# **ISPRS** 2004

## **EXHIBITION**

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#### **ISPRS DAILY**





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The First Plenary and Poster Sessions of the Congress

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#### China (Beijing) wins 2008 Congress Bid Opening of the Exhibition **New Council Elected**

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New Resolutions for 2004-2008 Approved

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#### Plenary Session II: 20 July 2004

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#### Plenary Session III 22 July 2004

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XX<sup>th</sup> Congress

**ISPRS** daily

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Thursday 22 July 2004

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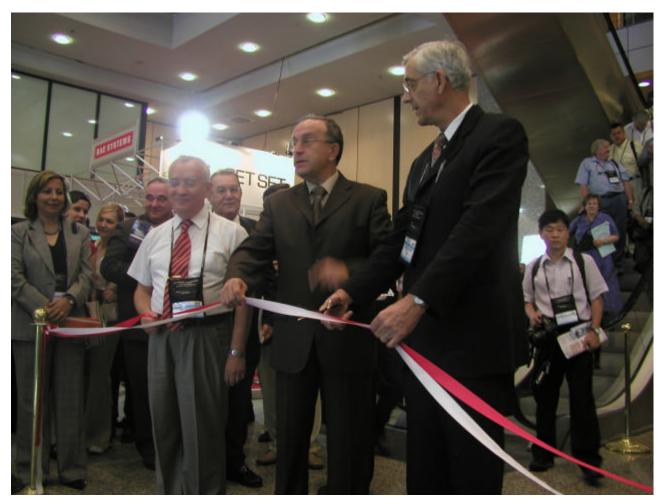
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#### **EXHIBITOR'S SHOWCASE SESSIONS (ES)**

Exhibitor's Showcase Sessions were made available for presentation by commercial firms engaged in photogrammetry, remote sensing, machine vision, computer vision, close-range applications, spatial/geographical information systems or related technologies. Exhibitor's Showcase papers were presented in a special meeting room. Time was made available only for companies taking part in the Exhibition. The topics of the Exhibitor's showcase Sessions were published in the final program.

	19 July 04 MONDAY	20 July 04 <b>TUESDAY</b>	21 July 04 WEDNESDAY	22 July 04 THURSDAY
09.00-09.45	-	Z/I	Catcon-Fullday M	eeting Definiens Imaging
09.45-10.00	Break	Break	_	Break
10.00-10.45	-	Z/I		-
10.45-11.00	Break	Break		Break
11.00-11.45	Bae Systems	Digital Globe		Space Imaging
11.45-13.00	Lunch Break	Lunch Break		Lunch Break
13.00-13.45	Dimac System	Applanix		PCI Geomatics
13.45-14.00	Break	Break		Break
14.00-14.45	Istar	Compagnia Generale Rij	<b>).</b>	<b>Pixoneer Geomatics</b>
14.45-15.00	Break	Break		Break
15.00-15.45	Data Grid	DVP-GS		Nik-Ersdac
15.45-16.00	Break	Break		Break
16.00-16.45	Geokosmos	East View Cartographic	<b>V</b>	Nik-Er maper



Prof. John Trinder, Prof. Orhan Altan and General Fuat Sarac opening the commercial Exhibition

#### **EXHIBITORS**



Agfa Gevaert (Stand Number: B01) Septestraat 27, B-2640 Mortsel - Belgium Tel: +32-3-444-4272 Fax: +32-3-444 4296 E-mail: michel.schots@agfa.com Website: http://aerial.agfa.com

Agfa shows its brand new high-speed clear base color negative film: Aviphot Color X-400 optimized for quality scanning of aerial images. High speed allows for aerial imagery in poor light conditions. The AperTune software enhances digital images in an operator unattended mode and is suitable for easy generation of orthophotos.

#### **Applanix Corporation** (Stand Number B11)

85 Leek Crescent, Richmond Hill, ON Canada L4B 3B3

Tel: 1-905-709-4600 Fax: 1-905-709-6027 E-mail: info@applanix.com

Website: www.applanix.com

Applanix, a wholly owned subsidiary of Trimble, develops, manufactures, sells and supports precision products that accurately and robustly measure the position and orientation of vehicles, persons and sensors in dynamic environments. Applanix strives to support customers around the world with exceptional service - anywhere, at anytime.

#### **ASPRS: The Imaging and Geospatial Information Society** (*Stand Number: D11*)

5410 Grosvenor Lane, Suite 210 Bethesda, Maryland 20814 U.S.A. Tel: 301-493-0290 Fax: 301-493-0208 E-mail: asprs@asprs.org Website: www.asprs.org Visit us and view publications on Photogrammetry, Remote Sensing, Spatial Data, and GIS Technologies. We have the latest copies of the ASPRS Photogrammetry Manual, 5<sup>th</sup> edition and the Manual of Remote Sensing, volume 4. Take advantage of show

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an ASPRS member.

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#### **BAE Systems – Europe,**

Middle East, and Africa (EMEA) Sheraton House, Castle Park, Cambridge CB3 0AX United Kingdom Tel: +44 1223 370023 Fax: +44 1223 370040 E-mail: socetgxp.emea.sales@baesystems.com **BAE Systems – Asia Pacific,** 

78 Northbourne Avenue, Braddon ACT 2612, Australia Tel: +61 (2) 6273 0111 Fax: +61 (2) 6273 0368 E-mail: socetgxp.asia.sales@baesystems.com

BAE Systems' supplies SOCET SET\_ and VITec\_ commercial software for photogrammetry, mapping, Geographic Information Systems (GIS), imagery exploitation, visualization and simulation, natural resource management, and vertical obstruction identification. BAE Systems is an international company headquartered in the United Kingdom with major operations across five continents and customers in 130 countries.

## **Beijing Geo-Vision Tech. Co., Ltd.** (Stand number: G08, G09, G10)

Chinese Academy of Surveying & Mapping No 16th, Beitaiping Rd, Haidian, Beijing, China Zip Code: 100039 Tel: +86 10 88270301 or +86 10 68221079 Fax: +86 10 68181834 or +86 10 68132979 E-mail: yzchen38@hotmail.com Website: http://www.jx4.com

Being the largest manufacturer of serious digital photogrammetric equipment in China, Beijing Geo-Vision Tech Co., Ltd(used called China Siwei Surveying & Mapping Technology Beijing Company)'s main products are JX-4C Digital Photogrammetric Workstation; Imatizer-2304 Image Scanner and True 3-D Virtual Reality System; of which nearly 1,000 sets have been sold in China; and exported to Japan, Pakistan, Thailand; Australia etc. also.



