

**Preface-ISPRS workshop on advanced geospatial applications for smart cities and regions (smartgeoapps 2019)**

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## PREFACE TO THE SMARTGEOAPPS WORKSHOP AT THE GEOSPATIAL WEEK 2019

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### Commission IV, WG IV/10

The “SmartGeoApps – Advanced Geospatial Applications for Smart Cities and Regions” workshop was organised in 2019 for the first time within the GeoSpatial Week series workshops. The overall goal of the SmartGeoApps workshop was to showcase how (geo)data can be used to foster the development of applications for Smart and Cities and Regions. The focus was therefore less on data acquisition phase *per se*, and more on data integration, harmonisation and usage in order to solve challenging problems at urban and regional scale. Particular (but not exclusive) attention was paid to semantic 3D city models, as their role as hubs of heterogeneous and integrated (spatial and non-spatial) information is steadily growing worldwide. Another goal of the event was to support sustainable, resilient and smart future cities. Authors were invited to submit papers dealing with:

- Systems of territorial intelligence
- Systems for city intelligent management (building, transportation, energy, etc.)
- 3D modelling of cities
- Monitoring systems
- Mobility and transportation
- Smart-city-wide telecommunications infrastructure
- Urban knowledge engineering
- Urban dashboard design and implementation
- New style of urban decision-making systems
- Geo-visualization devoted to urban problems
- Disaster management systems.

The workshop was hosted by the University of Twente, The Netherlands, in parallel with a number of other related geospatial workshops. The event was held as a single-day single-track workshop with oral presentations and poster sessions.

Eight full papers were originally submitted for a double-blind review process. Members of the scientific committee read and commented thoroughly on the papers, and authors received feedback from two or sometimes three reviewers. As a result of the review process, 2 papers were accepted for inclusion in the ISPRS Annals and 4 in the ISPRS Archives, while remaining contributions were either rejected or withdrawn.

Additionally, 31 abstracts were submitted for abstract-based review. As a result, 11 were accepted to be extended to full papers for inclusion in the ISPRS Archives, while the remaining contributions were either rejected or withdrawn.

As chairs of the SmartGeoApps workshop, we would like to express our gratitude to the authors for their contributions and to all reviewers of the scientific committee who actively contributed to evaluating the manuscripts with their excellent job. The latter are listed in alphabetical order in the following:

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- Jantien Stoter, Delft University of Technology, The Netherlands
- Chen Zhong, King’s College London, UK
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