

**SPECIAL ISSUE ON CITY GEOSPATIAL GOVERNANCE
BASED ON REMOTE SENSING, GEOGRAPHIC INFORMATION SCIENCE
AND GLOBAL NAVIGATION SATELLITE SYSTEM: PART 1**

PREFACE



The development of cities has had a profound impact on the national and global economy. With the rapid development of cities, the serious shortage of living space, the serious lack of resource reserves, and uneven development have gradually become hot issues in recent years. The combined use of geographic information science (GIS) with intelligent sensors, remote sensing (RS), the Global Navigation Satellite System (GNSS), artificial intelligence, 5G, spatiotemporal big data, and other technologies has greatly improved the ability to analyze and research the current situation and development trends of city geospatial governance and for use in related applications. These technologies can efficiently obtain multi-type and multi-attribute data, such as meteorological, ecological, resource, economic, and transportation data, using different intelligent sensors and also provide accurate basic data for urban governance and monitoring.



This special issue highlights the contribution and application of multi-sensor data, RS technology, and GIS in the spatial governance of megacities. Part 1 of this special issue contains eight papers, which focus on changes in urban land use, climate change, urban planning, and other aspects of theoretical and analytical research, which can provide a theoretical and practical basis for urban green development, planning, and management. This special issue can provide many useful practical methods based on geographic information technology for urban planning and green development.

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