buildings

an Open Access Journal by MDPI

COVERED BY EMERGING SOURCES CITATION INDEX CLARIVATE ANALYTICS

CITESCORE 2.26 SCOPUS

# Advanced Methods for Structural Rehabilitation

Guest Editors:

**Prof. Dr. Alessandra Aprile**
Department of Engineering, University of Ferrara, Ferrara, Italy

alessandra.aprile@unife.it

**Prof. Dr. Giorgio Monti**
Department of Structural and Geotechnical Engineering, Sapienza University of Rome, Rome, Italy

giorgio.monti@uniroma1.it

Deadline for manuscript submissions:
**15 February 2021**

## Message from the Guest Editors

Dear Colleagues,

Structural safety upgrade has become an urgent global need due to both widespread construction obsolescence and more stringent construction code requirements, especially in earthquake-prone areas. Increasing economic resources are employed for structural rehabilitation of existing structures, urging reaserchers in the academic world towards the development and investigation of advanced retrofitting and strengthening techniques that are efficient and affordable.

The objective of this Special Issue is to collect innovative research studies on advanced methods for structural rehabilitation of buildings. Innovative experimental, analytical, and numerical studies, new design methods and case studies, applications to real cases, state-of-the-art reports, and other original research findings are invited. For this Special Issue, we are particularly interested in inviting papers focusing on: (i) strengthening with FRP-based techinques of RC members, (ii) strengthening with FRM, TRM and FRCM of masonry walls, (iii) new strengthening materials and techniques, (iv) seismic protection devices, (v) protection of non-structural elements, (vi) cost–benefit analysis, (vii) conceptual design, and (viii) new developments in code making.

Prof. Dr. Alessandra Aprile
Prof. Dr. Giorgio Monti
*Guest Editors*

mdpi.com/si/51389

# buildings

an Open Access Journal by MDPI

COVERED BY EMERGING SOURCES CITATION INDEX CLARIVATE ANALYTICS
CITESCORE 2.26 SCOPUS

## 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 in the Emerging Sources Citation Index (ESCI - Web of Science), Scopus and Inspec (IET).

**Rapid Publication:** manuscripts are peer-reviewed and a first decision provided to authors approximately 14.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2019).

## Contact Us

*Buildings*
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/buildings
buildings@mdpi.com
@Buildings_MDPI