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JURSE 2011

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U. Stilla, P. Gamba, C. Juergens, D. Maktav

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Preface

JURSE 2011, the IEEE GRSS and ISPRS Joint Urban Remote Sensing Event was a double-track conference which was held in Munich, Germany, from April 11-13, 2011.

The idea to organize an international workshop on urban remote sensing, jointly sponsored by IEEE GRSS (Institute of Electrical and Electronic Engineers, Geoscience and Remote Sensing Society) and ISPRS (International Society for Photogrammetry and Remote Sensing) was put in practice for the first time by the GRSS/ISPRS Joint workshop on 'Remote sensing and data fusion over urban areas' (URBAN) held in Rome (2001). Editions of URBAN followed in Berlin (2003) and Tempe (2005). In parallel to these activities a series of workshops named 'Remote sensing of urban and suburban areas' (URS) were organized in Regensburg (1997, 2001, 2003), Istanbul (2002), and Tempe (2005). After the common workshop in Tempe (2005) the 4th GRSS/ISPRS Joint Workshop on 'Remote sensing and data fusion over urban areas (URBAN)' and the 6th International Symposium on 'Remote sensing of urban areas' (URS) were jointly held in Paris (2007). The meeting was named 'Joint Urban Remote Sensing Event' (JURSE). The last JURSE was held in Shanghai in 2009.

JURSE 2011 was organized by the conference chairs and the local organizing committee of the Department of Photogrammetry and Remote Sensing, Technische Universitaet Muenchen. The conference addressed researchers and practitioners from universities, research institutes, industry, mapping agencies, governmental organizations, and private companies. It discussed recent developments and trends on remote sensing for urban monitoring. The range of topics covers methodological work as well as application oriented case studies and is reflected by the terms of URBAN and URS:

- New data & sensors for urban area remote sensing
- Structure detection and characterization in urban areas
- Algorithms and techniques for remotely sensed data interpretation in urban areas
- Algorithms and techniques for urban area applications
- Urban climatology, geology, and geohazards
- Remote sensing applications to social science
- Remote sensing applications to urban planning and conservation
- Urban development and growth pattern
- Urban/periurban ecology

In order to support young researchers in the field of urban remote sensing, a student paper competition was embedded in JURSE 2011, being a wonderful occasion for young scientists to expose their work in this unique venue and be recognized for their value. Submitted student papers were evaluated and the best ones selected. The students of these papers were able to present their work in dedicated student prize sessions. In addition they received free registration for the conference as well as free hotel rooms close to the conference site. The three best papers were rewarded.

For further improvement of the scientific quality a full paper review was introduced for JURSE 2011 in Munich. Prospective authors were invited to submit full papers of a maximum length of 4 pages. We received 147 papers from 34 countries for peer review. Most papers were reviewed at least by three members of the program committee; papers for the student competition were reviewed by four peers. In total, 411 reviews were carried out by 44 reviewers.

Finally, 115 papers coming from 28 countries were included in the program which corresponds to an acceptance rate of 78%. From 27 papers submitted following the call for students 10 papers were considered for the oral student competition at the conference.

During the two-and-a-half days of the event there were one plenary session with 2 presentations, 9 sessions with altogether 45 oral presentations, 3 special sessions with 15 oral presentations, and 2 student paper sessions with 10 oral presentations. Additionally, in one poster session 47 posters were presented.

All presented papers will be published via IEEE Xplore (http://ieeexplore.ieee.org).
Finally, the conference chairs wish to thank all contributing authors, the members of the program committee, the session chairs, and the chairs and members of the local organizing committee. Ludwig Hoegner did a great job with the management of the web pages and the conference tool. The final word processing of all incoming manuscripts and the preparation of the proceedings by Michael Schmitt are gratefully acknowledged. Konrad Eder also did a great job being the conference treasurer and co-organizing the social events, and so did Stefan Gernhardt in caring for the technical equipment, Dorota Iwaszczuk in organizing accommodation and co-organizing the social events and Sebastian Tuttas caring for the local organizing committee assistants. We would also like to thank Christine Elmayer, Carsten Goetz, Wei Yao and Gabriele Aumann for their support to make JURSE 2011 a successful event.

Munich, April 2011

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