**BKG** (*Stand Number: C13*) Richard-Strauss-Allee 11 60598 Frankfurt am Main Germany Tel: +49-69-6333-1 Fax:+49-69-6333-235 E-mail: mailbox@bkg.bund.de Website: www.bkg.bund.de

BKG (Bundesamt f. Kartographie und Geodaesie, Federal Office for Cartography and Geodesy) is a federal authority assigned to the Federal Minister of the Interior. Its tasks consist in providing basic geodata on the territory of the Federal Republic of Germany, in advising the Federal Government in the fields of geodesy and geoinformation as well as in safeguarding the special relevant interests of the Federal Government at an international level.



**Chinese Academy of Surveying and Mapping, Institute of Photogrammetry and Remote Sensing** (*Stand Number: G06*)

No: 16 Beitaiping Road, Haidian District, Beijing 100039, P. R. China

Tel: 86 10 88217730 Fax: 88 10 68211420 Website: www.casm.ac.cn

CASM ImageInfo TMV2.0 is developed by Chinese Academy of Surveying and Mapping. This software integrates RS, GIS, and GPS processing techniques at one user interface and provides many geographic, geological, topographic and thematic functions for a wide variety of dataset. Especially, it incorporates powerful and efficient analysis functions for multispectral, hyperspectral and Radar images. This software can be widely used for agriculture, survey, geology, urban planning, disaster monitoring and resource monitoring etc.

DataGrid GPS/Datacollectors (Stand Number: A15)

1022 NW 2nd Street Gainesville Florida USA 92601 Tel: 352 371 7608

Fax: 352 371 3128

E-mail: info@datgrid-international.com

Website: www.datagrid-international.com

DataGrid makes a series of innovative GPS-systems focusing on flexibility and practicality in an easy to use package that offers accuracy, ruggedness, overall efficiency and low cost. We offer a complete range of GPS capabilities ranging from L1 systems using code phase and carrier phase, WAAS/EGNOS and integrated RTCM DGPS corrections from Coast Guard type beacon transmissions for highly affordable meter range precision in real time and centimeter range in postprocessing to L1/L2 systems reaching state of the art millimeter range Real Time Kinematic accuracy. Our flexible systems interface to a broad range of third party instruments for control or GIS data logging

#### **Definiens Imaging** (*Stand Number: C08*) Trappentreustrasse 1, 80339 München, Germany

Tel: +49 89 2311800 Fax: +49 89 23118080 E-mail: ecognition@definiens-imaging.com Website: www.definiens-imaging.com Definiens Imaging provides innovative software and solutions to the image processing and GIS markets. Based on the idea of its founder Gerd Binnig, Noblelaureate for physics, Definiens Imaging has developed the world's only software for advanced contextual image classification "eCognition". Our award-winning software is currently in use at universities, organizations and companies in over 100 countries worldwide.

#### Jeodijital Co-Exhibitor of Definiens Imaging

**Dephos** (*Stand Number: D14*)

DIGI 21 (Stand Number: D03)



#### **Digital Globe** (*Stand Number: B10*) 1900 Pike Road / Longmont, CO 80501 USA

Tel: 303-682-3800 / 1-800-655-7929 Fax: 303-682-3848 E-mail: info@digitalgbbe.com Website: www.digitalglobe.com General Information: Digital Globe is an Earth imagery and information company in Longmont, Colorado. The company offers the world's highest resolution

commercial satellite imagery, and houses up-to-date images in its Image Library. For product inquiries, visit digitalglobe.com or contact Customer Service by Email at info@digitalglobe.com, or by telephone at 1-800-496-1225 or +1 (303) 702-5561.

#### **MAPS** Geosystems

#### **Co- Exhibitor of Digital Globe**

Truderinger Str 13 81677 Munich, Germany Tel: +49 89 2444094-0 Fax: +49 89 2444094444 E-mail: info@maps-geosystems.com Website: www.maps-geosystems.com

MAPS geosystems acquires, processes and integrates geographic and spatial data. For over 30 years, its multinational staff of 200 engineers and technicians have executed relevant mapping projects in 55 countries, adding to the company's reputation for excellence. Headquartered in Munich, Germany, MAPS has production facilities and subsidiaries throughout the EMEA region.

#### EUROIMAGE

**Co-Exhibitor of Digital Globe** Via E. D'Onofrio, 212 Rome 00155 Italy Tel: 39 06 4069 4222 Fax: 39 06 4069 4232 E-mail: info @eurimage.com Website: www.eurimage.com Eurimage is dedicated to providing a wide range of

Eurimage is dedicated to providing a wide range of users with world-wide digital and photographic imagery, through a network of more than 120 expert resellers and application providers all over the world. Eurimage products include optical, thermal, radar, and infra-red data, with a variety of characteristics, resolutions, and overpass frequencies, meeting a wide range of needs.

#### Hitachi Satellite Imagery Division Co-Exhibitor of Digital Globe

(Stand Number: 4-12-7) Higashishinagawa, Shinagawa-ku Tokyo, 140-0002 Japan Tel: 3-5780-2162 Fax: 3-5780-2167 E-mail: info@hgiis.com Website: www.hgiis.com Hitachi Software is one of the leading software companies in Japan, providing total solutions that

companies in Japan, providing total solutions that combine QuickBird Imagery with its software technology. Solutions include: HouseDiff, DEMStudio, and Any GIS. Hitachi Software keeps developing new and useful software to create value added data.

#### **DIMAC SYSTEMS** (Stand Number: A08)

95 Grand Rue L-3313 Bergem LUXEMBURG Tel: +352 2651 2166 Fax: +352 2651 2165 E-mail: info@dimacsystems.com Website: www.dimacsystems.com Based on our 20 years experience in aerial cartography,

we, at DIMAC SYSTEMS have identified the essential requirements of digital aerial cameras to meet all the needs of every company in the aerial image field. Therefore, we have designed our large format digital camera to be affordable accurate, upgradeable and easy to operate.

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E-mail: Info@ cgrit.it

Website: www.terraitaly.it

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Multispectrometer, CGR are operative in Europe and Africa.

