AESOP Annual Congress
Integrated Planning in a World of Turbulence
Lodz, 11-15 July 2023

Track 2: Smart and Agile Planning: Smart Cities and Regions
Rooms 305 and 307, 3rd floor

Wednesday, July 12th

11:00-12:30, room 307

chair: Leticia Serrano

PSS & Geodesign	
#459	Make the plan data flow! Co-developing the semantic interoperability of plan data with municipalities and software providers in Finland [**Nummi**]
#690	The Role of drift in embedding planning support systems (PSS) in practice: The Spatial Development Framework (SDF) methodology [**Oyeku et al.**]
#704	GIS-Based Decision Support Tool for Evidence-Based Policy Making for Biodiversity Protection [**Husar et al.**]
#1000	Smart tools and management methods for improvements of effectiveness in integrated urban planning for sustainable development [**Sikora-Fernandez et al.**]
#439	Evaluation models: from methodology to practice [**Campagna**]

13:30-15:00, room 307

chair: Iwona Sagan

Urban Analyses (1)	
#448	A new typology analysis of mass housing projects in Europe; Introducing the results of an analysis of 34 middle-class mass housing case studies [**Shach-Pinsly et al.**]
#449	European Middle-Class Mass-Housing: A tool to develop neighbourhood data analysis [**Shach-Pinsly et al.**]
#1020	RUDIFUN dataset on Spatial densities and mixed use [**Harbers**]
#645	Error: 'Green Infrastructure' not readable: About the function and development of a data standard for digital Landscape Planning [**Taiber**]

15:30-17:00, room 307

chair: Michele Campagna

	Social Media & Big Data
#176	WeChat matters: how digital relations influence social network inclusion of construction migrant workers in China [**Feng et al.**]
#710	Measuring urban perception with social media data [**Obracht-Prondzyńska et al.**]
#838	Towards resilient mobility: assessing light rail transit stops and surrounding urban areas through user-generated data [**Serrano-estrada et al.**]
#707	Platform capitalism and urban mobility: a look at alternative applications in Brazil [**Rocha Faria Jorge**]
#990	Research on the regional spatial structure and characteristics from the space of flows perspective based on big data: – take Guizhou province in China as an example [**Zhang et al.**]

15:30-17:00, room 305

chair: Tomas Donadio

	Participation
#125	Hybrid spheres of participation. Engagement and mobilization through digital means [**Pacchi et al.**]
#302	XR-Participation-Spaces – New Opportunities of Citizen Participation in City Planning? Case Studies Mannheim and Rostock, Germany [**Sinning et al.**]
#245	Citizen implication and participation in Japanese Smart Community Energy Management [**Bennis**]

Thursday, July 13th

09:00-10:30, room 307

chair: SaeBon Song

Augmented Reality, Digital Models, Participation	
#909	Participatory Space Design: How the 'Urban Digital Twin' model produces a Co-Production Space [**Yossef Ravid**]
#228	Augmented Reality and Citizen Participation: Digital Innovations of Participatory Planning [**Sievers et al.**]
#596	Urban hubs, participation, citizen science and digital tools: Pathways to more sustainable and democratic urban quarters [**Dembski et al.**]
#405	Understanding the small for planning the whole: predicting commercial land use to assist in scenario building using cellular automata and volunteered geographic information [**Colaco et al.**]

11:00-12:30, room 307

chair: Iwona Sagan

Smart Cities (1)	
#619	From Policy to Practice: Reflecting the socio-technical evolution of open data initiatives through institutional configurations in Berlin, Seoul, and Surat [**Song et al.**]
#226	Smart City Kusel – the digital transformation for / of regional development in rural regions [**Weber et al.**]
#606	The Smart City Ecosystems - Analysing and designing digital systems in municipalities [**Koch et al.**]
#298	Validating geospatial open government data and "potential profile"-models for urban inward development scenarios in Vienna [**Bindreiter et al.**]
#989	Exploring the Role of Smart City Strategies in Fostering Sustainable and Inclusive Development in India: A Comparative Study of Indore and Satna [**Singh**]

