

## Preface

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Laser Scanning 2017 (LS 2017) is the tenth event of a series of biannual ISPRS workshops focusing on terrestrial, mobile, airborne and spaceborne laser scanning, thereby continuing a tradition that started back in 1999. The workshop brings together experts on acquiring, processing and applying point cloud data obtained by laser scanners and other active imaging systems in both indoor and outdoor environments. Topics include sensor calibration, data acquisition, and data processing steps such as registration, segmentation and classification, feature extraction and object detection. Also signal aspects such as intensity data and full waveform data and topics involving kinetic sensors and moving objects are covered.

The workshop is organized in conjunction with other workshops during the ISPRS Geospatial Week 2017 in Wuhan, China. Laser Scanning is strongly rooted in the ISPRS society. Four

different ISPRS working groups from two technical commissions have worked together in organizing this workshop: WG II/10, 3D Mapping for Environmental and Infrastructure Monitoring; WG II/3, Point Cloud Processing; WG II/4, 3D Scene Reconstruction and Analysis and WG III/6, Remote Sensing Data Fusion. Three further working groups have sponsored the workshop: WG III/1, Thematic Information Extraction; WG III/5, Information Extraction from LiDAR Intensity Data and III/6, Remote Sensing Data Fusion

45 full papers entered a double blind review process. Members of the scientific committee thoroughly read and commented on the papers, and authors received feedback from at least two and often three reviewers. Given the review results we were able to accept 21 papers for inclusion in the ISPRS Annals and 18 papers in the ISPRS Archives, while remaining contributions were either rejected or withdrawn. Selection in favor of ISPRS Annals was done based on the maturity of a manuscript as judged by both the reviewers and the organizing committee, but it should be noted that also the contributions that will appear in the ISPRS Archives contain some very interesting new ideas.

Finally, we wish to thank all authors for their contributions and all reviewers for their excellent job in evaluating the manuscripts. We look forward to the ISPRS Geospatial Week 2017, to the different oral and poster presentations in LS 2017, but also to the possibility to exchange ideas both within our workshop and with the presenters and visitors of the other workshops that together make the Geospatial Week.

#### **Organizing Committee, Laser Scanning 2017:**

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