#### **DAT/EM Systems International**

(Stand Number: C05, C06)

8240 Sandlewood Place, Suite 101 City, State, Zip: Anchorage,

Alaska 99507

Tel: 907-522-3681 Fax: 907-522-3688

E-mail: sales@datem.com

Website: http://www.datem.com/

DAT/EM Systems International is an innovative leader in the development of software for digital mapping and photogrammetric applications, serving over 350 firms and agencies in more than 50 countries worldwide. DAT/EM's Summit Evolution<sup>™</sup> softcopy system is the peak of digital stereo plotter technology, constantly evolving with our clients' needs

#### **DVP-GS** (Stand Number: C01)

49, du Bel-Air, suite 203 Lévis, Québec G6V 6K9 Canada

Tel: 1 (418) 838-8880 Fax: 1 (418) 838-4402

E-mail: info@dvp-gs.com

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DVP-GS is dedicated to providing mapping and GIS professionals with powerful digital photogrammetric software. We offer as well an efficient and reactive technical support service. If you are looking for high accuracy, user friendliness, productivity and compatibility, think DVP-GS. We will be presenting our brand new version during the ISPRS Show. Come and visit us at booth C01!

**East View Cartographic** (*Stand Number: C04*) 3020 Harbor Lane North Minneapolis, MN 55447-5137

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Tel: 1 (763) 550-0965 Fax: 1 (763) 559-2931

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EAST VIEW CARTOGRAPHIC is an international supplier of topographic maps, geospatial datasets, and satellite imagery. We have in-house over 200,000 topographic maps, nautical charts, geological maps, and related materials. EVC produces large-scale customized digital geospatial datasets, proprietary topographic EVMaps, digital elevation models, and has off the-shelf geospatial datasets for numerous countries. We provide full service bureau offerings and are an authorized reseller for Space Imaging's satellite imagery.

Eastman Kodak Company (Stand Number: A04)

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Website: www.kodak.com/go/aerial

Eastman Kodak Company's Aerial team is committed to providing the world's latest technologies for applications including: topographical and structural surveys, mapping, agriculture, environmental protection, photogrammetry, and reconnaissance. Kodak supplies the largest portfolio of aerial films and chemicals backed by high quality service and support.

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Molenwerf 1, 1014 AG Amsterdam, The Netherlands Tel: +31 20 485 3911 Fax: +31 20 485 3203 E-mail: nlinfo-f@elsevier.com Website: http://earth.elsevier.com We look forward to meeting you at the XXth ISPRS Congress and to discuss ideas or questions you may have re publishing with us. You can browse a selection

of our journals, such as: 'ISPRS Journal of Photogrammetry and Remote Sensing', 'International Journal of Applied Earth Observation and Geoinformation' and 'Remote Sensing of Environment'.



ERDEMEMIMapping,InformationCONSTRUCTIONANDTRANSPORTINDUSTRY Co. (Stand Number: A05)

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ISRAEL

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ELTA - Israel's national Radar house and development center for advanced integrated Image Intelligence (IMINT) systems. ELTA's IMINT Exploitation systems capabilities consist of advanced automated processing, archiving and dissemination of multi-sensory (EO, IR, RADAR) real-time imagery input. ELTA's TECSAR is an advanced high resolution X-Band lightweight radar satellite.

#### ESRI (Stand Number: B08)

380 New York St., Redlands, CA 92373 Tel: 1-909-793-2853 Fax: 1-909-307-3072 E-mail: info@esri.com Website: www.esri.com

With annual sales of more than \$490 million, ESRI remains the world leader in the geographic information system (GIS) software industry. Our business involves the development and support of GIS software for all types of organizations from the one-person office to multinational corporations to innovative Internet GIS solutions.

#### **ISLEM GIS**

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ISLEM GIS is privately owned engineering consulting company as a part of ISLEM Group. ISLEM GIS

provides nationwide socio-economical and physical resource management services. The company is representing ESRI and LEICA Geosystems, the world leaders in GIS and Remote Sensing, respectively. The solutions and projects based on ESRI technology in Turkey will be displayed.

## **EuroSDR (European Spatial Data Research)** (Stand Number: C11)

EuroSDR Secretariat Faculty of the Built Environment The Dublin Institute of Technology Bolton Street, Dublin 1 Ireland Tel: +353-1-4023734 Fax: +353-1-4023999 E-mail: helen.murray@dit.ie Web : http://www.eurosdr.org

The EuroSDR rolling research plan addresses the research needs of core spatial data provision, management and delivery. It is realized through timely applied international collaborative research projects, focused workshops and specialist taskforces. Research results are reported widely through EuroSDR's 'Official Publications' series and further disseminated through EuroSDR's distance e-Learning courses.

## Eurogeographics

#### **Co-Exhibitor of EuroSDR**

6 – 8 Avenue Blaise Pascal Champs-sur-Marne 77455 Marnela-

Vallée cedex 2 France

Tel: +33 1 64 15 32 78 Fax: +33 1 64 15 32 19

E-mail: contact@eurogeographics.org

Website: www.eurogeographics.org

EuroGeographics represents the National Mapping and Cadastral Agencies (NMCAs) of Europe Products:

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- EuroGlobalMap European topographic dataset, scale 1:1,000,000;
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GENERAL DIRECTORATE OF LAND REGISTRY AND CADASTRE (TURKEY) (Stand Number: D07)

Tapu ve Kadastro Genel Müdürlügü - Dikmen Caddesi No:14

06100 ANKARA-TÜRKIYE Tel: +90 312 413 61 20 Fax: +90 312 413 61 25 E-mail: nsahin@tkgm.gov.tr Website: www.tkgm.gov.tr

The Organization under administration of Director General with its central organization is under the supervision of the Ministry of Public Works. The major duties of the organization are, as provided in laws, to perform contracts and all kinds of registration transactions concerning real estates, to determine basic principles for arranging land registry books, to determine legal and technical status of real estates by cadastral surveys and keep them up-to-date. Geoiconics LLC (Stand number: C09) P.O. Box 11412, Torrance, CA 90510, USA Tel and Fax number : 1 (323) 927 1676 E-mail: info@geoiconics.com Website: www.geoiconics.com Geoiconics brings advanced eye-tracking technologies to geospatial image processing and GIS. i-Grammetry product family integrates the human stereoscopic capabilities and eye-movement analysis for npid 3D model reconstruction pairing images from different sensors or haze-clouded stereopairs, for automated scene interpretation, information retrieval and management in intelligent GIS and Geographic Expert

#### **GEOKOSMOS COMPANY** (Stand Number: B07)

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Geokosmos company, operated topographical and surveying company, is reputed to be a significant player in the Russian market, making use of airborne and land laser scanners, digital cameras, GPS receivers as well as 3D digital multipurpose modeling. The company has created the complete technology of its own for "real time mapping" based on laser scanning with ALTM. One of the core lines of the company activity is power lines inspection with ALTM laser scanning technology.

