Special Issue

Recent Advances of Urban Development Scenarios Simulation Using Remote Sensing and GIS

Message from the Guest Editors

Urban growth is a spatial and social evolutionary process associated with urban spatial changes, shifts in people's lifestyles, and demographic changes. Urban development scenario simulation plays a significant role in urban planning and management. The increasing advances in remote sensing (RS) and geographic information system (GIS) technology are changing people's understanding of urban development. GIS can integrate spatial data from different sources as the input data for urban development simulation, and RS obtains information regarding dynamic urban changes in a high spatial and temporal resolution. Recently, various models and methods have been employed to predict the urban growth process, such as linear regression models, cellular automata models, system dynamics models, etc. In addition, a series of remote sensing images, including nighttime light (NTL) data, light detection and ranging (LIDAR) data, Landsat Thematic Mapper (TM)/Operational Land Imager and Thermal Infrared Sensor (OLI-TIRS) data, etc., have brought unique perspectives and opportunities for urban simulation research.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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