



Novel Trends in Urban Planning for Building Urban Resilience

Guest Editors:

Prof. Dr. Steffen Lehmann

Urban Futures Laboratory,
School of Architecture, The
University of Nevada, Las Vegas,
NV 89154, USA

Dr. Monika Szopinska-Mularz

Department of Architectural
Design and Engineering Graphics,
Faculty of Civil and
Environmental Engineering and
Architecture, Rzeszow University
of Technology, Poznanska 2, 35-
084 Rzeszow, Poland

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Message from the Guest Editors

This Special Issue aims to provide an overview of existing knowledge on novel trends in urban planning for building social, economic, and environmental resilience in cities of various scales and densities. Original research (experimental and theoretical), case studies, and comprehensive review papers are invited for submission. Relevant papers include urban planning solutions, actions, and future-oriented scenarios focused on enhancing urban resilience through:

- Governance and multilevel collaborations to confront future disruptions;
- Strengthening community resilience;
- Developing optimal compactness, density, and mixed land use;
- Innovative technologies and digitalisation in urban planning for a better urban life;
- Regenerative urban design for climate change mitigation, adaptation, and health;
- Nature-based solutions and biodiversity improvement for increasing resilience against climate change, extreme weather events, and disease transmission;
- Urban–rural interlinkages in urban planning and decision-making practices;
- Strategies and guidance to reduce adverse impacts of past planning decisions.



Editor-in-Chief

Prof. Dr. David Arditi

Construction Engineering and
Management Program,
Department of Civil,
Architectural, and Environmental
Engineering, Illinois Institute of
Technology, 3201 South
Dearborn Street, Chicago, IL
60616, USA

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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Buildings Editorial Office
MDPI, St. Alban-Anlage 66
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