#### **GEOSYSTEM** (Stand Number: C22)

600-letia 25, Vinnitsa, Ukraine, 21027

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GITC is an international publishing company in the international surveying and mapping fields of geomatics and hydrography. GITC publishes a complete range of professional magazines, each magazine being an authority in its field, including GIM International, Hydro INTERNATIONAL, Professional Surveyor, EOM, Geomatics World, Engineering Surveying Showcase, European Journal of Navigation, International Hydrogaphic Review, GEOmedia, ISPRS Highlights and EARSeL. Each with its own targeted editorial coverage and distribution, focused on the latest news and topical overviews.

#### **Global Scan Technologies** (Stand Number: G05)

P.O. Box 1286, Dubai, United Arab Emirates Tel: +971 4 2976282 Fax: +971 4 2699307 E-mail: gst@belhasa.ae Website: www.gstdubai.com

Remote Sensing & GIS solutions. Satellite imagery, Aerial photo, LIDAR and GPS. GST's applications: Utility Mapping, Natural resources analysis and mapping (land, soil, vegetation geology...), Urban Planning, corridor survey and 3D city modeling using LIDAR. GST has its won technology for underground earth resources exploration: Water, Minerals, Oil and Gas.

## Hansa Luftbild German Air Surveys (Stand number: B05)

Elbestrasse 5 - 48145 Münster, Germany Tel:+49-251-2330-0 Fax:+49-251-2330-112 E-mail: info@hansaluftbild.de Website: www.hansaluftbild.de Hansa Luftbild, German Air Surveys, is a leading company in geomatics. During the ISPRS Congress, the company presented its full range of services

company in geomatics. During the ISPRS Congress, the company presented its full range of services including its GIS solutions for harbor and utilities management, as well as its document management system and 3D applications for urban mapping.



Hewlett Packard (Stand Number: A16) Eski Üsküdar Cad. Vip Plaza No: 10 Kat: 18-9-10 Kozyatagi 81120 <Istanbul Tel: +90 216 579 79 00 Fax: +90 216 579 78 00 HP offers state-of-the-art printing and imaging solutions for both business and consumer use through

its Imaging and Printing Group (IPG). IPG solutions include printer hardware, multi-functional products, digital imaging devices such as cameras and scanners, and associated supplies and accessories. HP provides large format printing solutions for technical and graphics professionals.

**Immersion Corporation** (*Stand Number: G07*) 801 Fox Lane, San Jose, CA 95131 USA Tel: 408-350-8701 Fax: 408-467-1901 E-mail: sales@immersion.com

Web : www.immersion.com

With optical encoders, function keys, and trigger buttons, the SoftMouse device supplies high-resolution, fast, and accurate positioning for 3D photogrammetry systems used for GIS surveys, strategic military planning, and other applications. The device and its flexible Interface Box offer unparalleled ease of integration for system developers and comfortable twohanded operation for end-users.

#### IGI (Stand Number: A10, A11)

Langenauer Strasse 46 57223 Kreuztal / Germany Tel: +49-2732-55 25 0 Fax: +49-2732-55 25 25 E-mail: contact@igi-ccns.com

Website: www.igi-systems.com

Founded in 1978, IGI is an internationally recognized company and has specialized on system products and services for the aerial survey and remote sensing market.

*WinMP* - Mission planning and documentation software

CCNS - Guidance, positioning and sensor-management system

ABGPS - Airborne/Kinematik GPS

AEROcontrol - GPS/IMU precise positioning and orientation system

AEROoffice- GPS/IMU post-processing software.

*LiteMapper* - Airborne LIDAR terrain mapping systems

dIGIcam- digital camera systems

*GSM-3-* Gyro Stabilized Mount with dirft controls. GPS Base Stations

#### **INPHO GmbH** (*Stand Number: C07*)

Smaragdweg 1 70174 Stuttgart Germany Tel: +49-711-228810 Fax: +49-711-2288111 E-mail: sales@inpho.de

Website: www.inpho.de

INPHO is a leading photogrammetric systems provider with more than 1000 users world-wide. INPHO products cover the complete digital photogrammetric workflow including aerial triangulation, stereo compilation, DTM generation, orthophoto production and 3D building extraction. In addition, INPHO offers products for DTM processing, including filtering and editing of LIDAR data.

#### Institute of Geomatics (IG) (Stand Number: D06)

Campus de Castelldefels Av. del Canal Olímpic, s/n E-08860

Castelldefels, Barcelona, Spain

Tel: +34 93 5569280 Fax: +34 93 5569292 E-mail: info@ideg.es

Website: http://www.ideg.es

Development of Geomatics through applied research and education in support of society, institutional and industry needs. Exhibition of latest research results at the Institute, in particular of the GeoPIE project, the development of an advanced sensor concept. The Institute also informs on its ongoing education activities.



INTA SPACETURK (*Stand Number: B02*) Haymana Yolu 12.km Gölbasi– ANKARA - Turkey Tel: +90 (312) 612 2370 Fax: +90 (312)612 2390 E-mail: info@spaceturk.com.tr Website: www.spaceturk.com.tr Inta SpaceTurk is the leading commercial producer of

high-resolution satellite imagery and distributor of geographic information products and application services in Eurasia region. Its multi-source and multicapable identity assures the best service to wide range of commercial, civil and government clients. Inta SpaceTurk executes the imaging rights of Space Imaging's Ikonos satellite in Eurasia. The imaging area is the communication cone of 4,600 km diameter, having the Regional Operations Center in Ankara, Turkey. The Company also performs imaging with SPOT 5 satellite. The 5-meter resolution SPOT-5 has an outstanding collection capability and oversampling methods enable users for 2.5-meter resolution. Its production and project application groups, located in Golbasi Regional Operations Center and Bilkent University Technopark Site, serve the most customeroriented, prompt and workable solutions.

Website: http://www.intermaptechnologies.com

## **Intermap Technologies** (Stand Number: G01, G02, G03)

400 Inverness Parkway, Suite 330 Englewood, Colorado 80112

Tel: (303) 708-0955 Fax: (303) 708-0952

E-mail: info@intermaptechnologies.com

Intermap's mission is to facilitate better decisionmaking in government and industry by supplying high quality, low-cost digital elevation mapping products. Intermap provides digital elevation models (DEMs) and Orthorectified Radar Images (ORIs) for customers who need accurate topographic data to produce consistent, cost-effective solutions to terrain mapping anywhere in the world.

