope cameras for life science and digital microscopy applications. Product offerings include CMOS and CCD sensors, coupled with state-of-the-art high-speed digital technologies.

Navitar Canada, Inc. and PixeLINK  
www.navitar.com

## The Jensen Laboratory at the HHMI at Caltech Incorporates the Quorum Cryo-SEM Preparation System in Microbial Cell Biology with Electron Cryotomography

Quorum Technologies report on how their PP3010T Cryo-SEM preparation system is being used in the preparation of hydrated whole cells to be imaged using electron cryotomography in the Jensen Laboratory to study the molecular architecture of microbial cells and HIV in their native state. The focus is on the fundamentals of microbial cell biology such as cell division, movement and secretion.

Quorum Technologies Limited  
www.quorumtech.com

## Qioptiq Presents New Wavelength Pairs for iFLEX-Gemini Dual-Wavelength Laser Engine

Qioptiq introduced its new wavelength pairing for the popular iFLEX-Gemini Dual-Wavelength Laser Series with new 488/647nm wavelengths at SPIE Photonics West. With the new 647 nm wavelength, the solid-state iFLEX-Gemini enables the use of specific fluorescence dye sets for critical super-resolution microscopy and cancer research. Moreover, with its solid-state design, iFLEX-Gemini is 1/10 the size of equivalent argon-krypton gas lasers. It is easy to connect the iFLEX-Gemini to any microscope.

Qioptiq, an Excelitas Technologies Company  
www.qioptiq.com