

*Presenters in bold

Monday May 11	
Parallel sessions 1	
Parallel session 1.1 (10:30-12:00) Space: PIII (1st floor), Porthania Building	
Remote Sensing and Earth Observation I <i>Chair: Jussi Nikander, Aalto University</i>	
Nikolai Paukkonen	Detecting Disappearing Kurgans. Remote Sensing and the Sustainability of Yamnaya Heritage in Northeast Bulgaria
Yelyzaveta Pervysheva , Jari Nurmi, Simona Lohan	GNSS and GIS fusion for Autonomous robots
Johanness Jamaludin , Eric Lambin, Edward Webb	Benefits of Pixel Time Series over Post-Classification Comparison in analysing land change from increasingly dense land cover data
Juzheng Fan , Janne Heiskanen, Jani Vuolteenaho , Haoxuan Sa	Game-changers in Global Slum Detection? A Review of Remote Sensing for Assessing Complexity of Informal Settlements
Wanjing Yu , Aleksii Isoaho, Hannu Marttila, Aleksii Räsänen	Detecting vegetation patterns in rewetted peat extraction sites with multitemporal UAV imagery
Eduardo Soares Nascimento, Nelson Lemes Neto, Renan Américo Ribeiro de oliveira, Maurycio Rodrigues Oviedo Espinosa , Erivaldo Antonio da Silva	Integrated Multi-Sensor Framework for Continuous Surface Mapping in Keller Peninsula, King George Island.

Parallel session 1.2 (10:30-12:00) Space: P673 (6th floor), Porthania Building	
Urban Analytics and Sustainable Mobility Systems <i>Chair: Elias Willberg, University of Helsinki</i>	
Felix Hallikainen , Kamyar Hasanzadeh, Nora Fagerholm	The mediating role of travel attitudes in activity space characteristics
Elias Willberg , Robert Klein, Milad Malekzadeh, Tuuli Toivonen	Overcoming the trade-off between walking accessibility and green cover? Big data analysis of European cities

Blaise Nkubiyaho , Jenni Vilhelmiina Partanen, Najmeh Mozaffaree Pour	Spatial Analytics of Urban Food and Sustainable Mobility Systems: A Case Study of Tallinn, Estonia
Robert Klein , Elias Willberg, Silviya Korpilo, Tuuli Toivonen	A global framework to estimate urban spatial cycling patterns based on crowdsourced data
Kamyar Hasanzadeh , Silviya Korpilo, Robert Klein, Elias Willberg, Anna Kajosaari, Jussi Torkko, Tuuli Toivonen	Predicting the Feel of Active Urban Mobility

Tuesday May 12	
Parallel sessions 2	
Parallel session 2.1 (10:00-11:30) Space: PIII (1st floor), Porthania Building	
Urban Analytics: Person-Environment Interactions and Wellbeing <i>Chair: Kamyar Hasanzadeh, University of Helsinki</i>	
Taiyo Ishikawa , Marketta Kyttä, Tiina Rinne	The Role of the Built Environment in Supporting Social Interaction and Well-Being: A Geospatial Analysis Using Activity Space Models and PPGIS
Yanjun Fang , Felix Hallikainen, Marketta Kyttä, Tiina Rinne, Nora Fagerholm	15-minute city as a personal travel lifestyle- Utilizing PPGIS data to personalize the assessment of people's travel behavior and study the gap between possibilities provided by urban structures and actual travel
Marjo Seppänen , Kamyar Hasanzadeh, Maija Toivanen, Terhi Ala-Hulkko, Anna Kajosaari, Marketta Kyttä	Associations of environmental exposures with perceived health and quality of life: a comparison of activity space models
Heta-Maria Korkala	Prevalence of memory disorders and connections to socioeconomic factors in Finland from the perspective of health geography and geospatial research
Leyi Xu , Marjo Neuvonen, Liisa Tyrväinen, Tuuli Toivonen	Assessing visitor representation and spatial use of nature through the survey and social media data
Meng Xu , Ankit Kariryaa, Ulrik Schack, Hans Skov-Petersen	Calibrating Strava Metro data to estimate recreational use in nature

Parallel session 2.2 (10:00-11:30) Space: P674 (6th floor), Porthania Building	
Remote Sensing and Earth Observation II <i>Chair: Jussi Nikander, Aalto University</i>	
Samiksha Mehra , Pankaj Ramji Dhote, Vaibhav Garg	Satellite-Based Bathymetry and Volume Estimation of Glacial Lakes in North-western Himalaya
Riku Tarvainen , Kirsi Riekkö, Heikki Ovaskainen, Kalle Kärhä, Jukka Malinen	Identification methods of strip road trees from hpr data and spatial arrangement of the trees
Ludwig Strötzer , Tarmo Virtanen, Kaarina Weckström, Maija Heikkilä, Jan Weckström	Browning Lakes in a Greening Arctic: A Sediment- and Satellite-Based Circum-Arctic Synthesis
Osama Bin Shafaat, Heikki Kauhanen , Matti Vaaja	From Point Clouds to Digital Reality: Advancing 3D Remote Sensing for Urban Biomass Monitoring and Visualization
Yuan Hua , Mariana Campos, Hanna Sorokina, Eetu Puttonen, Yunsheng Wang	Assessing Management Induced Forest Biomass Dynamics Using Long Term EO Data from Multiple Satellites
Furkan Büyükkökanber , Mustafa Yanalak, Nebiye Musaoğlu	Improving Ship Detection in SAR Imagery: Effects of Denoising and Data Augmentation with YOLO11

