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Collana	Lecture Notes in Civil Engineering, , 2366-2557 ; ; 10
Disciplina	620.136
Soggetti	Buildings—Design and construction Building Construction Engineering, Architectural Structural materials Fire prevention Building Construction and Design Structural Materials Fire Science, Hazard Control, Building Safety
Lingua di pubblicazione	Inglese
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Nota di contenuto	Materials, Technologies and Construction Techniques -- Fire Resistance -- Robustness Against Accidental Actions -- Lifecycle, Upgrading and Reuse.
Sommario/riassunto	This book gathers the best peer-reviewed papers presented at the Italian Concrete Days national conference, held in Rome, Italy, on October 27-28, 2016. The conference topics encompass the aspects of design, execution, rehabilitation and control of concrete structures, with particular reference to theory and modeling, applications and realizations, materials and investigations, technology and construction techniques. The contributions amply demonstrate that today's structural concrete applications concern not only new constructions, but more and more rehabilitation, conservation, strengthening and seismic upgrading of existing premises, and that requirements cover new aspects within the frame of sustainability, including environmental

friendliness, durability, adaptability and reuse of works and / or materials. As such the book represents an invaluable, up-to-the-minute tool, providing an essential overview of structural concrete, as well as all new materials with cementitious matrices.
