

IndustryNews

TESCAN and the University of New Hampshire (UNH) Announce the Addition of the LYRA GMU FIB-SEM Workstation

TESCAN has delivered a LYRA FIB-SEM workstation to UNH's University Instrumentation Center, a facility dedicated to the advancement of research. The LYRA is configured with an EDAX Pegasus EDS/EBSD system to provide chemical and structural analysis in three-dimensional views. This new instrument is supported in part by a Major Research Instrumentation (MRI) Grant from the National Science Foundation.

TESCAN USA is subsidiary of TESCAN ORSAY HOLDING
www.tescan-usa.com

Nanolab Technologies Accelerates Expansion by Acquiring Microtech Laboratories, LLC

Nanolab Technologies, Inc. has acquired Microtech Laboratories, LLC, a Dallas failure analysis laboratory. Microtech Laboratories provides state-of-the-art electrical and physical failure analysis to the semiconductor industry, as well as extensive reverse engineering work to the legal industry. Nanolab opened its analytical services laboratory in Silicon Valley in 2011, it opened a second lab operation at the Center for Nanoscale Science and Engineering in Albany in 2011, and it acquired FIB Lab, Inc. in 2013.

Nanolab Technologies and Microtech Laboratories, LLC
www.nanolab1.com and www.micro-labs.com

New Software for Malvern's NanoSight NTA Systems Improves User Experience and Enhances Performance

Malvern Instruments has launched NTA 3.0, a new version of the software that drives its NanoSight Nanoparticle Tracking Analysis (NTA) systems. With an improved, easy-to-use interface, the new NTA 3.0 software makes accessing programs and protocols quick and convenient. It also incorporates an upgraded high-resolution particle size distribution algorithm and supports advanced image analysis, particle detection, and tracking, as well as providing improved vibration correction.

Malvern Instruments Ltd
www.malvern.com

Carl Zeiss Microscopy Highlights ZEN Browser Image Database



Carl Zeiss Microscopy highlights the benefits of its new server-based image databasing software, ZEN browser. The ZEN browser technology aids users in storage, filing and organization, and backup of large digital data sets, making the use of these data sets reliable and easy. This technology, invaluable to users in fields such as pathology research, provides storage and organization, both in the lab and on the go, for large virtual slide databases.

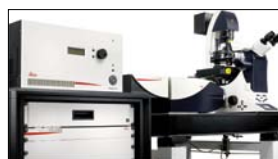
Carl Zeiss Microscopy, LLC
www.zeiss.com/micro

Bruker Awarded Fourth PeakForce Tapping Patent

Bruker announced it has recently been awarded its fourth patent for PeakForce Tapping®, its proprietary atomic force microscopy (AFM) mode that provides a useful combination of the highest resolution AFM imaging with the most quantitative property mapping data possible. The patent is issued for the PeakForce Tapping's specific method of achieving piconewton-level direct force control, which has enabled researchers of all AFM experience levels to perform AFM imaging with unprecedented precision.

Bruker Corporation
www.bruker.com

R&D 100 Award for Leica Microsystems' STED Microscope



Leica Microsystems' super-resolution system Leica TCS SP8 STED 3X is among the winners of the R&D 100 Award in 2014. This prize is awarded annually by *R&D Magazine*, a publication focusing on the latest research and developments globally, spanning industry, academia, and government-sponsored research. The award recognizes the latest generation of Leica Microsystems' super-resolution microscopes as one of the 100 most significant high-technology products introduced in the past year.

Leica Microsystems GmbH
www.leica-microsystems.com

EDAX Increases the Speed and Productivity of Electron Backscatter Diffraction Cameras

EDAX Inc. has announced another 40-percent increase in the performance of its Hikari Super EBSD camera, while maintaining its industry-best sensitivity and indexing quality. The Hikari EBSD Camera Series offers outstanding performance across the complete range of EBSD applications from high-speed analysis for process development and quality control to high-sensitivity indexing at low beam currents and low accelerating voltages for improved spatial resolution.

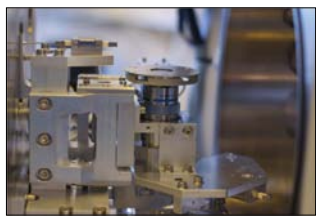
EDAX, Inc.
www.edax.com

Semrock Releases Its 20th Edition Master Catalog

To mark the twentieth catalog edition, this printing acknowledges over 10 years of dedicated service to Semrock fluorescence microscopy and laser optics customers. A wide variety of standard products are offered online, as well as in the printed catalog. Semrock has focused on the introduction of seven groundbreaking LED light engine filter sets. The new sets are optimized for compatibility with the most popular LED-based light engines available on the market.

