

Preface

Image sequence analysis is an important topic of research in Photogrammetry, Remote Sensing, Computer Vision, and Robotics fields. This workshop, which is organized by the ISPRS working group III/3 in Antalya, Turkey, is the first of a series of ISPRS workshops that will be dedicated to image sequence analysis. The aim of the workshop is to present new methodologies, algorithms and applications related to the processing and understanding of image sequences used for a range of topics including but not limited to object tracking, ego-motion determination, monocular or stereoscopic mapping of the environment and detection of changes in land-cover/land-use mapping. The focus of the workshop lay on methodological research. It is held in conjunction with the ISPRS workshop on Laser Scanning and the ISPRS workshop on City Models, Roads, and Traffic Monitoring (CMRT13).

The workshop addresses researchers and practitioners from universities, research institutes, industry, government organizations, and private companies. The range of topics covered by the workshop is reflected by the terms of reference of ISPRS working group III/3 on Image Sequence Analysis. For the period 2012-2016, WG III/3 aims to promote the development of three main resolutions made in ISPRS Congress in Melbourne 2012:

1. Link with other communities such as computer vision and robotics;
2. Tackle the “Big Data” issue;
3. Work on data fusion such as fusion of Lidar and images.

Prospective authors were invited to submit full papers with a maximum length of 6 pages. We received 16 papers for review. The submitted papers were subject to a rigorous double blind peer review process. Based on the reviews, 9 papers were accepted. This corresponds to an acceptance rate of 56%. Each paper was reviewed at least by two members of the technical programme committee. The accepted papers were published as volume II-3/W2 of the ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial information science. All the accepted papers are oral presentations organized as a single track conference consisting of three sessions. The programme of ISA13 workshop features two keynotes by Prof. Konrad Schindler from ETH Zurich and Dr. Thomas Corpetti from University of Rennes.

Finally, the editors wish to thank all contributing authors and the members of the Scientific Committee. In addition, we like to express our thanks to the Local Organising Committee headed by Filiz Sunar, without whom this event could not have taken place. Last, but not least we would like to thank Mario Ebel and Katrin Krüger from Copernicus, who did not only help us in getting to know the Copernicus conference management system, but also put together the proceedings and the final program of the conference.

October 2013

Clément Mallet
Alper Yilmaz
Yury Vizilter
Michael Ying Yang

Scientific Committee of ISA13:

- Babak Ameri, GEOSYS Technology Solutions, Canada
- Costas Armenakis, York University, Canada
- Francesca Bovolo, University of Trento, Italy
- Anil Cheriyyadat, Oak Ridge National Laboratory, USA
- Alexey Chulichkov, Lomonosov Moscow State University, Russia
- Thomas Corpetti, Université Rennes 2-COSTEL, France
- Jason Corso, SUNY at Buffalo, USA
- Somayeh Dodge, The Ohio State University, USA
- Margarita Favorskaya, Siberian State Aerospace University, Russia
- Jürgen Gall, University of Bonn, Germany
- Valérie Gouet-Brunet, IGN, France
- Görres Grenzdörffer, Rostock University, Germany
- D.S. Guru, University of Mysore, India
- Isabelle Herlin, INRIA, France
- Pierre-Marc Jodoin, University of Sherbrooke, Canada
- Martin Lauer, Karlsruhe Institute of Technology (KIT), Germany
- Vincent Lepetit, EPFL, Switzerland
- Clément Mallet, MATIS Laboratory - IGN, France
- Helmut Mayer, Bundeswehr University Munich, Germany
- Chris Mc Glone, SAIC, USA
- Grégoire Mercier, Telecom-Bretagne, France
- Faisal Z. Qureshi, University of Ontario Institute of Technology, Canada
- Bodo Rosenhahn, Leibniz University of Hanover (LUH), Germany
- Petri Rönholm, Aalto University, Finland
- Vladislav Sergeev, IPSI, Russian Academy of Sciences, Russia
- Monika Sester, Leibniz University of Hanover (LUH), Germany
- B.H. Shekar, Mangalore University, India
- Bahman Soheilian, IGN, France
- Emmanuel Trouvé, Savoie University, France
- Yury Vizilter, State Research Institute of Aviation Systems - GosNIIAS, Russia
- Jan Dirk Wegner, ETH Zurich, Switzerland
- Andreas Wendel, Graz University of Technology, Austria / Google Inc., USA
- Stephan Winter, The University of Melbourne, Australia
- Michael Ying Yang, Leibniz University of Hanover (LUH), Germany
- Alper Yilmaz, The Ohio State University, USA
- Xiao Guang Zhou, Central South University, China