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News from Sustaining Members

Space Imaging

Space Imaging's Satellite Images Help Real Estate Developers Identify, Evaluate and Select Properties

Space Imaging announced today the availability of one-metre resolution colour satellite imagery for the real estate industry. This high-quality satellite-based information has never before been available to the commercial marketplace and will revolutionise the way the real estate community does business and makes decisions.

"IKONOS colour imagery of the Earth gives our real estate customers access to a brand-new visual information source



for conducting business," said Brian Soliday, vice president of Space Imaging North American sales and marketing. "This imagery provides significantly more detail and information about the land and the communities which the real estate industry is working to develop and manage. Compared to traditional line maps, this imagery provides up-to-date, content-rich information about our ever-changing landscape."

The highly detailed digital images show features such as trees, lawns, houses, schools, roads, rivers and parks. Images can be overlain with geographic data such as street names, zip codes, zoning data, park names and other information to help developers determine which areas are suit-

able for development, evaluate existing infrastructure and determine property values. Real estate customers can use the digital images for:

- Prospecting and planning new properties or development opportunities
- Showing potential homebuyers the location of new properties for sale
- Showing areas suitable for development to companies interested in expansion or relocation
- Monitoring new construction such as office parks
- Evaluating commercial zoning projects
- Monitoring and measuring urban sprawl

www.imagingnotes.com

(Source: *Space Imaging*)

LH Systems

Ohio State Student Honoured with LH Systems ASPRS Award

The LH Systems Internship, one of the premier annual awards made by the American Society for Photogrammetry and Remote Sensing (ASPRS), Bethesda, Maryland, USA, was presented to Mr. Panayiotis Zafiroopoulos, a Ph.D. candidate at the Center for Mapping, The Ohio State University, during the ASPRS 2000 Annual Convention in Washington, DC. The award enables Mr. Zafiroopoulos to work for two months at LH Systems' San Diego headquarters, exploring the applicability of his work in automated feature extraction

and other areas to LH Systems' market-leading SOCET SET® software for digital photogrammetry.

As he presented the award to Mr. Zafiroopoulos, George Southard, LH Systems' Regional Sales Director for the Americas, commented, "Mr. Zafiroopoulos is an excellent candidate, who has already built up a solid record of research and publication in digital photogrammetry. It gives me great pleasure to present this award, which not only extends the winner's experience but also exposes LH Systems' software engineers to his expertise and ideas. This activity underlines our continuing commitment to the professional aspects of our work and our wish to seek synergies with the universities and research institutes in the future."

www.lh-systems.com

(Source: *LH Systems, LLC*)

EarthWatch

EarthWatch Provides Flexibility in Direct Receipt of One-metre Imagery

EarthWatch Incorporated has announced the signing of sales and marketing agreements with five leading ground station providers. The purpose of signing the agreements is to provide customers flexibility by enabling key ground station providers to offer QuickBird upgrades as part of their ground station solutions. QuickBird 1, a one-metre resolution imaging satellite, will be EarthWatch's first in a series of high resolution satellites that will be launched later this year and early next year.

As part of EarthWatch's open approach to the marketplace, these agreements will allow Datron Systems Incorporated of

California, MacDonald Dettwiler and Associates Ltd. of Richmond, BC, Matra Systems and Information of France, Veridian-ERIM International of Ann Arbor, Michigan, and Vexcel Corporation of Colorado to offer low-cost QuickBird ingest capability to ground stations worldwide. These companies represent a majority of the current market for the reception and processing of commercial remote sensing data. As part of these efforts, EarthWatch has provided these companies with the components necessary to modify their solutions to accommodate the QuickBird sensor. This will allow customers to cost effectively add a high resolution capability to their multi-satellite solution, which is of great interest worldwide. EarthWatch will work together with these companies to offer complete end-to-end solutions that meet customers needs.

www.digitalglobe.com

(Source: *EarthWatch Incorporated*)

LH Systems

LH Systems New ADS40 Airborne Digital Sensor Sets the Pace in Amsterdam

Towering high above the exhibition, LH Systems' giant inflatable model of the ADS40 Airborne Digital Sensor drew the crowds at the XIXth ISPRS Congress in Amsterdam. Developed jointly with Deutsches Zentrum für Luft- und Raumfahrt (German Aerospace Centre – DLR), the ADS40 is based on the three-line-scanner principle and collects imagery with three panchromatic views and four multispectral channels. The LH Systems exhibit featured not only the attractive newcomer in its stylish grey and red livery, but also a unit without the housing, enabling visitors to study the lens, focal plane, IMU and electronics. This first product of the technology partnership between LH Systems and DLR combines the resolu-

tion and accuracy required to meet photogrammetric needs with the image information content suited to remote sensing applications.

