

## IndustryNews

### TECHSPEC® Variable Magnification Telecentric Lenses



Edmund Optics® offers its TECHSPEC® Variable Magnification Telecentric Lenses. Featuring a telecentric design throughout their entire magnification range, these versatile lenses offer a compact, cost-effective solution for replacing standard fixed focal length lenses. The lenses are available in 0.5× to 1.0× and 1.0× to 3.0× options and feature resolutions of >20% at 75lp/mm across fields-of-view ranging from 2.93 to 17.96mm. An adjustable iris allows for depth-of-field control.

Edmund Optics  
www.edmundoptics.com

### New Appointments Support at TESCAN

TESCAN USA Inc. has named Bob Rametta their director of customer support and Frank Marshall their national service manager for North America. Rametta brings to TESCAN-USA a vast knowledge of electron microscopy and a passion for supporting customers in the world of nanotechnology. Frank Marshall founded and became president of Excel Service Solutions, a service provider to customers who owned AMRAY SEMs. Marshall joined TESCAN USA in 2012 in the position of assistant service manager.

TESCAN ORSAY HOLDING, a.s.  
www.tescan.com

### JPK Announces the Opening of US Offices in Southern California

JPK Instruments is pleased to announce the opening of their first USA-based offices. With more than twelve years supplying nanoscale solutions worldwide for researchers in the bio, life, and materials sciences, JPK is to open their offices in Carpinteria, California to support users across the Americas. To lead the delivery of this promise, JPK has selected SPM expert, Dr. Stefan Kaemmer, as their first general manager of US operations.

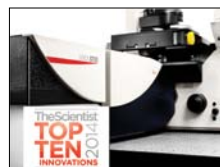
JPK Instruments AG  
www.jpk.com

### Park Systems Announces Revolutionary Auto Mode for AFM

SmartScan with its simple point-and-click auto mode AFM imaging and digital cameras will make a significant difference in atomic force microscopy. The auto mode feature eliminates the time-consuming steps of moving the Z scanner down to the sample, approaching the tip a few nanometers above it without crashing, and calculating the optimum scan speed. SmartScan operating software for Park AFM systems will be provided at no cost to all existing users and will be standard on all future equipment.

Park Systems, Inc.  
www.parkafm.com

### Leica Microsystems's STED Super-Resolution Microscope for its Innovative Technology



*The Scientist* magazine has chosen the Leica TCS SP8 STED 3X as one of the Top 10 Innovations 2014 that will change the way life scientists work. An independent jury of experts from science and industry selected the latest generation of Leica

Microsystems's super-resolution microscopes. This is the second time that the Leica TCS SP8 STED 3X scores, having also won the R&D 100 Award of R&D Magazine.

Leica Microsystems GmbH  
www.leica-microsystems.com

### Renishaw Receives Queen's Award for Spectroscopy Developments

Dame Janet Trotter, Her Majesty's Lord-Lieutenant of Gloucestershire, presented Renishaw with its seventeenth Queen's Award. This prestigious award was granted for the continuous development of the company's inVia Raman microscope, with ultra-fast Raman imaging, which enables the rapid generation of high-definition 2D and 3D chemical images for material analysis. This Queen's Award for Enterprise 2014, granted in the Innovations category, is the first to recognize Renishaw's achievements outside of the field of industrial metrology.

Renishaw plc  
www.renishaw.com

### Nikon and JEOL Announce Partnership

Nikon Instruments, Inc. is pleased to announce a strategic partnership between Nikon and JEOL to research and develop solutions to address correlative light and electron microscopy. With the development of super-resolution technologies, there has been growing interest in the research community to correlate light-microscopy data with electron-microscopy data to further push the limits of resolution. Nikon has partnered with JEOL to address these needs.

Nikon Instruments Inc and JEOL USA  
www.nikon.com and www.jeol.com

### Andor Launches KOMET 7

Andor Technology announced the release of Komet 7 and Komet 7-GLP, their latest versions of the original Komet software. Komet software allows the capture and analysis of images from The Comet Assay. The assay permits the quantification of DNA damage and repair in single cell preparations and is applicable to any eukaryotic cell. The assay can be used in both *in vitro* and *in vivo* testing and has been shown to be a powerful and sensitive predictor of genetic toxicity.

