

IndustryNews

Carl Zeiss Microscopy Supports BBC Cloud Lab Scientists



The airship Skyship 600 made a month-long journey across the USA. A team of scientists made the trek as part of a BBC team to study the clouds and life activity in the air.

Microscopes from Carl Zeiss Microscopy, LLC were used to assist in the research. The team included an entomologist, meteorologist, and professional explorer who hoped to shed light on the creation of clouds and the relationship between diverse ecosystems and weather.

Carl Zeiss Microscopy, LLC
www.zeiss.com

Zeiss Receives ISO 9001 Quality Management System Certification

Carl Zeiss Microscopy received ISO 9001:2008 quality management system certification for product marketing, sales, service, and support for its high-precision optomechanical instruments. The ISO 9001 certification attests to ZEISS's commitment to implementing best business practices in the distribution, sales, and support of ZEISS products. ZEISS also achieved ISO 9001 certification for a complete range of corporate services, including finance, human resources, information technology, quality, legal, regulatory affairs, and trade compliance.

Carl Zeiss Microscopy, LLC
www.zeiss.com

Nanopositioning for Electron Microscopy Applications—New Brochure Released by PI

PI's new brochure covers a variety of novel actuators, stages, and scanning systems, mostly based on the piezo effect. These ceramic drives are vacuum-compatible and can also be manufactured in non-magnetic versions, which are important for electron microscopy environments. A large variety of drive systems; piezo flexure stages for fast scanning applications; piezo stick-slip motor drives for economical, compact, long-range motion; and ultrasonic-ceramic motors for high-speed motion are available.

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

Gatan Celebrates Its 50th Anniversary

For 50 years, Gatan, Inc. has designed and manufactured instruments and products for electron microscopes that enable and advance EM applications. Gatan is a recognized leader in the industry with products that set industry standards. Gatan is a quality provider of high-performance instrumentation for imaging and analysis in TEM and SEM applications.

Gatan, Inc.
www.gatan.com

NIST Publication on AFM-IR Has Implications for Catalysis Research

Researchers from the NIST in collaboration with researchers from University of Lyon, France, have applied a novel microscopy technique to characterize metal-organic framework (MOF) materials. Until now, the limited resolution of conventional techniques has impeded progress in understanding MixMOFs sufficiently to optimize them for desired applications. To overcome these limitations, the researchers used the nanoIR™ from Anasys Instruments to map the chemical composition of individual In-MIL-68 MixMOF micro-crystals.

Anasys Instruments Corp.
www.anasysinstruments.com

New JEOL-Nikon MiXcroscopy Correlative Imaging Solution

JEOL and Nikon have integrated light optical microscopy and field emission scanning electron microscopy that enables seamless observation of the same region of interest on a sample. The technique, MiXcroscopy, employs the same specimen holder for both the light optical microscope and the scanning electron microscope. The specimen stage registration is fully controlled by dedicated software that allows the LOM and SEM to share, recall, and observe exact locations of specific areas on the specimens.

JEOL USA and Nikon Corporation
www.jeolusa.com/APPLICATIONS/CorrelativeMicroscopy

Kurt J. Lesker Company® Celebrates Its 60th Anniversary

The Kurt J. Lesker Company (KJLC) announces the celebration of 60 years in business. Its founder, Kurt J. Lesker II, started KJLC on April 1, 1954, in the basement of his home in Pittsburgh, PA. Since then, KJLC has grown from a regional manufacturer and distributor of vacuum components into a worldwide provider of a full range of vacuum parts, products, systems, design technologies, innovative thinking, and responsive customer service.

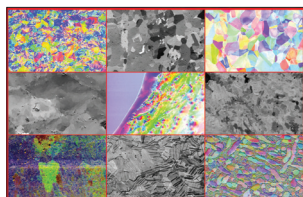
Kurt J. Lesker Company
www.lesker.com

Andor Management Change

Andor Technology announced the appointment of Gary Wilmot as managing director. Gary replaces Conor Walsh, who stepped down from the role on May 1, 2014. Conor Walsh joined the company in 2002 as finance director and company secretary. He was appointed CEO in May 2007, and under his leadership revenue grew by 157% and profitability by 407%, resulting in an increase in the market value of Andor from £25m to £176m.

