

IndustryNews

Park Systems Completes Equity Investment in Molecular Vista

Park Systems Corporation, a world-leading manufacturer of atomic force microscopes (AFM), announced that it has made an equity investment in Molecular Vista (www.molecularvista.com) based in San Jose, CA. Molecular Vista produces AFM tools to probe and understand matter at the molecular level through quantitative visualization using infrared photo-induced force microscopy (IR PiFM).

Park Systems
www.parksystems.com

Olympus Named a Gold Edison Award Winner

X Line objectives break optical barriers to deliver outstanding image quality. Olympus announced that their X Line Objectives received a Gold Edison Award in the Applied Technology category and Optical & Imaging Technologies subcategory. The Edison Award is one of the most prestigious accolades honoring excellence in new product development, design, and innovation.

Olympus
www.olympus-lifescience.com

Coxem Partners with EMS and Bruker Nano for Microscopy Training

COXEM Co. Ltd. and Bruker Nano have partnered with Electron Microscopy Sciences (EMS) for a scanning electron microscopy (SEM) training and product demonstration collaboration at the EMS Microscopy Academy located at the EMS Diasum headquarters in Hatfield, PA. COXEM and Bruker Nano have placed an EM-30AX^N tabletop SEM with a Bruker XFlash 630 EDS at the Academy lab as a training tool for both current customers and anyone interested in learning more about tabletop SEM.

Electron Microscopy Sciences
www.emsmicroscopyacademy.com

Scopio Labs and SYNLAB's Veterinary Pathology Group Partner to Bring First In-Practice Digital Cytology Solution to the UK



This news follows the company's recent announcement of a \$16 million Series B funding round (bringing total funding to \$30 million), which will enable the company to expand commercial operations in the U.S.

and Europe. To learn more about the benefits of ScopioVet and the unique tools it provides for pathologists, contact Scopio Labs.

Scopio Labs
<http://scopiolabs.com>

Park Systems, World-Leading Manufacturer of Atomic Force Microscopes, Announces the Opening of a New Subsidiary in the UK

The new office is part of Park Systems Europe, one of the fastest growing regions of Park Systems Global. Park Systems UK will serve the British and Irish research communities and industrial sector and includes a Park Nanoscience laboratory equipped with a Park NX20 Large Sample AFM. It will be supported by a full range of research and industrial AFM tools.

Park Systems
www.parksystems.com

APPLIED IMAGE Launches a New NIST Traceable Color Calibration Slide for Whole Slide Imagers

APPLIED IMAGE, a pre-eminent manufacturer of NIST Traceable Calibration Standards, launched a newly designed color calibration slide that will help standardize whole slide imaging analysis. The new NIST Traceable, Whole Slide Imaging Color Transmission Calibration Standard (p/n IAM-9C-WSI) is designed to help researchers calibrate, standardize, and trace color settings for imaging analysis. With this addition, APPLIED IMAGE now offers two choices for color calibration standards for digital pathology.

Applied Image, Inc.
www.appliedimage.com

WITec Begins Expansion of its Headquarters Facility

WITec GmbH, the technology leader in correlative Raman microscopy, is expanding its headquarters building in Ulm, Germany. The new addition will offer more space for production and quality assurance, laboratories for development and customer demonstrations or sample measurements, larger conference rooms, and greater logistical capability. When complete, the new addition will double the amount of space available at WITec's core location. Construction of the new addition will continue through 2020 with an anticipated opening toward the end of 2021.

WITec
www.witec.de

Rising Organic Light Emitting Diode (OLED) Market Marks a New Era in Lighting and Screen Technology



The OLED panel market is forecasted to grow at a CAGR of 12.9% during 2020–2025 to reach 45.55 billion units by 2025. Even with a slight downturn overall due to the COVID-19 pandemic, industry experts expect the OLED panel display technology trend to be adopted across the

world, with larger screen sizes, improved 8K resolution, and new form factors. Park Systems has scaled up its atomic force microscopy tools for Gen8+ and all large flat-panel displays.

Park Systems
<https://drive.google.com/file/d/19JxPLZYcS9M04INAe9fYXUIMkM2Eie4/view>

Raman, UV-visible-NIR, Photoluminescence, and Polarization Spectroscopy of Microscopic Samples



CRAIC Technologies, leading innovator of microspectroscopy solutions, announces the addition of Raman and Photoluminescence Microspectroscopy: the 20/30 Perfect Vision™ microspectrophotometer. The 20/30 PV™ now has the ability to acquire Raman and photoluminescence spectra with lasers from the blue to the near infrared range, in addition to UV-visible-NIR absorbance, reflectance, fluorescence, and emission microspectra. It can rapidly and easily acquire all of these spectra from the same area in sub-micron samples.

