

IndustryNews

AVS Connects

AVS is pleased to announce that we are about to launch the first year of the *AVS Connects* online buyer's guide in partnership with MultiView, Inc., the leading provider of digital media solutions for the association world. The supplier search will be easily accessible from a link on the AVS homepage and will enable users to conveniently perform targeted searches for industry-related products and services.

AVS Science and Technology
www.avs.org

Antique Microscopes Go on Display at SFO

The San Francisco International Airport (SFO) Museum is currently presenting *A World Examined: Microscopes from the Age of Enlightenment to the Twentieth Century*, an exhibition featuring a selection of antique microscopes from the Golub Collection at the University of California, Berkeley. The exhibit can be seen at the SFO Museum, San Francisco International Airport, International Terminal, Gallery A2–South 20 Cases, until June 2012.

San Francisco International Airport Museum
www.flysfo.com/web/page/about/news/pressrel/2011/sf1191.html

FEI Collaborates with NIH to Create a New "Living Lab" for Structural Biology Research

FEI has entered into a cooperative research and development agreement (CRADA) with the National Institutes of Health (NIH), creating a "Living Lab Structural Biology Center" to promote structural biology research through the integration of cryo-electron microscopy (EM), nuclear magnetic resonance (NMR) spectroscopy, and X-ray diffraction (XRD). This collaborator may accelerate important medical discoveries relating to global health challenges, such as HIV/AIDS and cancer.

FEI Company
www.fei.com

Vision Research Selected to Receive Academy Award® for Contributions to High-Speed Camera Technology

The Academy of Motion Picture Arts and Sciences® has selected four colleagues from Vision Research, a leading manufacturer of digital high-speed imaging systems, to receive Scientific and Engineering Academy Awards® for their contributions to the design and development of Phantom® high-speed digital cameras. Scientific and Engineering Awards are given for achievements that exhibit a high level of engineering and are important to the progress of the motion picture industry.

Vision Research
www.visionresearch.com

FEI Buys ASPEX Corporation

FEI announced that it has acquired ASPEX Corporation of Delmont, PA. ASPEX provides rugged scanning electron microscopes (SEMs) and related services for environmentally demanding military, industrial, and factory-floor applications. The purchase price for the acquisition was \$30.5 million. Revenue for ASPEX totaled \$10 million, and the company was profitable for the fiscal year ended June 30, 2011. Revenue has grown at a compound annual rate of 24% since 2006.

FEI Company
www.fei.com

Carl Zeiss Combines Light and Electron Microscopy Divisions

Citing a change in the microscope customer market over the past decade, Carl Zeiss launched Carl Zeiss Microscopy, LLC. Carl Zeiss MicroImaging and Nano Technology Systems were fused into one business group that reflects the customer base in research and industry who are increasingly using both light and electron systems. Combining the groups will better integrate software and workflow across these products.

Carl Zeiss Microscopy LLC
www.zeiss.de

Japanese Consul Visits JEOL USA



JEOL USA received a visit from the Consul General of Japan in Boston, Mr. Takeshi Hikihara, on Wednesday, November 9, 2011. JEOL USA was incorporated in the U.S. in 1962 and is a wholly-owned subsidiary of JEOL, Ltd, which is headquartered in Akishima, Japan. The guests were shown the company's award-winning scanning electron microscope (SEM) with control features similar to the Apple iPad, the newest mass spectrometer, and nuclear magnetic resonance (NMR) systems.

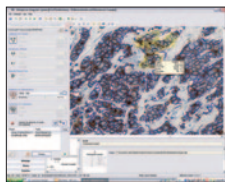
JEOL USA, Inc.
www.jeolusa.com

Olympus Offers Microscope Imaging Solutions Incorporating Technology from Andor

Olympus America Inc. and Andor Technology USA have joined forces to offer Andor cameras and spinning-disk laser confocal microscope systems built around Olympus microscopes. Olympus will be offering scientists high-performance, fast spinning-disk laser confocal solutions. The combination of Andor iXon EMCCD cameras, Revolution confocal systems, and other hardware with Olympus microscopes provides researchers with powerful imaging systems.