Parallel sessions 3	
Parallel session 3.1 (11:40-13:00) Space: PIII (1st floor), Porthania Building	
Geospatial Perspectives on Biodiversity and Nature-Human Interactions <i>Chair: Tatu Leppämäki, University of Helsinki</i>	
Haozhong Si , Fan Yu, Changjian Fu Chi Xu, Zhongqiu Li, Enrico Di Minin	Feathered Icons: Drivers of Global Attention and Response to Conservation Status Updates
Saara Luukkonen , Aleksi Räsänen, Matti Koivula, Anne Tolvanen	Synergies and trade-offs between biodiversity and social acceptance in the spatial allocation of wind power
Jussi Lampinen , Minna Huovinen, Pasi Pouta, D. Johan Kotze	Historical maps for sustainability transformation - the case of grassland restoration in the Helsinki Metropolitan Area

Ninni Mikkonen , Niko Leikola, Tytti Kontula, Torsti Schulz	Spatial data on biodiversity for Regional Biodiversity Action Plans (ReBAPs)
Tatu Leppämäki	Phones to visits: applying and improving an off-the-shelf telecom product for visit counting in nature destinations across Finland

Parallel session 3.2 (11:30-13:00) Space: P674 (6th floor), Porthania Building	
Cartographic Perspectives: Mapping and Visual Synthesis <i>Chair: Pyry Kettunen, Finnish Geospatial Research Institute (FGI)</i>	
Enes Yilandiloğlu	Deep Mapping 18th-Century British Geographic Knowledge
Petri Kangassalo	3D Planning Support System for Regional Green Area Factor Analysis
Heli Ponto, Ville Santala, Juho-Pekka Virtanen	From Visualisations to Actionable Insights? The Role of Digital Twins in Climate Adaptation
Pyry Kettunen, Saana Järvinen, Anna Saarinen	Topobathymetric maps and their reading for understanding land-sea interactions

Parallel sessions 4	
Parallel session 4.1 (15:45-17:00) Space: PIII (1st floor), Porthania Building	
Emerging Technologies: From AI Chatbots to Deep Learning in GIScience <i>Chair: Milad Malekzadeh, University of Helsinki</i>	
Milad Malekzadeh	Saving Time Without Sacrificing Accuracy: Can AI Chatbots Support Citizens and Municipalities in Urban Information Services?
Yashi Wu, Lina Tang, Enrico Di Minin	Multimodal social media analysis reveals emotional diversity in responses to urban green spaces
Ying Qin, Rafiq Hamdi, Petri Pellikka, Janne Heiskanen, Tim Van de Voorde	Assessing Urban Heat Risks through Deep Learning-Based LCZ Mapping and Spatial Regression for Climate-Resilient Planning in High-Density Urban Agglomerations

Renan Américo Ribeiro de Oliveira, Maurycio Rodrigues Oviedo Espinosa , Nelson Lemes Neto, Eduardo Soares Nascimento, Mauricio Galo	Semantic Segmentation of Power Distribution Networks and Vegetation Using PointNet++ and MLS Data in a Brazilian city
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Parallel session 4.2 (15:45-17:00)
Space: P674 (6th floor), Porthania Building

Geospatial Platforms, Analytics, and Modelling for Real-World Applications
Chair: Oleksandr Karasov

Jonathan Jupke	PULSE: A dynamic and hierarchical Geoinformatics Framework for pan-European River Typologies
Sofia Peleli, Hajar Saad El Imanni , Noha Samir, Mohamed Gad	A Two-Level Flood Risk Framework in Arid Watersheds: Integrating GIS-Based Hazard Mapping with Hydrodynamic Inundation Modeling in the Bisha Basin (Saudi Arabia)
Liisa Vánttinen	Map service tools for sport facility GIS-database LIPAS: tools to foster equal accessibility to physical activity
Oleksandr Karasov , Usama Humayun, Henriikki Tenkanen	Modelling impact of the full-scale Russia's invasion on supply of cultural ecosystem services in Ukraine
Mikko Rönneberg , Pyry Kettunen	Designing concepts of social-ecological geospatial solutions for the European Digital Twin of the Ocean