**Textile Reinforced Cement Composites: New Insights in Structural and Material Engineering**

**Guest Editors:**

**Prof. Dr. Jan Wastiels**
Vrije Universiteit Brussel, dept. Mechanics of Materials and Constructions (MEMC), Pleinlaan 2, 1050 Brussel, Belgium
jan.wastiels@vub.be

**Prof. Dr. Tine Tysmans**
Vrije Universiteit Brussel, dept. Mechanics of Materials and Constructions (MEMC), Pleinlaan 2, 1050 Brussel, Belgium
ttymsmans@vub.ac.be

**Deadline for manuscript submissions:**
closed (31 March 2019)

**Message from the Guest Editors**

This Special Issue welcomes new contributions in the field of textile-reinforced cement composites. These materials include cementitious matrix materials reinforced by fibre textiles (textile-reinforced concrete, textile-reinforced mortar, etc.) in such a way that they show strain hardening behavior under tensile loading. We include investigations on material, component and structural level.

Topics of interest include, but are not limited to:

- Material composition, characterisation and design
- Mechanical testing on the macro-scale (e.g. static, fatigue, impact, fire) and the micro/meso-scale (e.g. bonds)
- Analytical and numerical methods for modelling, simulation and prediction
- Design guidelines
- Innovative applications and case studies (incl. strengthening, retrofitting and repair, new structures, hybrid structures, …)
- Durability, LCA, LCC studies
- Manufacturing processes, quality control and evaluation

[mdpi.com/si/18041](https://mdpi.com/si/18041)