

Special Issue

Digital Twins and Artificial Intelligence for Smart Cities of the Sustainable Future

Message from the Guest Editor

This Special Issue aims to explore innovative applications of digital twins and AI in urban environments, addressing key challenges in urban planning, infrastructure optimization, real-time monitoring, and data-driven decision-making to achieve sustainable urban development. Urban Digital Twins: exploring digital twin models for real-time monitoring, predictive maintenance, and enhanced decision-making in city management. AI for Smart Cities: investigating AI applications in traffic optimization, energy efficiency, environmental monitoring, and public service automation. Sustainability and Resilience: examining how AI and digital twins can support climate resilience, disaster response, and resource optimization to promote long-term urban sustainability. IoT and Big Data: highlighting the role of IoT sensors and big data analytics in enabling intelligent urban infrastructure and improving service delivery. Human-Centric Smart Cities: addressing ethical considerations, privacy concerns, and user-centered design for inclusive and responsible AI-powered urban solutions.

Guest Editor

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Message from the Editor-in-Chief

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