Preface: Workshop "GeoHB 2023: Geo-Spatial Computing for Understanding Human Behaviours"

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Urban spaces have become complex, being shaped by diverse human behaviours. Therefore, the sustainability of development has faced various challenges ranging from pollution to equity in accessibility to activity spaces and opportunities. Using spatial big data and new computing technologies is an effective way to a better understanding of the interaction between individuals and urban environments, which would be beneficial to tackle urban challenges. GeoHB 2023 with its first edition focuses on new advanced technologies on spatial data representation and interoperability, geo-computation and -simulation, and GeoAI, which can harness human behaviour related spatial big data, discovering the mechanisms of the interaction between human behaviors and urban environments. The workshop benefits from the cooperating **ISPRS working groups:**

- **WG IV/1**: Spatial data representation and interoperability
- **WG IV/3**: Geo-computation and geo-simulation
- **ICWG IV/III/II**: Openness in Geospatial Science and Remote Sensing
- **WG IV/6:** Human Behaviour and Spatial Interaction

The workshop has received a total of 19 submissions including 2 to the ISPRS Annals and 17 to the ISPRS Archives. Together with the scientific committee, workshop co-chairs conduct a rigorous peer-review process with at least three reviewers assigned to every submission (more than 60 reviews in total), which leads to a decision to accept 12 submissions for the ISPRS Annals and ISPRS Archives (63% acceptance rate). The GeoHB 2023 workshop is featured with 3 oral presentation sessions and 1 poster session, followed by a lively and fruitful discussion.

We want to thank all authors for their contributions and all members of the scientific committee for their excellent work in the peer-review process. We hereby list the names of the **Scientific Committee** members as follows:

- Pawel Boguslawski, Wroclaw University of Environmental and Life Sciences, Poland
- Elisabetta Colucci, Politecnico di Torino, Italy
- Chen-Chieh Feng, National University of Singapore, Singapore
- Rui Zhu, Agency for Science, Technology and Research, Singapore
- James Haworth, University College London, UK
- Tao Jia, Wuhan University, China
- Xiao Li, University of Oxford, UK
- Chun Liu, Tongji University, China
- Xintao Liu, The Hong Kong Polytechnic University, China
- Francesca Noardo, Open Geospatial Consortium
- Azarakhsh Rafiee-Voermans, Delft University of Technology, Netherlands
- PWitold Rohm, Wroclaw University of Environmental and Life Sciences, Poland
- Shih-Lung Shaw, University of Tennessee, Knoxville, USA
- Katarzyna Sila-Nowicka, University of Auckland, New Zealand
- Noam Shoval, Hebrew University of Jerusalem, Israel
- Donggen Wang, The Hong Kong Baptist University, China
- Martin Werner, Technical University of Munich, Germany
- René Westerholt, Technical University of Dortmund, Germany
- Hangbin Wu, Tongji University, China
- Marco Minghini, European Commission – Joint Research Centre (JRC), Italy

In addition, we like to express our thanks to the ISPRS Geospatial Week for their excellent work and support to make this workshop a success. We hope to see you all in the future editions of GeoHB.

Editors:

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Responsible Technical Commissions/ involved Working Groups:
WG IV/1: Spatial data representation and interoperability
WG IV/3: Geo-computation and geo-simulation
ICWG IV/III/II: Openness in Geospatial Science and Remote Sensing
WG IV/6: Human Behaviour and Spatial Interaction