

GeoHB2025: 2nd International Workshop on Geo-spatial Computing for
Understanding Human Behavior

Program Agenda

Day 1, November 15, 2025			
Zoom link: https://us02web.zoom.us/j/87625018115 (Passcode: 768654)			
Time	Event		Chair
8:00-8:20	Opening Ceremony	Opening Remarks	Wei Huang, Tongji University
8:20-8:30		Introduction to the Workshop	
8:30-9:30	Keynote	Title: Geosocial Sensing: Human Activity Patterns Empowered Traffic Event Detection Speaker: Songnian Li , Toronto Metropolitan University	Yingwei Yan, The National University of Singapore
9:30-10:30	Panel Session	Title: Global Urban Visual Perception Varies across Demographics and Personalities Speaker: Filip Biljecki , The National University of Singapore	Wei Huang, Tongji University
		Title: Exploring Human Activities in Cyber-physical Spaces Speaker: Xintao Liu , The Hong Kong Polytechnic University	
		Title: Enhancing Urban Trajectory Generation Using Graph Neural Networks and Inverse Reinforcement Learning Speaker: Yair Grinberger , The Hebrew University of Jerusalem	
10:30-10:45	Group Photo & Coffee Break		
10:45-11:00	Talk Session	Title: Understanding the Impact of Building Volume and Spatial Arrangement on People Flow Generation in Station Areas Speaker: Shun Nakayama , Senshu University	Xintao Liu, The Hong Kong Polytechnic University
11:00-11:15		Title: Development of 3D-GIS Platform through Integration of Typical and Atypical Height Information Speaker (student): Hironobu Kasuga , Keio University	
11:15-11:30		Title: BuildingSense: A New Multi-modal Building Function Benchmark Speaker (student): Pengxiang Su , Tongji University	
11:30-11:45		Title: Analyzing the Relationship between Streetscape Characteristics and Pedestrian Activity Patterns with Multi-modal Urban Data Speaker (student): Jiuli Zhang , Keio University	
11:45-12:00		Title: Human-Centered Perception and Mapping of Urban Unstructured Walking Environments Speaker (student): Chenghu He , Tongji University	
12:00-13:30	Lunch Break		
13:30-14:30	Keynote	Title: The Promise and Limits of Synthetic Human Mobility Data Speaker: Yang Yue , Hong Kong University of Science and Technology (Guangzhou)	Hao Li, The National University of Singapore
14:30-15:30		Title: GeoAI--the Evolution from Geospatial Information to Geospatiotemporal Intelligence Speaker: Wanglin Yan , Keio University	
15:30-15:45	Coffee Break		
15:45-16:00	Talk Session	Title: Uncovering Resource Allocation Considerations and Environmental Effects Driving Daily Mobility Patterns: A Time Geographic Analysis of the Tel Aviv and Jerusalem Travel Surveys Speaker (student): Michael Drogochinsky , The Hebrew University of Jerusalem	Yair Grinberger, The Hebrew University of Jerusalem
16:00-16:15		Title: Navigating Digital Cities: How Mobility and Spatial Context Mediate the Relationship Between Smartphone Fragmentation and Wellbeing Speaker (student): Noam Gal , The Hebrew University of Jerusalem	
16:15-16:30		Title: From Stops to Visitor Profiles: A Hidden Markov Model Approach to Tourist Behavior Typing - a Case Study in Hakone, Japan Speaker (student): Jianhao Shi , Keio University	
18:00-20:00	Gala Dinner		

Day 2, November 16, 2025			
Zoom link: https://us02web.zoom.us/j/82749672165 (Passcode: 989158)			
Time	Event		Chair
8:00-9:00	Keynote	Title: Intelligent Perception and Scene Cognition of Disaster Surveying with Quadruped Robotics Speaker: Chun Liu , Tongji University	Yair Grinberger, The Hebrew University of Jerusalem
9:00-10:00		Title: Multi Sensor Tracking for Understanding Human Behavior Speaker: Noam Shoval , The Hebrew University of Jerusalem	
10:00-10:15	Coffee Break		
10:15-10:30	Talk Session	Title: Traffic Usage Analysis of Road Intersections Using Floating Car Data Speaker: Hongchao Fan , Norwegian University of Science and Technology	Shishuo Xu, Beijing University of Civil Engineering and Architecture
10:30-10:45		Title: A Spatiotemporal Adaptive Local Search Method for Identifying Congestion Bottleneck and Propagation Pathway Speaker (student): Weihua Huan , The Hong Kong Polytechnic University	
10:45-11:00		Title: Understanding the Relationships Between Nature-based Solutions and Human Active Mobility: A Case Study of Bishan-Ang Mo Kio Park in Singapore Speaker: Sarah Wong , Singapore University of Technology and Design	
11:00-11:15		Title: Recording Dynamic Spaces to Study Localization and Behavioral Effects to Human Motion Speaker (student): Junyi Wei , Tongji University	
11:15-11:30		Title: Identifying Vulnerable Locations via WiFi Connection Data and Community Detection Speaker: Chen-Chieh Feng , The National University of Singapore	
11:30-11:45		Title: Is Retrieval-Augmented Generation Better than Few-shot Learning for Alignment? Evidence and Insights from Modeling Travel Satisfaction Speaker(student): Pengfei Xu , Hong Kong Baptist University	
11:45-12:00		Title: Assessment of Street Bikeability Driven by Multimodal Large Models with Geographical Context Information Speaker: Xingang Zhou , Tongji University	
12:00-13:30	Lunch Break		
13:30-14:30	Keynote	Title: Towards Human-oriented Built Environments Speaker: Sisi Zlatanova , University of New South Wales	Hangbin Wu, Tongji University
14:30-14:45	Talk Session	Title: Leveraging GeoAI and Cross-view Imagery for Rapid Disaster Response Speaker: Hao Li , The National University of Singapore	Hongchao Fan, Norwegian University of Science and Technology
14:45-15:00		Title: Local Events Prediction and Driving Factors Analysis Speaker (student): Jiahui Guo , Beijing University of Civil Engineering and Architecture	
15:00-15:15		Coffee Break	
15:15-15:30		Title: GeoAI-Driven Knowledge Extraction from Historical Texts: Reconstructing Human Mobility in Ancient China via Spatiotemporal Knowledge Graphs Speaker: Wenxuan Chen , Jiangsu Institute of Geological Survey	
15:30-15:45		Title: Mapping and Analyzing the Digital Environment Speaker: Amit Birenboim , The Hebrew University of Jerusalem	
15:45-16:45	Closing Ceremony		