Andor Technology, an Oxford Instruments company  
www.andor.com/komet

## Thermo Fisher Scientific Opens New Facility in Fremont, CA



Local area leaders joined Thermo Fisher Scientific in a ribbon-cutting ceremony for the new Niche Diagnostics Center of Excellence, which will be home to more than 500 employees. More than 60 scientists work in the Research and Development (R&D) laboratory at Thermo Fisher Scientific's new Niche Diagnostics Center of Excellence in Fremont, CA. They create new, innovative technologies and develop diagnostic products for drugs of abuse testing and therapeutic drug monitoring.

Thermo Fisher Scientific Inc.  
www.thermofisher.com

## RISE Microscopy Chosen as 2015 Prism Award Finalist

RISE Microscopy has been nominated for a 2015 Photonics Prism Awards, which honors the best new photonic products on the market and are presented each year by SPIE and Photonics Media. RISE microscopy is a correlative microscopy technique combining the chemical analysis power of Raman imaging with the ultra-structural characterization capabilities of a scanning electron microscope in an integrated system. It is a joint development of WITec and the Czech electron microscope manufacturer Tescan.

WITec GmbH  
www.witec.de/products/rise

## Olympus Hosts Tech Day at Smithsonian's National Museum of Natural History

The event was held at the Smithsonian's National Museum of Natural History's (NMNH) Q?rius (pronounced curious) exhibit, an interactive and experimental learning space, as part of an initiative to bring solutions and technology to expert institutions. Olympus is supporting the comprehensive 10,000-square-foot Q?rius exhibit with a donation more than 50 microscopes and imaging systems that enables museum visitors, along with remote participants, to access research objects in the Smithsonian NMNH's collection.

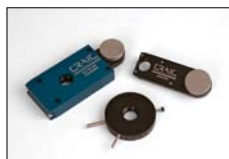
Olympus Corporation  
www.olympus-ims.com

## WITec Refreshes Its Website

WITec has launched its new company website. The new design has been thoroughly renovated and optimized for touchscreens and mobile devices. The clear layout allows quick and convenient access to all page content. In addition to information regarding the product line, company news, and events, the webpage includes new features to broaden the spectrum of the website. WITec's aim is to provide its customers with supplementary information about microscopy techniques, fields of application, and advanced training opportunities.

WITec GmbH  
www.witec.de

## UV-Visible-NIR Polarization Spectroscopy of Microscopic Samples



CRAIC Technologies, a leading innovator of UV-visible-NIR microanalysis solutions, is proud to announce the addition of UV-visible-NIR polarization spectroscopy capabilities to CRAIC microspectrophotometers. This unique feature is offered as a package that allows the user to measure polarization spectra in either transmission or reflectance modes. With the ability to measure polarization microspectra™ in the ultraviolet, visible, and near infrared regions, the UV-visible-NIR polarization package represents a powerful new tool for both materials science and biological research.

CRAIC Technologies, Inc.  
www.microspectra.com

## 3-D EM Simulation Platform

Keysight Technologies Inc. introduced the latest release of Electromagnetic Professional (EMPro) software, its 3D electromagnetic simulation software. EMPro 2015.01 offers many new capabilities to reduce simulation time and increase design efficiency. The most notable enhancement in EMPro 2015.01 is a speed improvement to its finite element method (FEM) simulator that reduces by half, on average, the time it takes for simulations that exceed 2 min. Furthermore, the simulator now features improved FEM mesh performance and efficiency for large designs.

Keysight Technologies Inc.  
www.keysight.com

## Semrock Receives ISO 9001:2008 Certification Award

Semrock announced that the Quality Management System for its Rochester facility has recently been certified as compliant to the ISO 9001:2008 standard that demonstrates Semrock's continuing commitment to customers in the medical point-of-care market. Medical diagnostic device developers can continue to place their trust in Semrock to deliver the precision optical filters they need in high volumes, knowing that each filter is manufactured using the highest production standards and procedures for consistent and lasting performance.

Semrock, Inc.  
www.semrock.com

## New Industry Collaboration

CoolLED Limited, a manufacturer of LED fluorescence illumination products, announced that Prior Scientific, specialists in scientific instrumentation, microscope automation, and optical microscopy has chosen CoolLED as their OEM partner in a collaborative enterprise to satisfy Prior's customers' requirements for LED illumination. Response to this collaboration has been large and continues to grow. CoolLED was the first to introduce a commercially available LED illumination unit for fluorescence microscopy and continues to develop products for the life sciences and other markets.

CoolLED Limited  
www.coolled.com