



Venerdi 25 novembre ore 12.30 - Aula 7.8 via Saragozza 8, Bologna

Seminar :

"Fibrous materials for innovative strengthening systems in masonry construction"

ABSTRACT

Innovative strengthening techniques and materials used in masonry construction will be presented and discussed. Fibrous materials in forms of FRP (Fiber Reinforced Polymers) and FRCM/TRM (Fabric Reinforced Matrix/Textile Reinforced Mortars) are introduced through the results of recent experimental research and analytical models. Confinement of columns and shear strengthening for in plane loads will be presented. Durability issues will be also discussed in order to individuate potential loss in strength and stiffness in the long term. Design examples and real cases will be illustrated in order to address new information to researchers and future practitioners in the field.

Prof. Francesco Micelli

Ingegnere, Ph.D, M.B.A.

Professore Associato di ruolo nel settore ICAR-09 "Tecnica delle Costruzioni" presso l'Università del Salento. Dottorato di ricerca in Materiali Compositi per le costruzioni civili presso l'Università del Salento. Visiting Scholar presso la University of Missouri Rolla (USA) e presso la Universidad Catolica de Santiago de Guayaquil (Ecuador).

Membro di American Concrete Institute (ACI International)

Membro di American Concrete Institute Italian Chapter (ACI ITALIA)

Membro della Society of Advanced Materials and Process Engineers (SAMPE)

Membro Associato del Comitato Internazionale ACI-440 -Fibre-reinforced polymer reinforcement

Membro del Comitato Internazionale RILEM TC MSC - "Masonry Strengthening with Composite Materials"

Membro del Comitato Internazionale RILEM TC 250-CSM "Composites for sustainable strengthening of masonry Technical Committee".

Membro del International Institute for FRP in Construction (IIFC).

The Seminar will be introduced by prof Angelo DI TOMMASO.

Bologna November 14th 2016