

## IndustryNews

### Jenoptik Establishes Application Center in Silicon Valley

The new Jenoptik office, strategically located in Fremont in the Silicon Valley region, will serve the unique engineering and product development needs of the region. Expert personnel will help customers realize their innovation goals and provide local support. The center will also serve as a hub to connect and integrate competencies from other development centers of Jenoptik worldwide. With more than 30 facilities across the globe and eight offices now in the US, Jenoptik globally ranks among the industry-leading photonic companies.

JENOPTIK Optical Systems, LLC  
www.jenoptik.com

### Advancing the Next Generation of Batteries



The Electrochemical Innovation Laboratory at University College London is using ZEISS Xradia 810 Ultra X-ray microscopy to study the inner workings of batteries and fuel cells, enabling the team of researchers to study the evolution of microstructure down to 50 nm resolution, revealing the fine details of lithium-ion

batteries in 3D. The research team was able to relate large features in the package to the complex pore pathways within the electrode layers and separators.

Carl Zeiss X-ray Microscopy, Inc.  
www.zeiss.com/xrm

### Allied Vision 1 Product Line Awarded “Top Innovation 2018” by inVision

Allied Vision’s 1 product line was awarded “Top Innovation” 2018 by inVision, the specialized German magazine for image processing, embedded vision, and 3D metrology. The fourth annual inVision awards recognize innovations in the field of image processing and optical metrology. After deliberations, an independent jury of experts awarded Allied Vision 1’s product line the “inVISION Top Innovation 2018” seal of approval.

Allied Vision Technologies GmbH  
www.alliedvision.com

### BioAxial Granted US Patent Covering “Black Fluorophore” Technology

BioAxial announced that it was granted a US patent covering “black fluorophore,” a pivotal component of “dark tracking” technology. This patent strengthens the company’s position as a technology leader in the field of commercial super-resolution imaging modules. Dark tracking belongs to a new family of super-resolution technologies in microscopy that is expected to achieve tracking or imaging at only a few nanometers or even a single nanometer, with low light levels.

Bioaxial  
www.bioaxial.com

### ZEISS Signed Strategic Partnership Agreement with Xnovo

The ZEISS Microscopy business group announced that it signed an exclusive strategic partnership agreement with Denmark-based Xnovo Technology ApS, a company that develops innovative software-based 3D X-ray imaging and analysis solutions. The two companies have already been working together over the past two years. This strategic partnership is targeting to advance further and expand the laboratory-based diffraction contrast tomography technique, commercialized as LabDCT, on ZEISS Xradia 520 Versa.

ZEISS Microscopy and Xnovo Technology ApS  
www.zeiss.com and xnovotech.com

### Spectrolight Appoints Griot Group and Hass Technical Sales as Exclusive U.S. Representatives

Spectrolight has appointed the Griot Group as their exclusive sales representative for the western United States and Hass Technical Sales as their exclusive representative for the northeastern US. Both representatives will be responsible for sales of the entire Spectrolight product line, including the company’s unique Flexible Wavelength Selectors, broadband illumination sources, lightweight breadboards, spectrometers, fluorimeters, and related photonic components and devices. They will support OEMs and laboratory end users.

Spectrolight, Inc.  
www.spectrolightinc.com  
www.griotgroup.com

www.haastechsales.com

### Park Systems Holds Grand Opening Ceremony of the Park Nanoscience Lab at Their European Headquarters

Park Systems, a world-leading manufacturer of atomic force microscopes, celebrated the grand opening of their European Headquarters on February 6, 2018, in Mannheim, Germany. The new office will serve as a central European AFM research facility, providing technical sales and service with a fully equipped atomic force microscopy nanoscience lab on-site. The ceremony was attended by Park Systems representatives from Europe, US, and Asia.

Park Systems  
www.parkafm.com

### Prior Scientific to Acquire Queensgate Instruments

Prior Scientific Instruments, Ltd. is pleased to announce that it has acquired Queensgate Instruments, a division of Elektron Technology. Queensgate, with its manufacturing based in Torquay, is a leading supplier of high-precision nanopositioning systems and sensors. “Queensgate is the premier manufacturer of extremely high-accuracy positioning devices and sensors, and they fit in well with the precision products that Prior has been supplying to a variety of markets,” says CEO, Tom Freda.

