

Successfully completed the ISPRS Hannover Workshop 2017

The ISPRS Hannover Workshop 2017 took place from June 6th to June 9th 2017. This workshop has a very long tradition: the first edition was organized in 1987 by Prof. Konecny under a different name while the current name was adopted in 2005. The workshop is traditionally organized and hosted by the Institute of Photogrammetry und Geoinformation (IPI) of the Leibniz Universität Hannover (Germany).

The 2017 edition differed from the previous events, organizing several workshops under its roof. The High Resolution Earth Imaging for Geospatial Information (HRIGI17), which was part of the previous editions, was joined by another three well established events: CMRT17 (City Models, Roads and Traffic), ISA17 (Image Sequence Analysis) and EuroCOW17 (European Calibration and Orientation Workshop). HRIGI and EuroCOW are workshops that have traditionally dealt with “geometric” topics, such as sensor calibration and image orientation, while CMRT and ISA have a legacy in automatic scene understanding, object reconstruction and trajectory computation.

The ISPRS Hannover Workshop was organized thanks to collaboration among ten different ISPRS Working Groups (I/2, I/4, I/8, I/9, I/10, II/4, II/5, II/6, III/3, III/7) and two Inter-Commission Working Groups (I/IV, II/III). This collaboration led to the successful integration of different topics into the four full-day programme. The event was sponsored by Leica Geosystems (gold sponsor), Geonumerics, IGI, Luxcarta, Pix4D, Vexcel and supported by DGPF, EARSeL, EuroSDR and IAA.

A large number of researchers from the scientific community submitted their works to the workshop. 57 full and 121 abstract-based reviewed papers were submitted in total. 53% of the full papers and 110 abstracts were accepted for publication for the ISPRS Annals and Archives, respectively. As a result a total of 130 papers were presented during the workshops. These contributions were organized in 10 different technical sessions and four poster sessions. The technical sessions were equally distributed among the workshops. Four sessions were co-organized by two workshops. The 40 oral presentations were organised as a single track in front of 209 participants coming from 31 countries.

The ISPRS Hannover Workshop started with the opening ceremony in the morning of June 6th. Christian Heipke, ISPRS President and main organizer of the event, introduced the programme and presented the news on ISPRS. He informed the community about the acceptance of the Annals in the Scopus libraries and recalled the attendants that ISPRS is accepting individual memberships since 2014. Uwe Stilla, DGPF President and co-organizer, presented the concept of the common event, reported about the review process and statistics. Beside the President of ISPRS, the Council was represented by the Second Vice-President Charles Toth and Congress Director Nicolas Papparoditis. Further ISPRS officials in attendance were Commission I President and Vice-President Stephan Hinz and Raul Queiroz Feitosa and Commission II president Fabio Remondino.

Oral presentations covered all the main topics of the four workshops, giving an excellent overview of the current progresses in these research areas. The programme included four keynote talks, one for each day of the ISPRS Hannover Workshop and reflecting the different topics of the workshops. The first talk was given by Mubarak Shah (University of Central Florida) on the wide area surveillance and camera networks; the second talk was presented by Kohei Cho (Tokai University) on the monitoring of tsunami-damaged areas while the third was given by Christoph Stiller (Karlsruhe Institute of Technology) on the blessing and curse of maps for automated driving. The last invited talk was presented by Raul Queiroz Feitosa (Pontifical Catholic University of Rio de Janeiro) on multi-temporal probabilistic models on crop recognition.

On Thursday afternoon, a masterclass and a session dedicated to industry were held by Leica Geosystems, Vexcel, IGI, Pix4D and Luxcarta. They shared with the audience the last progresses in their hardware and software developments. The social event took place at the Brauhaus Ernst August in Hannover on Thursday evening.

The proceedings of the ISPRS Hannover Workshop are available on the ISPRS website:

ISPRS Annals: <http://www.isprs-ann-photogramm-remote-sens-spatial-inf-sci.net/IV-1-W1/index.html>

ISPRS Achives: <http://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLII-1-W1/index.html>

A special issue in the Photogrammetric Engineering & Remote Sensing Journal will be open for the ISPRS Hannover Workshop papers in the upcoming weeks. The ISPRS President invited authors of accepted Annals papers to submit extended versions of the presented works to this journal.