LH Systems took the opportunity of the ISPRS Congress to introduce another new product. TopoMouse is a free-hand controller for digital photogrammetric workstations, designed to offer customers an economical, ergonomic and robust solution to enhance productivity in the day-to-day work of feature collection and editing. TopoMouse has four rocker switches and eight buttons, all programmable, so customers can use the software to allocate tasks to each control according to their preferred modes of working. The Z-wheel is large and pleasing to use with either forefinger or thumb. TopoMouse operates with LH Systems' SOCET SET® and PRO600 products, on both Unix® and Windows NT® platforms.

www.lh-systems.com

(Source: LH Systems, LLC)

EarthWatch

EarthWatch Readies for Operations by Expanding Marketing Effort

EarthWatch Welcomes Ed Katzman as New Vice President of Marketing, Greg Knoblauch Joins as Director of Agriculture Markets

EarthWatch Incorporated, the developer of Digital Globe, a digital database of the earth and its features for use in a wide variety of both traditional and cutting edge applications, has announced the addition of Edwin J. Katzman as the new Vice-President of Marketing and Greg Knoblauch as Director of Agriculture Markets.

Mr. Katzman brings over 25 years of marketing experience

in a number of diverse markets. Most recently he served as the president and co-founder of The Discovery Group, a strategic marketing consulting firm. At The Discovery Group he led the development of marketing and technology solutions for both leading international marketing companies and emerging entrepreneurial firms.

Mr. Knoblauch has over twenty years working with Agribusiness in a variety of roles. Most recently, he launched the concept of using remote sensing data in precision agriculture at RESOURCE21. Greg built the agriculture business unit including the development of worldwide distribution relationships, a customer service group, and global marketing efforts for the AgSense Information Product line.

www.digitalglobe.com

(Source: EarthWatch Incorporated)

UCL

MBE for K. Atkinson

Keith Atkinson has been appointed a Member of the Order of the British Empire (MBE) for services to photogrammetric science. A Northumbrian by birth, he was educated at Dame Allan's School, Newcastle upon Tyne, King's College London (where he read geography) and University College London (UCL) where he specialised in photogrammetry.

The award is recognition of 36 years of university teaching, much of it concerned with postgraduate education in photogrammetry for which UCL is famous. Atkinson has made an important contribution to the activities of the Photogrammetric Society and he is known internationally for his work as editor of the Photogrammetric Record, the Society's journal. He served on Council of the International Society for Photogrammetry and Remote Sensing from 1988 to 1992 and was chairman of ISPRS Financial Commission from 1992 to 1996. His books on close range photogrammetry are known to students around the world.

Z/I Imaging

Digital Modular Camera (DMC)

During the 2000 ISPRS Congress in Amsterdam, Z/I Imaging unveiled its new digital camera for the mapping and reconnaissance industries. Airborne camera systems are complex system solutions. Therefore, Z/I Imaging's digital camera is more than simply the exchange of film against silicon. Aspects like data transfer rates, data processing, image archiving, colour fusion, calibration, and pre-processing were addressed to integrate this new sensor into the entire photogrammetric workflow.



Z/I Imaging's DMC is unique in that it uses a modular design to achieve a high geometrical resolution and to enable customisation for optimal system performance. The DMC comprises a variable number of synchronously operating array cameras that can be built in different configurations depending on the application. It uses this multi-camera

approach to combine high panchromatic resolution with multi-spectral capabilities.

When selecting a digital camera system, the camera onboard the plane should be evaluated as well as the entire process - including the final product and data archiving. The flight system includes the actual digital camera for recording image data and the usual equipment such as navigation systems, flight management system, GPS-INS, and a stabilised platform. The centerpiece of the system is the camera head and the CCD sensor as the core element. Z/I Imaging developing the DMC on the basis of CCD matrix sensors.

These sensors offer the following benefits:

- Defined, rigid geometry of the recorded image
- Forward Motion Compensation (FMC) to reduce image blur
- Quadratic pixel footprints
- Usual, central perspective image recording geometry
- Interface to existing softcopy systems software

Recognising that today's digital camera systems cannot replace existing film-based camera systems, Z/I Imaging designed DMC so that it fits into the existing standard gyro-stabilised camera mount T-AS. This integration ensures that the DMC can be used complementary with the RMK-TOP to exploit the best of both technologies.

www.ziimaging.com

(Source: Z/I Imaging Corporation)

Rollei

Industrial 3D and topographical surveying



The Rollei reflex 6008 metric is a surveying camera designed to meet the changing needs of the busy professional. It comes with a wide range of back components and inter-changeable back walls, and can take a bulk film magazine or digital back.

With the Rollei d7 metric Rollei presents a solution in the mega pixel range.

RolleiMetric can deliver software solutions running under Windows for most photogrammetry assignments in research, development and manufacturing.



If you want to find out more, call us or visit our web site.

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