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Numerical Modeling and Mechanical Properties of Fiber-Reinforced Cementitious Composites

Guest Editors:

Dr. Juntao Zhu
School of Hydraulic and Civil Engineering, Zhengzhou University, Zhengzhou 450001, Henan

Dr. Ke Li
School of Hydraulic and Civil Engineering, Zhengzhou University, Zhengzhou 450001, Henan

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Message from the Guest Editors

Numerical modeling and mechanical properties of fiber-reinforced cementitious composites (FRCCs) are always attractive research topics. This Special Issue provides an informative and stimulating forum to promote academic communications on this challenging topic, focusing on the development and applications of numerical and experimental methods, and algorithms for simulating and analyzing mechanical properties of FRCCs and structures made of FRCCs.

Original research papers and review articles with a focus on the numerical modeling and mechanical properties of FRCCs tailored for engineering applications are encouraged to be submitted. Topics can include, but are not limited to, the following: experimental and numerical analyses of mechanical properties of FRCCs and structures; durability of FRCCs and structures in harsh environments; the fatigue performance of FRCCs and structures; the 3D printing of FRCCs; the dynamic performance of FRCCs and structures; and multiscale models and methods for the deformation and failure analysis of FRCCs and structures.

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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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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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