

ISPRS Hannover Workshop 2011 „High-Resolution Earth Imaging for Geospatial Information“

The ISPRS Hannover Workshop 2011 entitled “High-Resolution Earth Imaging for Geospatial Information” was hosted by the Institute of Photogrammetry and GeoInformation (IPI), Leibniz Universität Hannover, from 14th to 17th June 2011. The workshop was organized by the ISPRS working groups WG I/4, III/4, IV/2 and VII/2, supported by EuroSDR and the ISPRS working groups I/2, I/5, IV/3, and sponsored by Intergraph. The aim was to analyze the applications of the new sensors and virtual globes, and the automation of the processing chain of updating geospatial databases. During the conference 66 papers were submitted of which 38 papers and 4 invited papers were delivered in the oral sessions, and 27 posters were presented in the two dynamic poster sessions.

The conference opened with the welcome addresses of Christian Heipke (Leibniz Universität Hannover) and Kevin Mooney (Dublin Institute of Technology-EuroSDR Secretary-General). Following, Marguerite Madden (University of Georgia, Athens) presented the keynote entitled “Multitemporal Imagery Supporting Earth Studies and Sustainability”. The sessions of Tuesday 14th were focused on object-based image analysis for agricultural and environmental applications, and also image processing methodologies with different purposes. The first day of the conference ended with the icebreaker, which took place in the terrace of the IPI where participants enjoyed German food with relaxed conversations.

The second day started with the invited paper “Fusion of Heterogeneous Digital Elevation Models using Sparse Representations” by Konrad Schindler (ETH Zurich). Afterwards, there were two sessions regarding to building extraction from high resolution images and DEM generation from SAR data. After the lunch break, Neil Ackroyd (Ordnance Survey, Southampton) presented the invited paper on “A new way of working; Integrating photogrammetric capture and groundbase field survey”, followed by the first poster session devoted to geometry and radiometry issues. Later, two oral sessions focused on generation of DTM and SAR applications. At night, a dinner was held in the gardens of the Wilhelm-Busch Museum in a friendly atmosphere.

The activities programmed for the Thursday 16th began with the invited paper “Geospatial Imaging and Processing at Google” by Claus Brenner (Google Inc., Mountain View). Next, the oral sessions about applications of LiDAR data and characteristics and calibration of sensors were developed. In the afternoon, the second poster session focusing on object extraction was on the schedule. Then the Intergraph-ZI Imaging master class devoted to the description of the

sensors of Z/I & Leica Imaging incl. the Lidar ALS70 took place, followed by an enriching debate with the representatives of the company.

In the last day of the conference, an oral session about generation and correction of digital elevation models together with the oral session about urban analysis were performed. The workshop was closed by Christian Heipke, who thanks all the participants for the interesting reports and discussions.

Conference proceedings, published in the International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences are accessible online at the ISPRS website. An extended version of some papers will be published in a special issue of *Photogrammetrie – Fernerkundung – Geoinformation (PFG)*, the peer-reviewed journal of the German Society for Photogrammetry, Remote Sensing and Geoinformation, during 2012.

The participants agreed about the high scientific level of the communications, the friendly atmosphere and the perfect organization of the workshop by the IPI members and, they are looking forwards to the next ISPRS Hannover Workshop.

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