

High Performance Fiber Reinforced Cement Composites 6

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High Performance Fiber Reinforced Cement Composites (HPFRCC) re-present a class of cement composites whose stress-strain response in tension undergoes strain hardening behaviour accompanied by multiple cracking, leading to a high strain capacity prior to failure. The primary objective of this International Workshop was to provide a compendium of up-to-date information on the most recent developments and research advances in the field of High Performance Fiber Reinforced Cement Composites. Approximately 65 contributions from leading world experts are assembled in these proceedings and provide an authoritative perspective of the subject. Special topics include mechanical behavior under compressive, tensile, and shear loading, impact and fire resistance, self-compacting mixtures, fresh and hardening state properties, durability issues, hybrid composites, ultra-high performance fiber reinforced concrete, textile reinforced concrete and structural applications, including modelling, design and retrofit/repair. Target readers: graduate students, researchers, fiber producers, design engineers, material scientists EAN/ISBN : 9789400724365 Publisher(s): Springer, Berlin, Springer Netherlands Format: ePub/PDF Author(s): Parra-Montesinos, Gustavo J. - Reinhardt, Hans W. - Naaman, Antoine E.

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