Special Issue

Renewal Design and Challenge of Urban and Rural Livable Environments in the Age of Population Shrinkage

Message from the Guest Editors

Many countries and regions around the world are experiencing shrinking populations, due to aging and lower numbers of children, and urban and rural development is facing unprecedented challenges and opportunities. Population contraction not only affects the sustainable development of the economy and society, but also puts forward new requirements for urban and rural spatial structures, allocation of public service facilities, and protection of ecological environments and traditional culture. Therefore, how to put forward appropriate coping methods and strategies in the age of shrinking populations has become a critical issue. This Special Issue aims to compile the state-of-the-art knowledge on this matter. Submissions may concern theoretical or applied research in areas such as spatial environments of urban and rural areas, public service facilities, traditional architecture and culture, or other fields on the demand for urban and rural renewal. Moreover, experimental work resulting in research articles, case studies, and comprehensive review articles is suitable for publication.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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