

IndustryNews

Park Systems Cited as Most Promising Semiconductor Technology Solution Provider of 2018 by CIO Review

Park Systems was recently awarded one of the 20 Most Promising Semiconductor Technology Solution Providers of 2018 by *CIOReview* magazine. “This recognition is given to companies that are at the forefront of providing semiconductor technology solutions and impacting the marketplace,” states Jeevan George, Managing Editor of *CIOReview*. “Park Systems is honored for creating semiconductor metrology solutions with a focused effort on customer needs and performance requirements.”

Park Systems
www.parksystems.com

EmCrafts SEMs Now Available In U.S.

Electron Optics Instruments announces that it will now serve as the sole U.S. distributor of the full line of SEMs from EmCrafts. The line includes several full-size SEMs along with the new desktop model, the Cube II. EOI has been serving as experts in the electronics field, building and servicing SEMs since the late 1980s. They said that it has been incredible to witness the progression of SEM the size of an entire room to a desktop instrument.

Electron Optics Instruments
www.electronopticservice.com

ZEISS Delivers Tomographic Imaging with Results 4x Faster for Geologists and Geological Industries

The new module for the ZEISS Xradia Versa 500-series of 3D X-ray microscopes (XRM) will allow users to acquire high-quality images in one-quarter the time. ZEISS OptiRecon uses a new, advanced iterative reconstruction technique. One can make a choice based on the job requirements: the same quality images four times faster, or superior quality in the same amount of time as standard image acquisition.

ZEISS
www.zeiss.com/microscopy

Olympus and USC Announce Partnership in Cancer Research

The USC and Olympus have announced their partnership with the goal of advancing multiscale research into cancer prevention, diagnosis, and treatment through precision medicine. The USC-Olympus Innovation Partnership in Multiscale Bioimaging demonstrates the clinical utility of new technologies that combine the workflow of a surgical biopsy and primary diagnosis with microscopic cellular and molecular characterization. The resulting personalized medicine and treatment selection will advance cancer research and potentially improve the precision of patient diagnosis and treatment.

Olympus and The University of Southern California
www.olympus-lifescience.com

ZEISS and Arivis AG Partner to Provide Leading 3D Imaging Systems

New microscopy technologies, such as light sheet fluorescence microscopy, or clearing methods, allow the imaging of large samples at high resolution or high frame rates. Handling, processing, and analyzing these multi-terabyte data sets has become increasingly difficult for scientists, for example, in developmental biology and neuroscience. New tools are needed to overcome these challenges. ZEISS has teamed up with Arivis to offer complete solutions from initial image acquisition to final results.

Arivis and Zeiss
www.arivis.com and www.zeiss.com/microscopy

Prior Scientific Celebrates 100-Year Anniversary

Prior Scientific Instruments Ltd marks its 100th anniversary of the company's founding in 1919. W.R.Prior Co Ltd was founded in London, in 1919, by Walter Robert Prior and Andrew Physicks, as a manufacturer of microscopes. Prior relocated to its present home in Fulbourn, Cambridge, in 1988. The company expanded its presence in the USA in 1991 with a facility in Rockland, Massachusetts, which is now also a key manufacturing facility for the company.

Prior Scientific
www.prior.com

Lucille Giannuzzi Joins TESCAN USA

TESCAN introduced Dr. Lucille Giannuzzi as Regional Sales Manager, Mid-Atlantic region. Dr. Giannuzzi joins TESCAN USA with extensive experience in FIB, scanning electron, and transmission electron microscopy, with applications expertise in both the physical and life sciences. Over the past year, TESCAN USA Inc. has experienced explosive growth, hiring over 13 new personnel in such specialty areas as applications, sales, service, and marketing, including the introduction of eight new products over the past year and more slated for 2019.

TESCAN USA Inc.
www.tescan.com

New Report: Less Time Preparing Biological Samples

Leica's new application report addresses how automated serial sectioning with the new ARTOS 3D ultramicrotome can help optimize the array tomography imaging workflow. In this application, the goal was to investigate the complex 3D organization of the paracortical conduit system of mouse popliteal lymph nodes using array tomography. To achieve the best results, uniform, ordered arrays of serial sections are needed, but preparing the sections can be challenging and time-consuming.