Olympus America, Inc and Andor Technology USA
www.olympusamerica.com

Olympus Offers TissuemorphDP™ Cell Analysis Software Module from Visiopharm



Scientists in the field of cancer research, clinical research, and pathology will benefit from a dedicated software module available from Olympus that facilitates key aspects of working with quantitative cell analysis. TissuemorphDP image-analysis software is specifically designed for detection and/or classification of cell nuclei, cytoplasm, or membrane. Thanks to the tool's easy-to-use preset protocols, many scientists will be able to perform complex analyses with the touch of just a few keys.

Olympus America, Inc.
www.olympusamerica.com/tissuemorph

JPK Launches QI™ Quantitative Imaging Mode for Challenging AFM Samples

QI is the new quantitative imaging mode from JPK. It makes AFM imaging easier than ever before. With QI, a force curve-based imaging mode, the user has full control over the tip-sample force at every pixel of the image. There is no need for setpoint or gain adjustment while scanning. QI mode is particularly useful in areas that demand high resolution and force sensitivity, such as biology, polymers, and surface science.

JPK Instruments
www.jpk.com

FEI Launches New Core-to-Pore Imaging Workflow for Shale Gas Reservoirs

FEI's Natural Resources Business Unit announced today a "core-to-pore" petrography workflow for core analysis of unconventional gas reservoirs in the oil and gas industry. The workflow includes a new automated, large-scale, high-resolution imaging method for viewing and analyzing petrographic data sets with length scales ranging from centimeters to nanometers. Access to information at both ends of the scale is critically important to drilling and production companies working in shale gas reservoirs.

FEI Company
www.fei.com

Nikon Metrology X-Ray Systems Support Micro Visualization for Industrial and Academic Research at Southampton University

A new groundbreaking research center designed to examine materials and structures across many length scales has been launched at the University of Southampton. The μ -VIS (micro-vis) X-ray Imaging Center examines the internal structure of objects in incredible detail. It produces high-resolution 3D images that support research in fields ranging from biomedical science to engineering, and archaeology to modern environmental science.

Nikon Metrology NV
www.nikon-instruments.jp/eng

Carl Zeiss Celebrates 10 Years of CrossBeam FIB-SEM Technology



In honor of the Zeiss FIB-SEM's tenth anniversary, a ceremony was held at the Center for Composite Materials at the University of Delaware, which has acquired an AURIGA 60 CrossBeam workstation. The system is the first major acquisition intended for the university's new Interdisciplinary Science and Engineering Laboratory. When completed, the ISE Lab will house their new AURIGA 60 CrossBeam FIB-SEM instrument and provide nearly 200,000 square feet of space for hands-on research and education.

Carl Zeiss Microscopy LLC
www.zeiss.com

FEI Acquires TILL Photonics

FEI announced that it has acquired TILL Photonics of Munich, Germany. TILL provides sophisticated, high-resolution, digital light microscopes and high-speed imaging systems for live cell fluorescence microscopy. The price for the acquisition was €14.5 million, plus an earn-out payable in two years, based on the attainment of specified milestones. TILL brings great products, a wealth of technology, and a skilled and experienced team to FEI, along with revenues of approximately \$8 million for the calendar year 2011.

FEI Company
www.fei.com

Innovative Solutions Bulgaria Buys MEMS Fab



Innovative Solutions Bulgaria Ltd. acquired Bulgaria's largest MEMS fab, which is located in the north of Sofia and was newly built and equipped in 2004. This new facility provides Innovative Solutions Bulgaria, manufacturer of the BudgetSensors® line of AFM probes and AFM calibration standards, with much-needed space for expansion of its production capacity. The acquisition of the new fab was formally completed at the end of 2011.

Innovative Solutions Bulgaria Ltd
www.budgetsensors.com

High-Tech Market Leader is Set to Boost Growth with a Local Presence in India

Leica Microsystems announced that it has acquired the microscopy and histopathology business of Labindia Instruments Pvt. Ltd., a leading solutions and service provider in India. This transition comes after more than 20 years, during which Labindia has successfully distributed Leica's products in India. Over 130 associates from Labindia have transferred to Leica Microsystems to sustain continuity for existing customers who will continue to benefit from Labindia's wide experience.

Leica Microsystems, Inc.
www.leica-microsystems.com