#### ISTANBUL TECHNICAL UNIVERSITY

## **Photogrammetry and Remote Sensing Laboratory** (*Stand Number: D08*)

Civil Engineering Faculty

Department of Geodesy and Photogrammetry

34469 Maslak / Istanbul TURKEY Tel: + 90 212 285 6553 - 285 67 91 Fax: + 90 212 285 6587

Efficient methods for digital image processing and measurements on digital images and acquisition of digital elevation models are developed in the Photogrammetry and Remote Sensing Laboratory. Researches focuses on image analysis and pattern recognition, photogrammetric evaluation, semi automatic and automatic interpretation of digital imagery, different applications of close range photogrammetry such as documentation of historical monument, medical applications and industrial visualization applications, advanced functions. interpretation and classification methods, data fusion, temporal analysis, automated measuring procedures, deformation analysis of regular and irregular objects, calibration of cameras, microwave remote sensing and information systems applications for sustainable human future offering the promise of managing natural resources, improving living standards, planning, operation and development, eliminating diseases. helping manage environmental risk and disasters, understanding global change, economic and business growth. Calibration and ground truthing enables by in situ imaging spectroradiometers.



**ISTAR** (Stand Number: A09)

International Institute for Geo-Information Science and Earth Observation (ITC) (*Stand Number: C12*) Hengelosestraat 99 PO Box 6 7500 AA Enschede The Netherlands Tel: +31 (0)53 487 44 44 Fax: +31 (0)53 487 44 00 E-mail: pr@itc.nl Website: www.itc.nl ITC is the largest institute for international higher education in the Netherlands The Institute provides

education in the Netherlands. The Institute provides international education, research and project services in the field of geoinformation science and earth observation using remote sensing and GIS techniques. The aim of ITC's activities is the international exchange of knowledge, focusing on capacity building and institutional development in countries that are economically and/or technologically less advanced. **ITRES Research Limited** (Stand Number: G04)

110 -3553 31st St. N.W. Calgary, CANADA T2L 2K7 Tel: 403-250-9944 Fax: 403-250-9916 E-mail: info@itres.com

Website: http://www.itres.com

ITRES is an airborne hyperspectral mapping sensor manufacturer and worldwide mapping service provider. Commercial sensor technologies include the CASI (VNIR), SASI (SWIR) and TABI (TIR). For information, contact:

#### **KLT Associates, Inc.** (*Stand Number : A12*)

100 Corporate Place Peabody, MA 01960

Tel: +19785369100 Fax: +19785369110

E-mail: sales@kltassoc.com

Web : www.kltassoc.com

ATLAS provides a fully integrated system for collecting, editing, and retrieving geographic information, softcopy stereo data collection, manipulation of TINs (Triangular Irregular networks) and production ortho rectification of aerial, satellite and digital imagery. A fully integrated and automated AT (Aerial Triangulation) system is available for even the most difficult mapping projects.

#### Leica Geosystems (Stand-Number: B03, B15)

Heinrich-Wild-Strasse 1, CH-9435 Heerbrugg, Switzerland

Tel: +41 71 727 31 31 Fax: +41 71 727 4691 E-mail: fritz.staudacher@leica-geosystems.com

Website: www.leica-geosystems.com

Leica Geosystems is a pioneer and world leader in spatial data capture and modelling solutions. It offers the most comprehensive range of systems for surveying, mapping, metrology and monitoring. Leica Geosystems' GIS & Mapping Division is the expert in geospatial imaging. Its hardware and software products power the Geospatial Imaging Chain - the definitive industry workflow of capturing, referencing, mapping, analyzing and presenting geospatial information. Presentations were made of a range of new solutions shown for the first time at Leica Geosystems' ISPRS booth.

#### MAS-RD-Co (Stand Number: G14)

# **MESCIOGLU ENGINEERING** (Stand Number: C17)

Oguzlar mah. 34. sok. No:23/6 06520 Balgat / ANKARA

Tel: +90(312)2873131 - +90(312)2352000

Fax: +90(312)2841515

E-mail: mescioglu@mescioglu.com.tr

Website: www.mescioglu.com.tr

Mescioglu Engineering was established in 1984 in Ankara. Our major activities are Digital Photogrammetry, Digital Mapping, Digital Satellite Images, GIS, Urban Planning, Engineering and Consultancy Services, Highway, Motorway, Railway and Subway Design, Bridge, Viaduct, Tunnel, Intersection and Interchange Design. In the field of activities Mescioglu is the one of the prominent engineering companies in Turkey.

#### **NETCAD GROUP** (Stand Number: A06)

Netcad Plaza Cetin Emec Blv. 8. Cd. 62.Sok. No:12 Ovecler/ANKARA Tel: 0312 473 05 00 Fax: 0312 473 05 13 E-mail: info@netcad.com.tr Website: www.netcad.com.tr

#### NETCAD is a CAD&GIS&Photogrammetry Solution. The company has founded in 1987 and has 10000 installation and 25 professional vertical solution. Digital Photogrammetric Solution, FOTOCAD can process aerial, terrestrial, Ikonos and QuickBird satellite images in stereo and mono environment. FOTOCAD has orthorectification, automated DEM extraction, bundle adjustment and many vector/raster format support tools.



NIK SISTEM (Stand Number: D05) Ortaklar Cad. Yonet Apt. No.27 D.6 Mecidiyekoy - 34394 - Istanbul Tel: +90 212 347 38 15 pbx Fax: +90 212 288 76 02 E-mail: mail@nik.com.tr Website: www.nik.com.tr

NIK SYSTEM has been continuing to give services with high quality and costumer satisfaction since 1993. Main working areas are construction, software, satellite image distribution and remote sensing related projects. NIK SYSTEM software department are distributors/resellers of several software and satellite imageries. ERSDAC and Earth Resource Mapping representatives will be in NIK booth for Aster and ER Mapper related questions, respectively. Information about ER Mapper, Image Web Server, EarthView, Intrepid, LaserFiche and Global Mapper software, and QuickBird, Orbview, Aster, KVR-1000, DK-1,2, Landsat, Envisat, Radarsat, Modis, Hyperion, ALI, Spot, ERS, Kompsat and more.... were available in NIK booth.