Leica Microsystems Inc.
www.leica-microsystems.com

Olympus Launches New Industrial Research Chair at Quebec Engineering School

Olympus is proud to announce the launch of the Olympus Industrial Research Chair on Ultrasonic Nondestructive Testing with the Quebec engineering school, École de Technologie Supérieure (ÉTS). Pierre Bélanger, ETS Professor, was joined by his team and representatives from Olympus, the world's leading manufacturer and distributor of nondestructive testing equipment, to outline the challenges they will tackle over the next five years. These include simplifying the interpretation of data obtained through ultrasonic testing, designing novel ultrasonic transducers for harsh environments, and engineering innovative ways to test materials without causing damage or dissembling them.

Olympus
www.olympus-ims.com

New Brochure Explains Nanopositioning Mechanisms for High-Resolution Microscopy Applications

Selecting the best drive technology for each application can become a tedious job for the microscope designer as well as the researcher. PI's new "Nanopositioning for Microscopy" brochure simplifies this selection process with informative flow charts and application tables. Available in print and as interactive PDF with direct links to additional information on the PI website, this comprehensive overview of PI products addresses the needs of both engineers and scientists.

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

PI Appoints Dave Rego as New Vice President / General Manager of North American Operations

PI announced that Dave Rego is the new Vice President and General Manager of PI's North American Operations. Rego has worked within PI USA's sales operations and sales leadership while working at PI USA's Auburn headquarters. He has also built relationships with key customers, and gained an understanding of PI's manufacturing capabilities, an important factor in PI USA's future growth.

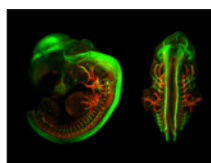
PI (Physik Instrumente) L.P.
www.pi-usa.us

Excelitas Technologies Announces Agreement to Acquire Axsun Technologies

In January 2019, Axsun Technologies joined Excelitas Technologies® as the latest addition to their expanding portfolio of high-performance photonics solutions. Axsun's OCT expertise and laser light engine technology expands the range of specialty illumination and medical imaging capabilities which Excelitas can now offer to its biomedical, scientific, and industrial customers seeking single-source reliability and convenience for their end-to-end photonic systems requirements.

Excelitas Technologies Corp.
www.excelitas.com

Miltenyi Biotec Acquires Promising Non-Harmful Imaging Process



Miltenyi Biotec announced that it has signed a purchase contract for a non-harmful, fluorescence-preserving, optical clearing process from the University of Duisburg-Essen, Germany. The acquired invention involves an easy-to-use protocol that allows a safe optical clearing of biological samples for microscopy using an organic solvent-based clearing agent. It is the first method for preparing large biological samples for three-dimensional imaging that completely avoids the use of any harmful agents while maintaining fluorescent staining for high-quality imaging.

Miltenyi Biotec GmbH
www.miltenyibiotec.com

Asylum Research Opens a Sales and Support Office at Oxford Instruments U.S. Headquarters

Oxford Instruments Asylum Research announced the opening of a new sales and support office to better serve AFM users in the eastern United States. The new office is co-located within the established Oxford Instruments U.S. headquarters in Concord, MA. The site features a new demonstration lab with Asylum's high-performing microscopes that will be used for sales demonstrations, customer training, and regional technical workshops.

Oxford Instruments Asylum Research, Inc.
http://afm.oxinst.com

New Features for Allied Vision's Mako Gige Cameras with Sony IMX Sensors

Allied Vision extends the feature set of the Mako G cameras equipped with Sony Pregius CMOS sensor. They now support IEEE 1588 Precision Time Protocol (PTP) support and action commands for triggering the camera via the Ethernet connection (ToE). These cameras now offer a more comprehensive feature set, the latest Sony CMOS sensors, and support for popular C- and CS-Mount lenses in an ultra-compact housing (29 mm × 29 mm).

Allied Vision
www.alliedvision.com

Zeiss Announces its New Release of the ZEISS Mineralogic Software



ZEISS announces its biggest new release of the ZEISS Mineralogic software at the Process Mineralogy '18 conference in Cape Town, South Africa. This is the seventh installment of ZEISS Mineralogic since the software was brought to the market in July 2014 and represents a significant advancement in both features and productivity. The software is already well known for providing quantitative mineralogy with the ability to calibrate EDX data to reference standards while simultaneously quantifying mineral textures.

ZEISS Research Microscopy Solutions
www.zeiss.com/microscopy