ISPRS Geospatial Week 2023

Geo-Spatial Computing for Understanding Human Behaviours (GeoHB2023)

September 2-7, 2023, Cairo, Egypt

Call for Papers

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. This workshop 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 behaviours and urban environments.

Themes of Event

Themes of event include, but are not limited to:
➢ Geo-computation and geo-simulation models for understanding human mobility patterns and underlying mechanisms of the interactions between human behaviours and urban environments
➢ Spatio-temporal data mining methods for uncovering human behaviour and its interactions with urban environments
➢ Knowledge-based geo-computation for reasoning human behaviour contexts
➢ GeoAI-based technique for sensing urban environments using spatio-temporal big data
➢ Computational methods for analysing individual and collective behaviour uncertainties within complex systems
➢ Geo-visualization and spatial representation methods of spatio-temporal big data on human mobility

Supporting 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

Organizing Committee

Wei Huang, Tongji University, China

Bi Yu Chen, Wuhan University, China

Filip Biljecki, NUS, Singapore

Yingwei Yan, NUS, Singapore

Yair Grinberger, HUJI, Israel

Hao Li, TUM, Germany

Important Dates

Annals (Full paper)

Submission: March 31, 2023

Author notification: May 1, 2023

Camera ready: June 1, 2023

Archieves (Abstract)

Submission: April 15, 2023

Author notification: May 15, 2023

Camera ready: June 1, 2023

Submission Website

➢ https://www.conftool.com/gsw2023/

➢ https://www2.isprs.org/commissions/comm4/wg6/events/geohb-2023/

For any questions and queries, please contact: wei_huang@tongji.edu.cn