Prior Scientific Instruments and Queensgate Instruments  
www.prior.com

## CRAIC Technologies Receives ISO 9001:2015 Certification



CRAIC Technologies announced that they have been certified under ISO 9001:2015 and are audited and registered annually. The ISO 9001:2015 Quality Management System is the most updated standard of its kind and focuses on quality management systems and performance. It assists companies in developing a management system that combines quality with their wider business strategy. There is a

focus on risk-based thinking and accountability in all organizational processes that help improve communications, efficiency, and implementation of continuous improvement.

CRAIC Technologies, Inc.  
www.microspectra.com

## Andor Dragonfly Scoops R&D 100 Award



Dragonfly was recognized by the R&D 100 Awards as one of the most Technologically Significant New Analytical Products of the year. The Dragonfly family was launched with the 500-series, a multi-modal imaging platform offering microlens spinning

disk, laser epi-fluorescence, dual-camera imaging with super-resolution, and multiwavelength TIRF options. Delivering impressive flexibility, the 500 is a major advance in experimental throughput for single investigators as well as core facilities.

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

## Nightsea and EMS Launch 4th Annual Key Award in Fluorescence Stereo Microscopy for New Faculty

To help young faculty members set up their first fluorescence stereo microscopy labs, NIGHTSEA, providers of the Stereo Microscope Fluorescence Adapter (SFA), are again partnering 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.

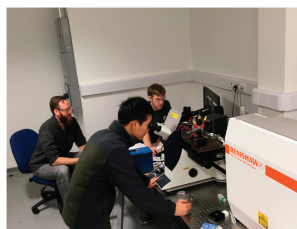
NIGHTSEA  
www.nightsea.com/key-award

## JEOL's Food Drive for Haven from Hunger Gets Competitive

JEOL USA takes its community service seriously, encouraging employees to volunteer for 8 hours each year during the work hours. The spirit of giving is getting competitive at JEOL USA headquarters in Peabody, Massachusetts. JEOL employees were challenged to a food drive to support Haven from Hunger. Six teams competed for the heaviest donations, filling boxes with food staples that collectively weighed three tons.

JEOL USA  
www.jeolusa.com

## Raman Spectroscopy Helps Battery Research



The Stephenson Institute for Renewable Energy, University of Liverpool, UK, is developing new devices, in the form of batteries and supercapacitors. Key to this work is understanding the interfacial processes that occur at electrode surfaces. Raman

spectroscopy is a particularly powerful technique for this application. Hardwick's group uses a Renishaw inVia confocal Raman microscope for this work. They can study the electrode through the electrolyte, with a high spatial resolution, with high sensitivity and non-destructively.

Renishaw Plc  
www.renishaw.com/batteries

## TMC Now Installed on All Seven Continents



TMC completed its first installation at a research project in the Antarctic. With that installation, TMC, a unit of AMETEK Ultra Precision Technologies, now has vibration cancellation systems installed on all seven continents. The Antarctic installation involved scientists

from the Cooperative Institute for Research in Environmental Sciences at the University of Colorado. The team is working on setting up a new STAR Na Doppler lidar system at the Arrival Heights Laboratory.

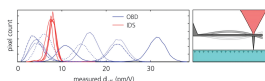
TMC, a unit of AMETEK Ultra Precision Technologies  
www.techmfg.com

## New Catalog on Piezo-Mechanic Nanopositioning Motion Systems for OEM, Industry, and Research is Released

This new showcase catalog from PI covers piezomechanical actuation and precision motion systems for OEM, industry, and research. Examples of standard products highlighted in this publication range from low-cost OEM-type flexure actuators to 6-axis integrated nanopositioning systems, as well as ultra-fast laser steering systems and photonics alignment systems. Along with the piezo mechanic systems, digital controllers and sub-nanometer precise position sensors are part of the solutions PI offers.

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

## Asylum Research Quantifies the "Last Axis" in Atomic Force Microscopy



Oxford Instruments Asylum Research announced their development of an interferometric displacement sensor

(IDS) that provides a direct measure of AFM cantilever displacement. The IDS interfaces the existing optical system of the Asylum Research Cypher AFM with an external laser Doppler vibrometer. It does not replace the standard laser and detector; rather, it provides a complementary detection method that measures the true tip displacement.

Asylum Research, an Oxford Instruments Company  
www.oxford-instruments.com/Cypher-IDS-Option