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# **SEMINAR**

## **Exploring new possibilities for Fibre-Reinforced Cement Composites**

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**ABSTRACT:** The use of Fibre Reinforced Cement Composites (FRCC) is getting more and more common as a feasible and effective solution in several applications in Structural Engineering for civil and industrial applications. This is the main result of two decades of a huge research effort exploited by the scientific community in conceiving, testing and modelling composite materials with concrete matrices. Improving the performance of structural concrete under general stress states (especially those characterised by significant levels of tensile and shear stresses) has been the key motivation for those research activities. Although they led to a first generation of design rules for FRCC members, relevant issues as well as future challenges are still open in this field.

This seminar highlights the relevant findings achieved by the Structural Composites Research Group of the Minho University in this area. Moreover, some case studies and field applications are presented and discussed.

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