Softwares:	Images:
ER Mapper,	ASTER,
IMAGE WEB SERVER,	QuickBird,
EARTH VIEW	OrbeView,
Intrepid,	KOMPSAT,

Laser Fiche,

KVR-1000, ERS, ENVISAT, RADARSAT, LANDSAT, ALI, MODIS, HYPERION, ALSAT

## Equipment:

## ASD SPEKTRORADYOMETER

## **OPTECH INCORPORATED** (*Stand Number: C20*) 100 Wildcat Road Toronto, ON, M3J 2Z9 Canada

Tel: 1-416-661-5904

Fax: 1-416-661-4168

Optech Incorporated, the global leader in the development and manufacture of laser-based survey instruments, is pleased to announce the launch of its ALTM 3100, the world's first 100 kHz airborne laser terrain mapper. Optech is comprised of five major divisions: Laser Imaging, Space and Atmospheric, Marine Survey, Industrial Products, Terrestrial Survey. Each division represents a specialty, but all five share a common mission - to design and manufacture state-of-the-art precision measurement instruments that utilize lidar (light detection and ranging).

#### **ORBIMAGE Inc.** (Stand number D01)

21700 Atlantic Blvd. Dulles, Virinia 20166 U.S.A. Tel: +1-703-480-7500 Fax: +1-703-480-7544 E-mail: info@orbimage.com Website: www.orbimage.com ORBIMAGE is a leading global provider of Earth imagery products and services with remote sensing

imagery products and services, with remote sensing satellites and a worldwide image receiving, processing and distribution network. The company operates the OrbView-3 satellite, providing one-meter panchromatic and four-meter multispectral imagery, and the OrbView-2 multispectral imaging satellite. The company also produces value-added imagery products. Commercial sales are handled through a worldwide network of value-added resellers, regional distributors, sales agents, and select strategic partners.

#### **PCI GEOMATICS** (Stand Number: D02)

50 West Wilmot St., Ste. 200 Richmond Hill, Ontario Canada L4B 1M5 Tel: (905) 764-0614 Fax: (905) 764-9604 (fax) E-mail: info@pcigeomatics.com Website: www.pcigeomatics.com) is a world

leading developer of image-centric geomatics software solutions. Geomatica 9 is PCI Geomatics' completely integrated geospatial software solution. Projects are managed within a single productivity oriented GUI environment, where advanced remote sensing capabilities share data with spatial analysis, photogrammetry, and cartographic processing tools

#### Informatik

#### **Co-exhibitor of PCI Geomatics**

Famas Plaza A Blok, Kat: 3 Darulaceze Blv. H.Z. Turkkan Str.

80270 Sisli, Istanbul, Turkey

Tel: +90 312 440 79 82

Fax: +90 312 440 82 62

Informatik is the official PCI Geomatics reseller for Turkey. They have offices located in Istanbul and Ankara. For more information, please send your enquiries to: informatik@turk.net.

#### **Pixoneer Geomatics, Inc.** (Stand Number: D04)

7777 Leesburg Pike, Suite 7LS Falls Church, VA 22043

Tel: (703) 852-2162 Fax: (703) 852-2170

E-mail: skim@pixoneer.com

Website: www.pixoneer.com

Pixoneer Geomatics is a premier provider of image processing software and geospatial services for educational and research institutions, government and military agencies, and commercial entities. Pixoneer Geomatics provides a total solution ranging from image processing software designing tools, development of educational and training modules, derivation of value-added products, customization of prototype and operational applications, to implementation of integrated enterprise systems. We are distinguished from our competition on all facets of our business: our easy to use, yet robust and fully functional software tools, our proven in-house expertise, our highly competitive pricing and our unparalleled support.

#### **Prompt** (Stand Number: A13)

Truderinger Str 13 81677 Munich, Germany Tel: +49 89 2444094-0 Fax: +49 89 2444094444 E-mail: info@promptgeo.com

Website: www.promptgeo.com

Systems for Prompt geo-information access PromptServer is the system-independent enterprise solutions for management, processing and distribution of huge image data sets with on-the-fly image processing. Suitable for applications ranging from complex map updating to quick response emergency services, it provides instant access regardless of size, volume, format or compression of the imagery.

#### **RACURS** (Stand number: C03)

Ul. Myasnitskaya, 40-6, office 605, 101000, Moscow, Russia

Tel: +7-095-928-20-01 Fax: +7-095-928-61-18

E-mail: info@racurs.ru

Website: www.racurs.ru

Racurs offers a wide range of software solutions and services in the field of digital photogrammetry and remote sensing. Our PHOTOMOD software allows to process aerial images as well as satellite data (both optical and radar) to obtain 3D vector data, digital terrain models and orthoimages. **RADARSAT International Inc.** (*Stand number: C15*) 13800 Commerce Pkwy. Richmond, B.C. CANADA V6V 2J3 Tel: 1 604 231 4986 Fax: 1 604 244 0404

E-mail: gvujanic@rsi.ca Website: www.rsi.ca

RADARSAT International (RSI) is a world-leading provider of data products, information services and geographic information solutions based on satellite imagery acquired from commercially-available Earthobservation satellites, including: RADARSAT-1, LANDSAT 4/5, LANDSAT 7, IKONOS, ERS, QuickBird, ENVISAT and EROS. Our global markets range from natural resource management and environmental monitoring to defense, disaster management, and mapping.



#### Istanbul Technical University Center for Satellite Communications and Remote Sensing (ITU-CSCRS) (Stand number: C15)

Institute of Science and Technology, Istanbul Technical University - Maslak, Istanbul 34469 Turkey

Tel: 90-212-285-6813 Fax: 90-212-285-7167

E-mail: cscrs@cscrs.itu.edu.tr

Website: www.cscrs.itu.edu.tr

Istanbul Technical University Center for Satellite Communications and Remote Sensing (ITU-CSCRS) is a multi-mission ground receiving station with the ability to accommodate current and future satellite missions. The motivation behind the station includes the desire to raise the level of technical competence in the field of space technology, and to facilitate a supply of remotely sensed data to the Turkish user community.

## **RIEGL Laser Measurement Systems GmbH** (Stand Number: C18)

Riedenburgstrasse 48 A-3580 Horn, Austria Tel: +43 (2982) 4211 Fax: +43 (2982) 4210 E-mail: office@riegl.co.at Website: www.riegl.com

RIEGL LMS GmbH, 25 years of experience in the research and development of optical radar systems. The 3D laser imaging sensor RIEGL LMS-Z420i is a rugged and fully portable sensor. It provides a combination of wide field-of view, high range, and fast data acquisition. Typical Applications are Topography & Mining, Architecture & Facade Measurement, Archaeology & Cultural Heritage Documentation, etc.

