Special Issue

AI-Based Spatial Planning and Analysis

Message from the Guest Editors

The artificial intelligence technological advances in urban environments provide significant prospects for innovation and effectiveness in spatial planning and management, ultimately contributing to a sustainable urban future. With the increasing complexity of cities, there is a growing demand for sophisticated tools to evaluate, anticipate, and optimize urban systems. Artificial intelligence, with its capacity to effectively handle and comprehend vast quantities of data and acquire knowledge, is becoming a transformative power in urban planning and analysis.

Urban planners may now efficiently evaluate large quantities of geospatial and temporal data using advanced technologies like machine learning and natural language processing. This empowers them to address complex urban issues in novel ways, including climate change adaptation, social justice, and resource optimization, with enhanced accuracy and foresight.

This Special Issue explores the intersection of artificial intelligence and spatial planning, contributing to the ongoing discussion on smart cities, sustainable urban development, and the impact of technology on our living environment.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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