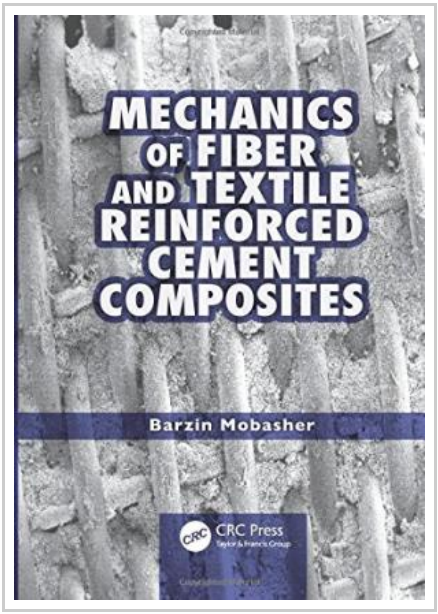

Mechanics of Fiber and Textile Reinforced Cement Composites: Manufacturing, Analysis, and Design (Hardback)

By Barzin Mobasher

Taylor Francis Inc, United States, 2011. Hardback. Book Condition: New. New.. 254 x 178 mm. Language: English . Brand New Book. Among all building materials, concrete is the most commonly used-and there is a staggering demand for it. However, as we strive to build taller structures with improved seismic resistance or durable pavement with an indefinite service life, we require materials with better performance than the conventional materials used today. Considering the enormous investment in public infrastructure and society s need to sustain it, the need for new and innovative materials for the repair and rehabilitation of civil infrastructure becomes more evident. These improved properties may be defined in terms of carbon footprint, life-cycle cost, durability, corrosion resistance, strength, ductility, and stiffness. Addressing recent trends and future directions, Mechanics of Fiber and Textile Reinforced Cement Composites presents new opportunities for developing innovative and cost-effective materials and techniques in cement and concrete composites manufacturing, testing, and design. The book offers mathematical models, experimental results, and computational algorithms for efficient designs with fiber and textile reinforced composite systems. It explores alternative solutions using blended cements, innovative reinforcing systems, natural fibers, experimental characterization of key parameters used for design, and optimized designs. Each...

Reviews

Very useful to all of category of people. I actually have read through and that i am sure that i will likely to go through once more again in the foreseeable future. I realized this book from my i and dad advised this publication to find out.

-- ***Alta Kirlin***

This is the very best publication i have got read until now. It is definitely simplified but shocks within the fifty percent of the pdf. You may like how the article writer create this pdf.

-- ***Rosario Durgan***