

PREFACE

4th International Workshop on Geoinformation Science: GeoAdvances 2017 (ISPRS Workshop on Multi-dimensional & Multi-scale Spatial Data Modeling)

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This Workshop Proceedings volume contains the written versions of all the contributions presented during the 4th International Workshop on Geoinformation Science.

The workshop took place at Karabuk University, Safranbolu Campus, Conference Halls on October 14–15, 2017. The workshop provided a setting for discussing recent developments in a wide variety of topics including Geographical Information Systems (GIS), Spatial Data Infrastructure (SDI) Urban Planning, Architecture, Geology, Multi-dimensional & Multi-scale Spatial Data Modeling, Geostatistics, Location Based Services, Outdoor and indoor positioning, wayfinding and navigation, Smartphone-based positioning, Augmented and Virtual Reality, Building Information Modeling (BIM), Geomatics, GPS, GNSS, Remote Sensing, Pattern and Image Processing, Photogrammetry, GeoInformation for Mobile, Wearable Technologies and Wireless Sensor Networks, and Internet of Things technologies, and etc.

The Workshop has been a good opportunity for the more than 300 participants coming from all corners of the world to present and discuss topics in their respective research areas. The inclusion of our four tutorials regarding "how to" introduction to newly imported set of methods, to which many participants are interested in applying, on Network Analyses Applications, Android Apps using Google Maps, making Photo-Realistic Modelling of Building for GoogleEarth, and Interactive 3D modelling for VR have been highly appreciated. In addition, four keynote speakers presented latest achievements on their fields; Filip Biljecki "Level of Detail in 3D City Models", Alias Abdul-Rahman "Innovations in 3D Geo Information Systems", Sedat Bakici "SDI in Turkey and Extended Spatial Projects in Fraternal Countries by Turkish Government", Ihab Hamzi Hijazi "Cities and Information Architecture: Stocks and Flows and 3D City Models".

The 64 papers that were selected as a result of double-blind review process and presented during the workshop were accepted for the final publication in the ISPRS Annals as full papers.

We would like to thank all participants for their contributions to the Workshop program and for their contributions to these Proceedings. Many thanks go as well to the Turkish participants for their support and hospitality, which allowed all international participants to feel more at home.