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*Future horizons for urban form:
disruption, continuity, expansion, and
reverberation.*

São Paulo, Brazil

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1.ABOUT ISUF

ABOUT ISUF

ISUF constitution and leadership

ISUF's aim is the international and interdisciplinary sharing of ideas, methods and findings concerned with urban form.

Beginning in 1994 with the coming together of some 20 architects, geographers, planners and historians, representing four different language areas, it now has some 600 individual and institutional members from about 50 countries.

The activities of ISUF are governed by its Council, composed of Officers and elected members, which meets once a year to review the association's business.

The general activities of the association are coordinated by its Executive Committee, constituted by the President, Secretary-General, Treasurer, 'Urban Morphology' Editor and Coordinator of the Regional Networks.

The publication of the association's journal is in the hands of an Editor, two Associate Editors, two Assistant Editors, an Editorial Assistant and an Editorial Board. Special projects are coordinated by the chairs and secretaries of various Commissions and Working Parties. All administrative positions in the organization are honorary and unpaid.

For more information
access the site:





Prompting Urban Morphology: Testing the Application of Artificial Intelligence in Decoding Urban Patterns of Spa Settlements

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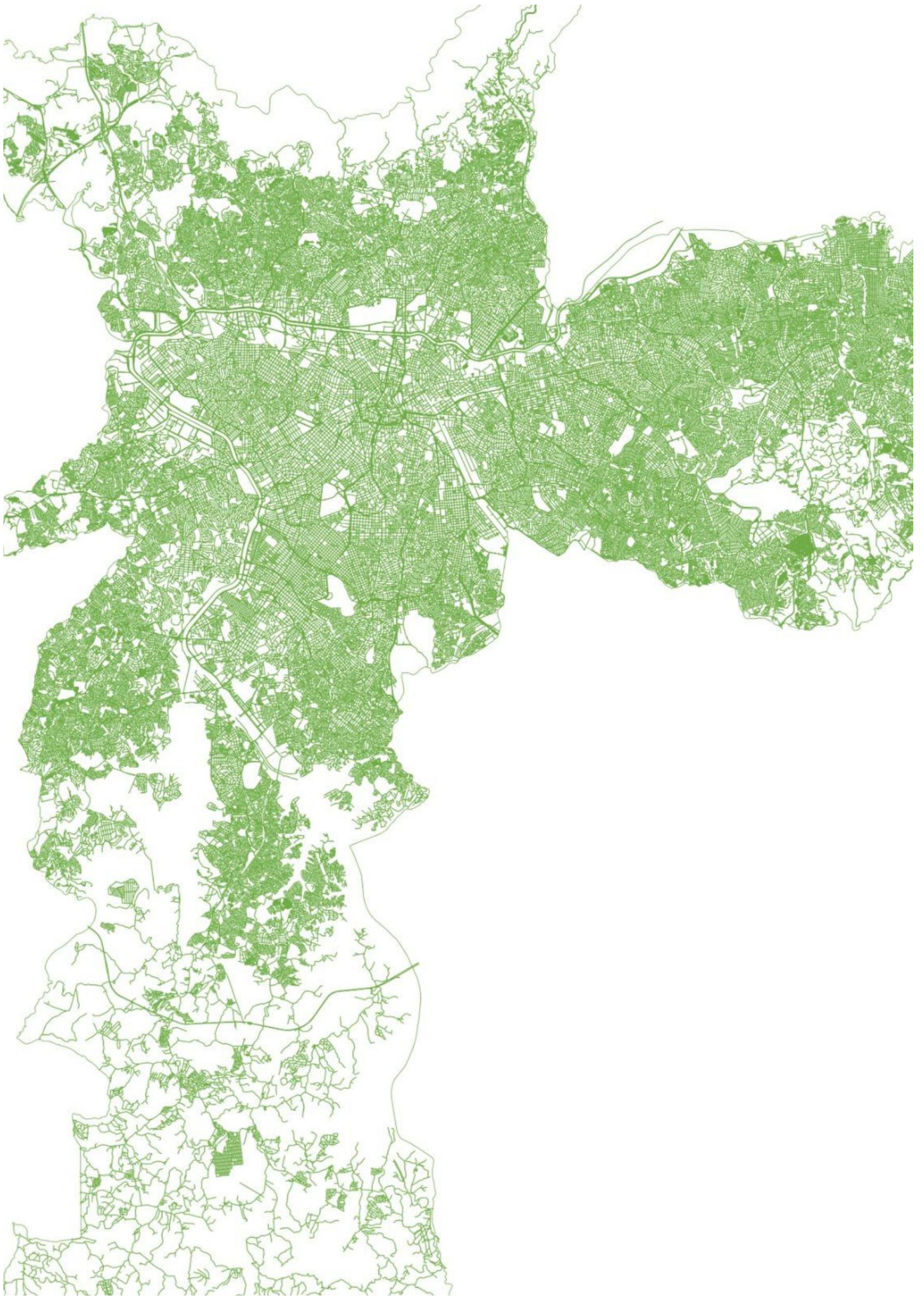
ABSTRACT

The article addresses the notion of emerging artificial intelligence-based practices and tools for research of urban form and decoding of urban patterns. The main objective of the research is to investigate the application of artificial intelligence in searching for health promoting urban patterns (HPUP) within the observatory framework of spa settlements in Serbia through questioning: (1) what are the main morphological features of HPUP, and (2) what are the ways of visualizing them? To address research questions, the research engages generative artificial intelligence program and service Midjourney which generates images from natural language descriptions (prompts) following three steps: (1) prompts definition – structuring the criteria matrix for HPUP definition, (2) images generation – variation and modification of generated images, and (3) evaluation – critical analysis of generated images through reflecting on initially defined prompts. The main findings of the research are two-fold: (1) criteria matrix for HPUP definition and urban patterns prompting, and (2) classified and visualized HPUP for spa settlements. This research is implemented in a framework of scientific project SPATTERN (“Future Heritage of Spa Settlements Digital Platform for Advancing Knowledge and Innovation in Urban Morphology Approach for Environmentally-Sensitive Development in Serbia”) funded by Science Fund of the Republic of Serbia, and tends to enable both identification and classification of locally specific HPUP (elements and relations) important for enhancing environmental sensitivity at all spatial levels (from landscapes to details) within spa settlements in Serbia, and development of methodological approaches for processing and visualizing these urban patterns towards affirmation of cultures of healthy living.

Keywords: spa settlements, urban patterns, artificial intelligence, tools, future heritage

Theme: Reverberation: teaching, research, and practice

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