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Circular Cities and Buildings: Social, Technical and Digital Innovation for Planning and Design

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Deadline for manuscript submissions:
closed (20 February 2024)

Message from the Guest Editors

This Special Issue aims to explore the challenges and opportunities of circularity in cities, and acknowledges that implications for urban spatial and policy strategies are likely to require cross-disciplinary understanding. As such, contributions from experts in diverse fields, including articles on new circular models and typologies that demonstrate social, environmental and economic sustainability, are anticipated.

The Special Issue welcomes papers that focus on the intersection of material flows, technological developments, and social practices in order to advance our understanding of circularity as a means by which to achieve sustainable urban development. The findings presented in this Special Issue are expected to have implications for practitioners, policymakers, and researchers alike, and serve as a valuable resource for advancing circularity in urban contexts.

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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