13:30-15:00, room 307

chair: Paulo Silva

GIS & Artificial Intelligence	
#482	Identify Parameters for Developing a Model to Evaluate Urban Open Spaces Using Deep Learning [**Gravitz-Sela et al.**]
#927	Planning and Monitoring Services of General Interest with Web GIS: Which Indicators are Relevant for Planning Practice? [**Seisenberger et al.**]
#300	Digital Tools and their role in Spatial Transformation – Developing a Research Frame for Comparative Analysis [**Pauly et al.**]
#727	Method for Refined Function Zoning Prediction of Tourist Town Urban Design Based on Big Data and Conditional GAN [**Xu et al.**]

15:30-17:00, room 307

chair: Tomas Donadio

Urban Analyses (2)	
#777	Beyond Visualisation of Big Data: Towards Dynamic Data-driven City Planning in Singapore [**Trivic et al.**]
#851	Commuter connection network in Shanghai metropolitan Area from the perspective of different travel frequency [**Guo**]
#556	Knowing is Not Enough: New York City's Vision Zero Initiative and the Challenges of Urban Data Governance [**Goldstein et al.**]
#196	Envisioning Rural Landscape in the Digital Age: Digital Agriculture and Landscape [**Huang**]

15:30-17:00, room 305

chair: Milan Husar

Pandemic & Planning	
#243	Towards community-health planning: Compliance and the social space of cities under Covid-19 regulations [**Israel et al.**]
#234	Do residents prefer experiential consumption in the post-epidemic era? An exploration of the decay pattern of residents' consumption travel based on Spatiotemporal location data [**Kang**]

#340	COVID-19 and the rise of digital planning: fast and slow adoption of a digital planning system [**Wilson et al.**]

09:00-10:30, room 307

chair: Michele Campagna

Smart Cities (2)	
#173	Empirical Perspectives in Smart Cities: Understanding Complex Viewpoints in Smart Sustainable Cities from the Experience of Suzhou, China [**Kim et al.**]
#966	When the Smart City meets the Real City: The Innovation District of Beersheba, Israel [**Mandelbaum**]
#974	A Planning and Urban Development Perspective on Digital Sovereignty - Diverging digital values in cities [**Unger**]
#546	The Influence of Information and Communication Technology on the Transformation of Industrial Space in Hsinchu Science Parks [**Chen**]
#941	A multicriteria evaluation of local e-government in terms of citizen satisfaction [**Valadares Tavares et al.**]
#606	The Smart City Ecosystems - Analysing and designing digital systems in municipalities [**Koch et al.**]

11:00-12:30, room 307

chair: Tomas Donadio

Housing & Energy	
#367	How to support affordability and sustainability of Housing? Set of tools applicable via strategic plans of cities [**Dobrucká**]
#543	Digital disruption in urban planning: A methodology for understanding platform real estate [**Bossuyt et al.**]
#233	SmartQuarter+. Challenges of strategic visualisation of holistic spatial energy models [**Bindreiter et al.**]
#63	Probing Role of Perception in the Mass Housing Market of Delhi: A Social Media-Based Approach in Urban Studies [**Agnihotri et al.**]
#747	Understanding the Dynamic Relationship between Energy Use and Socioeconomic Changes in Urban Residential Communities [**Kim et al.**]

13:30-15:00, room 307

chair: Michele Campagna

	Smart Cities (3)
#59	Identifying Decisive Planning Strategies for Smart Cities: Indian Scenario [**Sanyal**]
#431	Spatial Dynamics of Creative Industries: The Case of Computer Programming Sector in Ankara/Turkey [**Durmaz**]
#451	The Entrepreneurial Shadow State delivering a Smart City [**Akhtar**]
#1021	The way to a smart new urban agenda? Spatial planning and 'basic smart city' approaches in China and the UK [**Stevens**]
#154	Residential LUDs swarming the city: the digital political power of new high-rise neighborhoods [**Gershon Coneal et al.**]