#### PHOCAD GmbH Co-Exhibitor of Reigl

Jülicher Strasse 336 52070 Aachen, Germany Tel: +49 241 9609244 Fax: +49 241 9609246 E-mail: info@phocad.de Website: www.phocad.de

PHOCAD develops software for close-range digital photogrammetry. The main product PHIDIAS is used in several fields of application like documentation of plants & facilities, buildings, cultural heritage and crime scenes. PHIDIAS is integrated into MicroStation and offers multiimage and single-image measurement, stereoscopic view and seamless integration of point clouds from 3Dlaserscanners.

#### **Rollei Fototechnic GmbH** (*Stand Number: A07*)

Salzdahlumer Str. 196 Braunschweig 38126, Germany

Tel: +49 531 6800222 Fax: +49 531 6800303

E-mail: info@rollei.de

Website: www.rollei.de

Rollei presents its aerial or terrestrial digital metric system, which can be equipped with a wide range of measuring bases for different applications and Rollei offers also CIR sensors in the cameras to use the systems for CIR- and for true colored imaging flights. The system will be shown with the own mounting and will be operated with outstanding software solutions.



**Remote Sensing and Photogrammetry Society** (**RSPSoc**) (*Stand Number: D12*)

c/o The School of Geography The University of Nottingham

University Park, Nottingham NG7 2RD, United Kingdom

Tel: +44 (0) 115 9515435 Fax: +44 (0) 115 9515249

E-mail: rspsoc@nottingham.ac.uk

Website: http://www.rspsoc.org

The RSPSoc was formed from a merger between the former Remote Sensing and Photogrammetric Societies. The Society fosters links between commercial, industrial, academic and international organizations. The RSPSoc gives its members a range of opportunities to exploit available remote sensing and photogrammetry technology and to share their knowledge and skills.

#### **SAM GIS Development** (Stand Number: G15)

#### **SOVINFORMSPUTNIK** (Stand Number: D13)

47, Leningradsky Prospekt, 125167 Moscow, Russia Tel: +7 095 943 0757 Fax: +7 095 943 0585 E-mail: common@sovinformsputnik.com Website: www.sovinformsputnik.com Activities: satellite surveys, processing and distribution of remote sensing (RS) data, preparing of GIS data, development and distribution of photogrammetric software, complex projects. Services: accepting of orders for satellite survey, production of digital maps, orthoimages, DEM, GIS layers, spatial 3D animation, consultations and training in mapping and RS technologies.

#### **SPACE IMAGING** (Stand Number: C14)

## Space Imaging Middle East (Stand Number: B04)

Warba Center P.O Box 35391 Tel: 00971-4-2661799 Fax: 00971-4-2689173 Website: www.spaceimagingME.com

Based in Dubai, Space Imaging Middle East (SIME) is the leading supplier of satellite imagery in the region offering a comprehensive range of visual imagery products and services derived from space imagery and aerial photography. SIME geographic scope covers the Middle East, East Africa, the Gulf and Central Asia.

#### **European Space Imaging**

**Co-Exhibitor of Space Imaging Middle East** Arnulfstrasse 197- 80634 Munich, Germany Tel: +49 89 1301 42-0 Fax: +49 89 1301 42-22 E-mail: info@EUSpaceImaging.com Website: www.euspaceimaging.com Headquartered in Munich, Germany European Space Imaging is the pre-eminent supplier of global satellite imagery and derived information products to customers in Europe. The company was established October 2002 with the main investor being Space Imaging Middle East LLC of Dubai, UAE. European Space Imaging has two main strategic technology partners: GAF AG of Munich, and DLR, the German Aerospace Center.

#### GAF AG

#### **Co-Exhibitor of Space Imaging Middle East**

Arnulfstr. 197 - 80634 München, Germany Tel: +49 (0)89-12 15 28-0 Fax:+49 (0)89-12 15 28-79 E-mail: info@gaf.de

Website: http://www.gaf.de

GAF AG is an internationally active consultancy company with leading competence and experience in: •Spatial Data Distribution and Processing

•Information Systems (GIS/DB)

•Management Consulting

•Consultancy and technical assistance projects internationally related to the thematic areas of agriculture, forestry, environment, geology, land

management and infrastructure

#### German Remote Sensing Data Center of DLR, Oberpfaffenhofen

## **Co-Exhibitor of Space Imaging Middle East** DLR

DFD

Muenchnerstr. 20 82234 Wessling Germany Tel: +49 (0)8153 28 1371 Fax: +49 (0)8153 28 1313 Website: www.caf.dlr.de The German Remote Sensing Data Center provides provide a range of services including: Consultancy and studies Data reception Data management Aircraft flights Multimedia Support Technology transfer

We have departments at the DLR-sites Oberpfaffenhofen, Neustrelitz, Berlin-Adlershof, and Köln-Porz

#### SPOT IMAGE S.A. (Stand Number: B06)

5, rue des Satellites BP 14359 F-31030 Toulouse Cedex 4,

FRANCE

Tel: + 33(0)5 62 19 40 40 Fax: + 33(0)5 62 19 40 51 E-mail: sales@spotimage.fr

Website: www.spotimage.com

Spot Image distributes geographical information products derived from the SPOT satellites and from other sensors both radar (ERS, Envisat, Radarsat, ...) and optical (QuickBird, Ikonos, Landsat, VEGETATION, ...): data, 3D products, databases, applied solutions for mapping, cadastre, agriculture, risk management etc., as well as direct access to the system with SPOT 5 terminal and data reception licenses.

## **STORA ENSO / Wood Supply Europe** (Stand Number: C10)

Talvikkitie 40 C FIN-01300, Finland

Tel: +358-2046-24961 Fax: +358-2046-24960

Website: www.storaenso.com/ensomosaic

EnsoMOSAIC is a digital small scale imagery system which produces georeferenced image mosaics. The whole EnsoMOSAIC process is digital from the image capturing to the creation of mosaics and DTM. Imaging is controlled by software that triggers the camera and labels the images with GPS coordinates. The EnsoMOSAIC image processing software automatically rectifies thousands of images, applying bundle block adjustment, and joins them into a georeferenced mosaic.

#### VTT

**Co-exhibitor of Stora Enso** P.O. Box 1201 FIN-02044 VTT, Finland Tel: +358-9-4566282 Fax: +358-9-4567049 E-mail: tuomas.hame@vtt.fi Website: www.vtt.fi/space VTT is an impartial and multidisciplinary expert organization with a staff number of 3000. Sciencebased innovations form the core of VTT operations. The internationally recognized expertise in remote sensing at VTT includes forestry applications, geometrical and radiometrical corrections of images, image mosaicking, and sea-ice monitoring using both optical and radar images.

