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High Performance Fiber-Reinforced Cementitious Composites

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Message from the Guest Editors

High-performance fiber-reinforced cementtitious composites (HPFRCC) are a new category of fiber-reinforced concrete and have attracted a great deal of attention in both research and applications in recent years. HPFRCC is featured with multiple cracking, strain hardening, and higher strain capacity at peak stress. Due to its excellent mechanical and miscrostrcutural properteis, HPFRCC has great potential for use both in new construction of concrete structures for improved durabilty and sustainaiblity and in upgrading existing concrete structures for the purpose of service life extension. A lot of studies have demonstrated the signfiicant advantages offered by the HPFRCC in various types of engineering applications, such as building, bridges, pavement, tunnels, dams, ports, and other civil infrastrucutres. However, there are still a number of technical and implementation issues that need to be addressed before making HPFRCC a mainstream construction material. This Special Issue aims to disseminate the most recent avances and development in this rapidly growing research field.

Deadline for manuscript submissions:
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