Special Issue

Composite Systems for Strengthening and Rehabilitation of Concrete and Masonry Structures

Message from the Guest Editors

The development of alternative techniques for the strengthening and rehabilitation of concrete and masonry structures is of critical importance to the safety and preservation of the world's civil infrastructures. Composite materials are playing an increasingly important role in this context, because of their many advantages over steel and other conventional materials. In particular, composite materials include both organic-based systems, such as FRP (fiber-reinforced polymer), mainly used for the reinforcement of concrete structures, and the most recent inorganic-based systems, including FRCM (fabric-reinforced cementitious matrix), CRM (composite-reinforced mortar), and TRM (textile-reinforced mortar), more suitable and compatible with masonry.

Guest Editors

Dr. Jacopo Donnini

Department of Materials, Environmental Sciences and Urban Planning, Marche Polytechnic University, 60131 Ancona, Italy

Dr. Simone Spagnuolo

Department of Civil Engineering and Computer Science Engineering (DICII) - Tunneling Engineering Research Centre (TERC), University of Rome Tor Vergata, 00133 Rome, Italy

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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