#### Terra digital GmbH & Co KG (Stand Number: A03)

An der Post 2 02906 Kreba-Neudorf Tel: +49 (0) 35893 50280 Fax: +49 (0) 35893 50281 E-mail: info@terra-digital.net Website: http://www.terra-digital.net Full digital photogrammetric services in whole Europe Equipment: 3 airplanes, Leica units: digital camera ADS 40, Laserscanner ALS 50-83, digital scanning workstation DSW 600 Products: High quality DTM + DSM, ground point density better than 1 point/sqm

Digital orthophotos with up to 15 cm ground resolution True orthophotos

3D-City models



**TopoL Software** (*Stand Number: A14*) Fantova 1791/14 - 155 00 Praha 5 Czech Republic Tel: +420 251 563 003 Fax: +420 251 564 005 E-mail: topol@topol.cz Website: www.topol.cz

TopoL Software, Prague, Czech Republic develops GIS TopoL and digital photogrammetric workstation PhoTopoL Atlas. These products are sold in many countries. PhoTopoL Atlas is a powerful, low cost application.

### GGS – Office for Geotechniques, Geoinformatics, Service and Consulting

**Co-Exhibitor of Topol** Kämmererstrasse 14 – D- 67346 Speyer Tel: +49 6232 629271 Fax: +49 6232 629274 E-mail: kemper@ggs-speyer.de Website: www.ggs-speyer.de / www.atlas-dmt.de www.photopol.de / www.trimus.de GIS-based solution for aerial work like Laser scanning, aerial imaging, monitoring work or emitting. Preplanning, navigation and controlling with PC, GPS- INS and optional stabilized platform. Huge amount of features arte included. Real-time covering, GPS-INS data on the monitor enable a perfect navigation and controlling.

#### **TopoSys GmbH** (Stand Number: C19)

Obere Stegwiesen 26 88400 Biberach, Germany Tel: +49(0)7351/4 74 02 - 0 Fax: +49(0)7351/4 74 02 -31

E-mail: info@toposys.com

Website: www.toposys.com

TopoSys manufactures the airborne Lidar sensor "Falcon". It includes an RGB/NIR line scanner and is designed for high precision Lidar scanning. TopoSys also operates three Falcons for own Lidar data acquisition projects.

#### **Turkish National Society for Photogrammetry and Remote Sensing** (Stand Number: D10)

President : A. Fuat SARAC Correspondence: Oktay AKSU Tel: +90 312 595 2271 Fax: +90 312 320 1495 E-mail: oaksu@hgk.mil.tr



Vexcel Corporation (*Stand Number: B13*) 1690 38th Street Boulder, CO 80301 Tel: +1 303-583-0200 Fax: +1 303-583-0246 : +43 (316) 849066-0 Austria E-mail: www.vexcel.com Vexcel Corporation is an internationally recognized remote sensing company offering the following

remote sensing company offering the following products and services to government and commercial markets: i) Photogrammetry and mapping hardware/software, including the UltraCam digital aerial camera; ii) GIS products and system solutions; iii) SAR research, exploitation software and services; and iv) remote sensing ground systems.

Vito (Stand Number: B09)

Boeretang 200 - B-2400 Mol - Belgium Tel: +32 14 33 68 07 Fax: +32 14 32 27 95 E-mail: jurgen.everaerts@vito.be Website: www.pegasus4europe.com The mission of Vito – the Flemish Institute for

Technological Research - is to support its customers with sustainable technological development in energy, environment and materials. The PEGASUS project will offer high resolution remote sensing information, using a High Altitude Long Endurance UAV, for environmental, humanitarian, mapping and security applications across Europe.

## Alcatel Bell Space n.v.

**Co-Exhibitor of Vito** Berkenrodelei, 33 B 2660 Hoboken Belgium Tel: +32 3 829.5050 Fax: +32 3 829.5021 E-mail: sales@absp.alcatel.be Website: www.alcatel.be/space

Earth Observation Data Acquisition Equipment and Stations: multi-satellite receiving systems. Broadband Satellite Access Systems, Gateways and User terminals. Satellite Control Ground Stations. Electrical and Electronical Test Systems. Turnkey projects / management. ISO9001 certified. General support in system studies, test, integration, installation, Operations

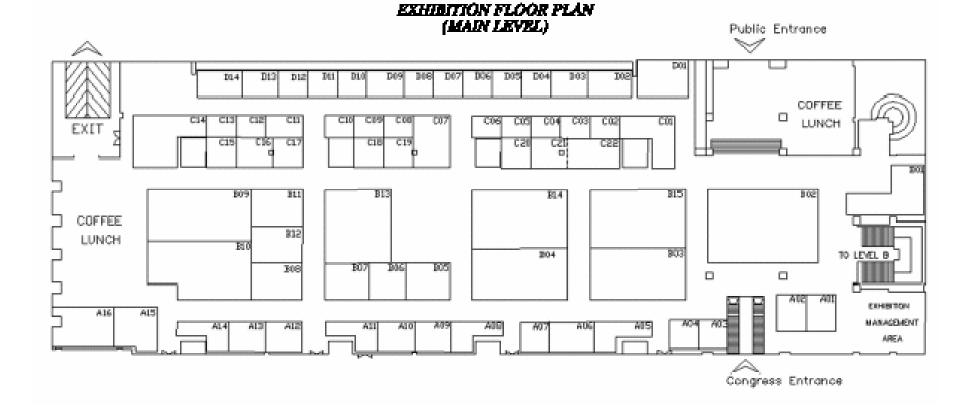
# **WEHRLI & ASSOCIATES INC.** (Stand Number C21)

Address1: 7 Upland Drive Address2: Valhalla, New York 10595 USA Tel: 914-948-7941 Fax: 203-834-0213 E-mail: info@wehrliassoc.com Website: www.wehrliassoc.com Introducing the latest in digital photogrammetry: 3-DAS-1 Digital Aerial Camera, ASP-1 Airborne Stabilized Platform and RM-6 AutoScanner. Our goal provide photogrammetric systems of the highest quality

at the lowest cost; offer our customers the ability to

Z/I Imaging (Intergraph) (Stand Number: B14)

earn a fair and quick return on their investment.



**ISPRS 2004 ISTANBUL**