

Preface: Workshop “Laser Scanning 2023”

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Laser scanning 2023 is the 12th workshop of a series of ISPRS workshops covering various aspects of space borne, airborne, mobile and terrestrial laser scanning in both indoor and outdoor environments. The workshop brings together experts focusing on applying and processing point cloud data acquired from laser scanners and other active 3D imaging systems, including terrestrial, mobile, aerial, unmanned-aerial and space-borne sensing platforms. Topics include all aspects related to sensor calibration, data acquisition and data processing including notably registration, feature extraction, object detection, 3D modelling, BIM and change analysis. The workshop is part of the ISPRS Geospatial Week 2023 in Cairo held in parallel with a number of related geospatial workshops. Laser Scanning is a central topic in the ISPRS community and is principally organized by the working group WG II/2, Point Cloud Generation and Processing.

The workshop has received a total of 30 submissions. Of those 12 were submitted to the ISPRS Annals and 18 to the ISPRS Archives. The scientific committee dedicated themselves to reviewing all submissions, with three reviewers assigned to every submission. This resulted in more than 70 reviews from which decisions were taken. The organizing committee accepted 21 submissions for the ISPRS Annals and ISPRS Archives. The oral track of the workshop is organized into four topics and one poster session. The four topics for the oral sessions are Forestry, Vegetation & Terrain, Registration & Close-Range Applications, Object Detection & Segmentation.

We wish to thank all authors for their contributions and all members of the scientific committee for their excellent job in reviewing the manuscripts.

Organizing Committee, Laser Scanning 2023

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Responsible Technical Commissions/ involved Working Groups:
ISPRS WG II/2