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SEMINAR

COMPOSITE MATERIALS FOR STRENGTHENING REINFORCED CONCRETE STRUCTURES: RESEARCH AND APPLICATIONS

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ABSTRACT: Composite materials applied according to the Externally Bonded Reinforcement (EBR) and Near Surface Mounted (NSM) techniques are getting a recognized relevance in the structural rehabilitation of the built patrimony. For a sustainable use of these advanced materials, design models should be supported on reliable scientific-based achievements. This seminar reports the relevant findings achieved by the Structural Composites Research Group of the Minho University in the following main areas: bond, flexural strengthening, shear strengthening, concrete confinement. Some case studies are presented and discussed.

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