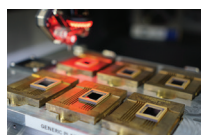
CRAIC Technologies
www.microspectra.com

Olympus Ultrasonic Equipment Donation Supports San Jacinto College Students

Olympus, a leading nondestructive testing (NDT) manufacturer, donated ultrasonic testing (UT) equipment to San Jacinto College's new LyondellBasell Center for Petrochemical, Energy, & Technology (CPET) to support workforce development. The donation enhances the college's ability to provide hands-on UT and phased array ultrasonic testing training in real-world labs designed for current industry needs. Students can sharpen their skills using NDT equipment like the OmniScan™ MX2 and EPOCH™ 650 flaw detectors, as well as 38DL PLUS™ thickness gauges.

Olympus
www.olympus-ims.com/en/news

CCD Image Sensor Technology Plays a Key Role in COVID-19 Diagnostics



Teledyne is supplying high-performance charged coupled devices (CCDs) for COVID-19 diagnostic scientific instruments. These highly sensitive image sensors are used for low-light imaging applications such as microscopy and other scientific imaging techniques deployed for research and diagnostic testing of COVID-19. In the past few weeks, the UK CCD Fabrication team has produced hundreds of CCD77-358 devices that will be incorporated into camera systems to support COVID-19 diagnostics.

Teledyne Imaging
www.teledyneimaging.com

NanoScientific Symposium, Oct 14–15, 2020

Park Systems will present a "NanoScientific Symposium on Nano Applications for a Changing World," sponsored by the Physics World and Nanotechnology World Association. Park Systems launched this online event for researchers and scientists in nanoscience and nanotechnology to share data on how new nano applications in research will lead to discoveries that have a tremendous positive impact on the world. Learn how exciting research into biomaterials, biosensors, flexible nanoelectronics, nanostructures and patterning, and more are poised to transform the healthcare, energy, electronics, textile, and agricultural industries to develop a sustainable economy and a cleaner planet.

Park Systems
www.parksystems.com

arivis, a Software Provider for Visualization, Analysis, and Management of Big Image Data, Announces the New VisionVR 3.2

The new arivis VisionVR 3.2 allows users to interact in a virtual environment and to work together on the same dataset. The new collaboration functionality includes:

- Real-time movement, scaling, and clipping of data volumes for all participants.
- Intranet or Internet are configurable.
- Users can view each other's position, direction, and hand movement.
- Collaborators can interactively highlight dataset features for each other.

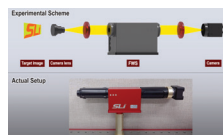
arivis
www.arivis.com/en/imaging-science/arivis-unveils-multiuser-vr-volumetric-imaging

Improved Quality Control for Steel Manufacturers

Olympus, a leading manufacturer of industrial microscopes, is improving the efficiency of nonmetallic inclusion analysis for steel manufacturers who use OLYMPUS Stream™ image analysis software. The newly released OLYMPUS Stream version 2.4.3 enables users to more precisely choose the areas of the sample they wish to analyze, helping speed up the inspection process of high-purity steel. New line measurement features also ease the process of capturing multiple line measurements on a sample for cleaner reporting.

Olympus
www.olympus-ims.com/en/news/improved-quality-control-for-steel-manufacturers

New Camera Add-on for Hyperspectral Imaging by Spectrolight



Spectrolight Inc.'s Flexible Wavelength Selector (FWS) provides a new approach to wavelength filtering technology that can be used for hyperspectral imaging applications as seen in the following

video link: https://www.youtube.com/watch?v=m5msi6rO_aU. The video shows the hyperspectral imaging of the Spectrolight logo as a target image in a setup consisting of a FWS mono tunable filter with a camera add-on accessory (see figure).

Spectrolight Inc.
www.spectrolightinc.com

USC-Olympus Partnership in Multiscale Bioimaging Furthers Precision Medicine

A global leader in endoscopy and life science solutions, Olympus has long been committed to promoting awareness of cancer screening, prevention, and testing. Olympus recently forged a partnership with the Lawrence J. Ellison Institute for Transformative Medicine at the University of Southern California (USC). Olympus has created a video (link below) highlighting the interactive relationship between image analysis tools and precision cancer medicine. One focus of the partnership is to encourage projects that engage translational oncology and precision anti-cancer drug screening.

Olympus
 Link to video: <https://www.youtube.com/watch?v=axcmGjfuapM&feature=youtu.be>