SPECIAL ISSUE ON GEOMATICS TECHNOLOGIES FOR THE REALIZATION OF SMART CITIES

PREFACE

As urbanization accelerates and the challenges of managing urban environments intensify, the concept of smart cities has gained significant traction worldwide. In this context, geomatics and sensor technologies have emerged as indispensable tools in the construction and management of smart cities. This special issue, entitled "Advancing Smart Cities: The Role of Geomatics and Sensor Technologies in Urban Development", aims to underscore the crucial role that geomatics plays in enhancing urban resource management and promoting sustainable development.

We are proud to present a collection of scholarly articles that focus on innovative applications of geomatics, such as high-definition (HD) mapping, indoor and outdoor navigation, environmental monitoring, scene understanding, and urban transportation big data analysis. Each contribution has been carefully curated to highlight both theoretical frameworks and experimental studies that illustrate the integration of these technologies into urban planning and infrastructure management.

By leveraging advanced tools, including artificial intelligence and big data analytics, geomatics facilitates the creation of smart urban environments that are not only efficient but also resilient. We invite researchers and practitioners to explore these transformative technologies and share their insights on how they can improve our cities' operations and sustainability.

As guest editors of this special issue, we extend our sincere gratitude to all contributors and reviewers for their invaluable efforts in shaping this discourse. Together, let us pave the way toward smarter, more sustainable urban living.

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