

## PREFACE – ISPRS WORKSHOP INDOOR 3D 2019

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Indoor 3D 2019 is the 4th event of a series of biannual ISPRS workshops focusing on research and developments in the area of indoor spatial information, aiming to promote international state-of-the-art research and facilitating dialogue on emerging topics. The Indoor 3D 2019 workshop brings together researchers, professionals and users from the academia and industry involved in indoor and outdoor mapping, positioning, tracking, navigation, 3D modeling, location-based services and mobility. Topics include Seamless indoor/outdoor 3D modelling and mapping, Indoor localization and route planning, visual positioning and SLAM methods in indoor environments, semantic parsing in indoor environments, indoor virtual/augmented reality, quality aspects and evaluation of indoor models.

The Indoor 3D workshop was organized in conjunction with other workshops during the ISPRS Geospatial Week 2019 in Enschede, The Netherlands, in cooperation with ISPRS WG I/6 (Multi-sensor Integration and Fusion), ISPRS WG I/7 (Mobile Mapping Technology), ISPRS ICWG I/IV (Robotics for Mapping and Modelling), and OGC IndoorGML Standards Working Group.

A total of 43 submissions was received by the workshop and entered the review process by the scientific and organizing committees: 29 abstract submissions and 14 full submissions. Given the review results, 34 submissions were accepted as contributions for presentation and inclusion in the proceedings, according to this division: 9 ISPRS Annals for oral presentation, 21 ISPRS Archives for oral presentation, and 3 ISPRS Archives for poster presentation. The selection in favor of ISPRS Annals publication was made based on the scientific originality and impact of the manuscript as judged by both the reviewers and the organizing committee. All submissions accepted for publication contain novelty and stimulating new scientific ideas. We wish to thank all the authors for their effort and contribution, and all the reviewers for their time, valuable comments and their inspiring help in evaluating the manuscripts, which contributed to the high quality of the papers presented in Indoor 3D 2019.

### Organizing Committee, Indoor 3D 2019

Zhizhong Kang, Kourosh Khoshelham, Lucía Díaz-Vilariño, Cheng Wang, Stephan Nebiker, Ville Lehtola, Kai-Wei Chiang, Ki-Joune Li, Bart De Lathouwer, Sagi Dalyot

### Scientific Committee, Indoor 3D 2019

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