



## Strategic Planning and Control in Complex Project Management

Guest Editors:

**Dr. Wenxin Shen**

Department of Construction Management, School of Economics and Management, Beijing Jiaotong University, Beijing 100044, China

**Prof. Dr. Wenzhe Tang**

State Key Laboratory of Hydrosience and Engineering, Institute of Project Management and Construction Technology, Tsinghua University, Beijing 100084, China

**Dr. Jin Xue**

John Grill Institute for Project Leadership, School of Project Management, The University of Sydney, 21 Ross Street, Forest Lodge, NSW 2037, Australia

Deadline for manuscript submissions:

**30 December 2024**



### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to publish research related to innovative theories, approaches, or practices for improving planning and control in complex projects/programs/portfolios. Multi-disciplinary research is essential in this area due to the inherent complexity and challenges associated with managing large-scale projects.

Original theoretical and experimental work, case studies, and comprehensive review papers are invited. Relevant topics to this Special Issue include but are not limited to the following subjects:

- Strategic alignment between projects in megaproject/program/portfolio contexts;
- Innovative approaches in strategic planning and control in complex projects;
- Risk management for planning and control in complex projects;
- Interface management in complex projects/programs/portfolios;
- Stakeholder engagement in project planning and control;
- The creation and exploitation of different competencies in strategic planning;
- Strategic project planning and control under climate change;
- The use of information technologies in strategic planning and control.



## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Civil*) / CiteScore - Q1 (Architecture)

## Contact Us

---

Buildings Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/buildings  
buildings@mdpi.com  
X@Buildings\_MDPI