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

EDAX Achieves Next Level in Microstructural Imaging with PRIAS for SEMs



EDAX, Inc. has developed a new imaging tool that allows scanning electron microscopes to obtain crystallographic, compositional, and topographical contrast images with unprecedented flexibility in signal collection and processing. Pattern Region of Interest Analysis System (PRIAS) is an imaging tool that synergistically uses an EDAX Hikari XP or DigiView camera to visualize and characterize the microstructure of materials. PRIAS represents a significant step in microstructural characterization for EDAX customers.

EDAX, a unit of AMETEK, Inc.
www.edax.com

ShapeGrabber Joins the Quality Vision International Family

Quality Vision International announced that it has acquired ShapeGrabber Incorporated, a manufacturer of automated 3D scanners for industrial applications. As a wholly owned subsidiary of QVI, ShapeGrabber will gain access to new markets and customers for its 3D laser scanners. QVI adds another technology to its portfolio of dimensional inspection systems for manufacturing quality control. ShapeGrabber is a leading provider of 3D laser scanners that are particularly valuable for measuring and inspecting complex-shaped parts.

Quality Vision International
www.qvii.com

Hitachi High Technologies America's Nanotechnology Systems Division Appoints Director of Product Management

The Nanotechnology Systems Division (NSD) of Hitachi High Technologies America, Inc. (HTA) is pleased to announce the appointment of Dr. Edgar Voelkl to the role of director of product management. Dr. Voelkl will oversee all aspects of product marketing and management in the U.S. for HTA's TEM and STEM product offerings. Dr. Voelkl joins HTA following successful careers in academia, research, and industry.

Hitachi High Technologies America, Inc.
www.hitachi-hta.com

New Screening Platform Advances High-Content Analysis for Cancer Applications

The Thermo Scientific HCS Studio 2.0 is a software platform for a range of cancer research applications. The new software coupled with Thermo Scientific high-content analysis platforms, are increasingly being used in cancer biology. They are well suited for large-scale, high-throughput biology, including complex morphological analyses of cells, cell structure, and aggregations of cells in colonies, yet simple enough to be applied to everyday assays such as viability and proliferation.

Thermo Fisher Scientific Inc.
www.thermoscientific.com/highcontent

Bard College Awarded \$500,000 Grant from the Sherman Fairchild Foundation for New Microscopy Suite

Bard College has been awarded a three-year \$500,000 grant from the Sherman Fairchild Foundation to assemble a microscopy suite consisting of four lasers, two light optical microscopes, and two scanning probe microscopes to enhance undergraduate science programs. The new science equipment builds upon Bard's recent capital investment in a scanning electron microscope and will reside in the Gabrielle H. Reem and Herbert J. Kayden Center for Science and Computation.

Bard College
www.bard.edu

Media Cybernetics® Releases the All-New Image-Pro® Premier 3D Image Analysis Software

Media Cybernetics announced that its Image-Pro Premier 3D 9.1 software application is now available for pre-orders. This powerful software delivers stunning multi-dimensional visualization, rendering, counting, measuring, and reporting from within the trusted Image-Pro Premier platform. A number of intuitive new tools for interactive 3D and 4D analysis are affordably offered, along with a full complement of Image-Pro's popular 2D processing and analysis capabilities.

Media Cybernetics
www.mediacy.com

FEI Founder Lynwood Swanson Receives the Pittcon Heritage Award

The Chemical Heritage Foundation presented the 2014 Pittcon Heritage Award to Dr. Lynwood Swanson, co-founder and former chairman, CEO, and chief scientist of FEI Company. Swanson received the award in recognition of his establishment and leadership of one of the world's largest instrument companies, as well as his landmark development of liquid metal ion sources. Swanson stepped down as CEO of FEI in 1998, and in 2002 he relinquished the position of chairman.

FEI Company
www.fei.com

PHOTONIS Digital Imaging Appoints Brian Leedy as VP/GM

PHOTONIS announces the appointment of Mr. Brian Leedy as vice president and general manager of the Digital Imaging business unit, located in Frisco, TX. Mr. Leedy will be responsible for managing the business unit and expanding its Digital Imaging market segments globally. Mr. Leedy brings more than 27 years of experience of business and engineering expertise to PHOTONIS, with experience in the aerospace, defense, and commercial industries, across US and international operations.

PHOTONIS USA
www.photonis.com