Announcement and Call for Papers

International Society for Photogrammetry and Remote Sensing

ISPRS Hannover Workshop 2013

High-Resolution Earth Imaging for Geospatial Information

May 21 – 24, 2013

organised by ISPRS WG I/4, III/4, IV/2, VII/2

supported by ISPRS Commission I, WG IV/1 and the International Academy of Astronautics (IAA)

hosted by IPI

Institute of Photogrammetry und GeoInformation
Leibniz Universität Hannover

sponsored by

HEXAGON

The power to see - when it has to be right

Workshop goals

Earth imaging from air and space has undergone major changes over the last years. Examples of new and significant developments comprise the development of digital aerial cameras, laser scanners and UAVs, now in everyday use, and the ever increasing number of high-resolution and hyperspectral optical and SAR/InSAR satellite sensors. Among other topics sensor and system calibration issues are of major importance as they govern the achievable quality of the results of the final results.
Today, all these data are used for the production of geospatial information. At the same time, updating existing geospatial databases has gained more importance, and automation has had a significant impact on the processing chain.
In addition, the stunning success of virtual globes, e. g. Google Earth or Bing Maps along with developments such as GEO (intergovernmental Group of Earth Observations), GEOSS (Global Earth Observation System of Systems) and GMES (Global Monitoring of Environment and Security) have significantly changed the remote sensing arena in the last few years.

These developments form the background for the ISPRS Hannover Workshop ***High-Resolution Earth Imaging for Geospatial Information 2013***, which you are cordially invited to attend. This meeting is a follow-up workshop of those held in Hannover in previous years.
The single-track workshop addresses experts from research, government, and private industry. It consists of high quality papers, and provides an international forum for discussion of leading research and technological developments as well as applications in the field.

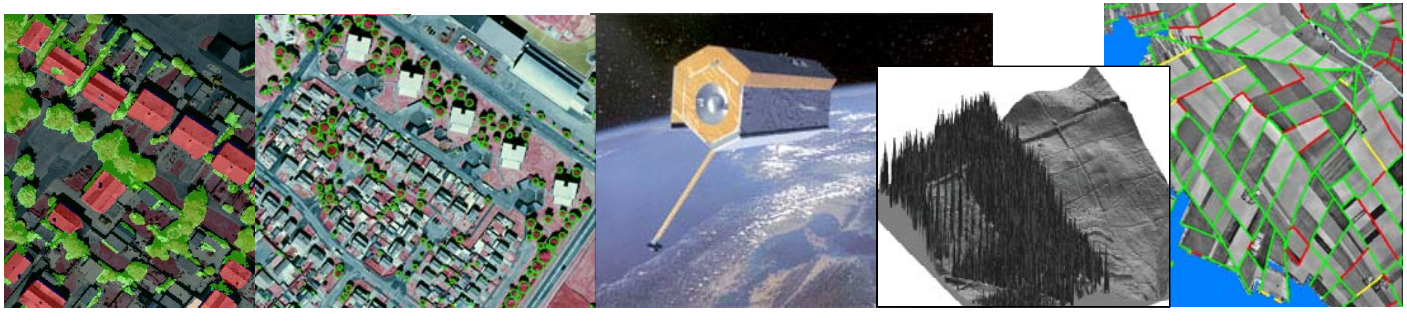
IPI is proud to announce that Hexagon Geosystems agreed to be the exclusive sponsor of this event. During Thursday afternoon there will be a master class where the processing chain of photogrammetry and remote sensing is illustrated by software demonstrations and real-life examples.

Topics and paper submission

You are encouraged to contribute to the workshop by submitting your latest research and development in the areas of

- Digital aerial cameras
- Exploitation of high resolution space images
- Potential of small satellites for topographic mapping
- Unmanned aerial vehicles (UAV)
- Airborne laser scanning
- High-resolution Synthetic Aperture Radar (SAR)
- Deformation monitoring based on SAR data
- Hyperspectral imaging
- Sensor and system calibration and integration
- Sensors and methods of DEM generation
- Aerial and satellite image analysis for geospatial data generation
- GIS driven updating and refinement of geospatial databases
- Virtual globes
- Rapid mapping for environmental applications and disaster management
- From experimental systems for object acquisition and updating to commercial solutions

The workshop language is English. All accepted papers will be published electronically and will be available at the meeting, and on the web. Publishing will be handled by Copernicus GmbH. Selected papers may also be published in a special issue of the ISPRS Journal of Photogrammetry and Remote Sensing, subject to acceptance in the regular peer-reviewed process.



Important dates

Deadline for abstracts (approx. 1000 words):
February 1st, 2013

Notification of acceptance:
March 1st, 2013

Deadline for full papers:
April 15th, 2013

Deadline for early registration:
April 15th, 2013

Extended abstracts (approx. 1000) need to be submitted via the conference website formatted according to the ISPRS guidelines for authors,
http://www.isprs.org/documents/orangebook/app5.aspx

Note that only papers for which at least one author has paid the registration by April 15th, 2013 will be published.

Programme Committee

Ismael Colomina (Institut de Geomatica)
Michael Cramer (Universität Stuttgart)
Michele Crosetto (Institut de Geomatica)
Clive Fraser (University of Melbourne)
Markus Gerke (University of Twente, ITC)
Ayman Habib (University of Calgary)
Christian Heipke (Leibniz Universität Hannover)
Petra Helmholz (Curtin University)
Stefan Hinz (Karlsruhe Institute of Technology)
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Eija Honkavaara (Finnish Geodetic Institute)
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Uwe Stilla (Technische Universität München)
Charles Toth (The Ohio State University)
Jan Dirk Wegner (ETH Zürich)

Further information is available at
www.ipi.uni-hannover.de/isprs_hannover2013.html

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The registration fee will be
380.00 € if registered and paid by April 15th, 2013
430.00 € after April 15th, 2013

Students:
190.00 € (copy of student ID required)

e-mail: sander@ipi.uni-hannover.de

Registration and accommodation

The fee includes admission to all sessions, conference proceedings, coffee and a social event and is payable in advance.

Hotel information is available via the
Hannover Tourismus Service
info@hannover-tourismus.de, www.hannover.de

Workshop site

The workshop will be held at the Leibniz Universität Hannover.

Hannover in Northern Germany, formerly the residence of the Hanoverian Kings of Great Britain, is today the capital of Lower Saxony with a population of 525,000. Being placed in the centre of Europe, it has excellent travel connections by air, road, and rail.

Hannover fairground is the location of Hannover Messe and Cebit, the world's largest industrial and information technology fairs, respectively. Among other attractions, the Royal Gardens of Herrenhausen, interesting and historic sights, as well as unique events, make Hannover the destination of tourists from all over the world.