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Study on Crack Resistance of Concrete

Guest Editor:

Dr. Weiting Xu
School of Materials Science and Engineering, South China University of Technology, Guangzhou 510641, China

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closed (20 November 2023)

Message from the Guest Editor

Concrete cracking is a crucial factor that threatens the durability and strength of concrete. Cracking resistance of concrete is influenced by many factors, such as mechanical properties, temperature process, autogenous shrinkage, restrained stress, and creep, etc. The study of crack resistance of concrete is of great significance to its wide application. This Special Issue focuses on, but is not limited to, the research on the cracking resistance of ordinary Portland cement concrete, the relationship between the cracking mechanism and performance of some types of concrete such as alkali-activated cement concrete, fiber or steel reinforced concrete.

It is my pleasure to invite you to contribute to the Special Issue “Study on Crack Resistance of Concrete”. Full papers, communications, discussions, and reviews related to induction factors of concrete cracking and concrete properties, microscopic formation mechanism of concrete cracking, concrete crack recognition and extraction technology, numerical simulation study of concrete cracking, and materials, NDT and monitoring aspects of resistance and maintenance of concrete cracks or defects are welcomed.

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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

Message from the Editor-in-Chief

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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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𝕏@Materials_Mdpi