The ISPRS Hannover Workshop offered a good collection of high level presentations on very specific topics, traditionally presented in different events. In this regard, the idea to join different workshops was very successful. It provided good opportunities for scientists and companies, usually involved in different research problems and applications, to discuss their new developments and solutions, sharing ideas and establishing new collaborations. Once again, the audience had the confirmation that research solutions to real world problems can be more efficiently found sharing ideas from different perspectives and expertise. All these considerations could represent a good motivation to continue this joint workshops formula also in 2019.

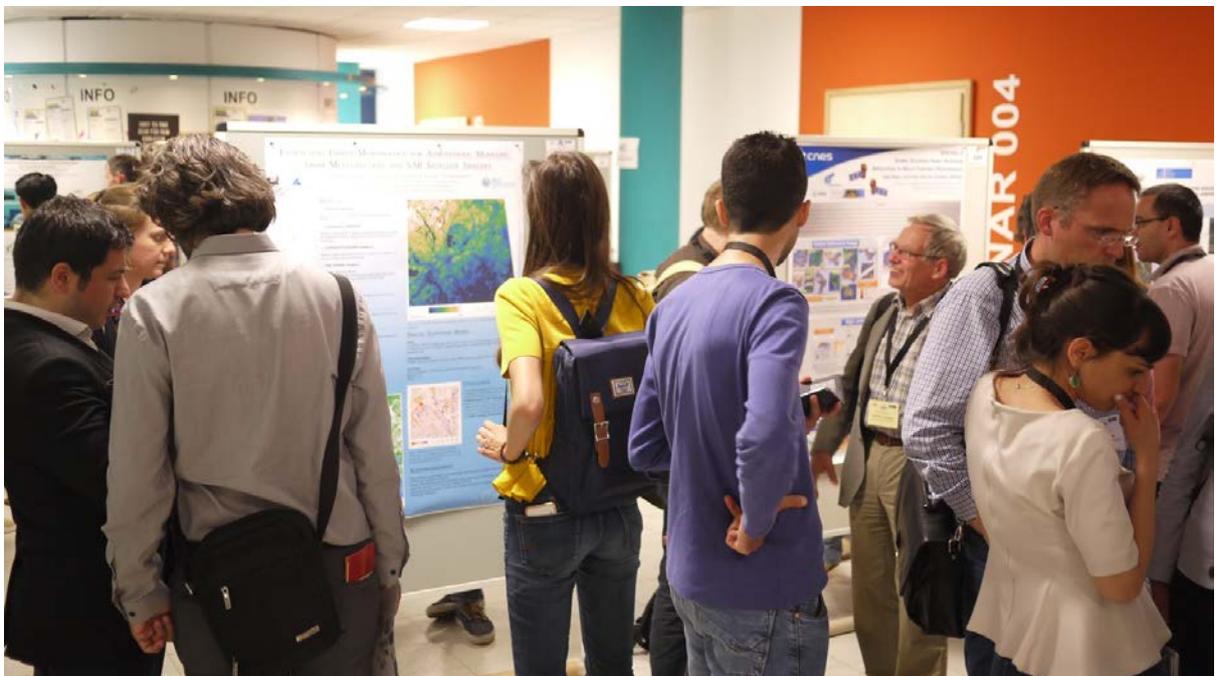
Francesco Nex, University of Twente, Enschede



Presentation of TIF travel grants at the opening ceremony, from left to right: Uwe Stilla, DGPF president, three of the grantees: Danang_Budi_Susetyo (Indonesia), Guoming Gao (China), Abdul Rahaman S (India), Christian Heipke, ISPRS president. Fredrick Onyango (Kenya) and Luka Jurjevic (Croatia), who also received a travel grant, could only arrive after the opening ceremony.



Two of the key note speakers: Mubarak Shah (left), Christoph Stiller (right)



Discussion during the poster session