Semrock, Inc.
www.semrock.com

DELMIC Reports on the SECOM Platform



DELMIC has developed an innovative product for life scientists—SECOM. The SECOM system is a platform that may be used to easily and quickly combine light and electron microscopy. In its primary configuration, the SECOM platform

allows the user to obtain functional color information through fluorescence microscopy and to obtain structural information by using the scanning electron microscope. DELMIC's "CL marker" technology makes overlay between the fluorescence and electron images fully automated and user-independent.

DELMIC BV
www.delmic.com

CRAIC Technologies Website: A Resource for UV-Visible-NIR and Raman Microspectroscopy



CRAIC Technologies is pleased to announce several updates to its website at www.microspectra.com. These include a substantial amount of detailed technical and scientific information on both microscopy and microspectroscopy in the Technical Support section. The multilingual website also provides many

new features such as customer forums and enhanced search capabilities.

CRAIC Technologies, Inc
www.microspectra.com

New Molecular Motion Tracking Mode for Nano-Cyte®

The Nano-Cyte® Single Molecule Imaging system now features a "tracking" mode capable of surveying a wide sample area. This new feature builds on the Nano-Cyte® fluorescence imaging system: nanometer-scale stabilization in 3D, image acquisition, device control, particle localization analysis, particle position rendering, and active positional control. Using this feature it is now possible to track particle motion at the nanometer level as they move through multiple FOVs for extended periods of time.

Mad City Labs, Inc.
www.madcitylabs.com

Raj Patey Joins the CoolLED Team

We welcome Raj Patey to CoolLED as Field Sales Manager. In addition to territory account management, he will have particular responsibility for identifying and developing sales channels as CoolLED continues to grow its business worldwide. Raj brings considerable experience in advanced microscopy illumination for our customers. Raj worked for many years supporting imaging microscopy. Prior to joining CoolLED, Raj moved into a sales role for fluorescence illumination systems and lasers for imaging microscopy.

CoolLED Ltd
www.coolled.com

Monitoring of Singlet Oxygen in Individual Cells Made Simple by NIRvana: 640, Princeton Instruments 2D Array InGaAs Camera



Princeton Instruments is pleased to recognize the innovative work of the Optical Spectroscopy Group headed by Jan Hála at Charles University (Prague, Czech Republic). These researchers developed a new experimental setup that enables direct microspectroscopic monitoring of singlet oxygen using NIRvana: 640, a 2D-array InGaAs camera specially designed for scientific research. They used two detection channels (VIS and NIR) to perform real-time imaging of the very weak near-infrared phosphorescence of singlet oxygen and photosensitizer simultaneously with visible fluorescence of the photosensitizer.

Princeton Instruments
www.princetoninstruments.com

NT-MDT Sponsors Special ACS Symposium on Nanocrystal Growth Mechanism and Characterization

NT-MDT sponsored The Chemistry of Inorganic Nanocrystals and Clusters: Structural Characterization and Mechanisms of Growth symposium at the American Chemical Society meeting. Inorganic clusters and nanocrystals bridge the gap between small molecules and solid state materials. At this length scale, molecular structure meets the size-dependent properties of the bulk. This symposium highlights recent breakthroughs in this process, especially mechanistic investigations and new methods of capturing the molecular-level details of structure.

NT-MDT
www.ntmdt.com

Edmund Optics® Announces New Roles for Key Management

Edmund Optics® announced three key promotions in their sales and business units. All three promotions will align leadership skills and industry experience to Edmund Optics' continued commitment to outstanding customer service. Greg Hollows is now director of the Imaging Business Unit; Anthony Artigliere is now director of Edmund Optics' new Optics Business Unit; and Todd Sierer is now director of Americas sales. These new appointments will help to meet the ever-evolving and complex needs of our customers.

Edmund Optics®, Inc.
www.edmundoptics.com

XPE205—2014 R&D 100 Award Winner

METTLER TOLEDO has been awarded the coveted "R&D 100 Award" for the XPE205 Analytical Laboratory Balance, which features a new StatusLight™. It allows users to see that all balance tests are up-to-date and that it's safe to start the weighing process when the StatusLight illuminates. The user has the security of knowing that all acquired weighing results meet predefined process requirements and the relevant regulations.

METTLER TOLEDO
www.mt.com/lab