



1st Workshop between Structural Engineering Groups of University of Còrdoba, University of Málaga, University of Sevilla and University of Perugia

Monday, November 23rd 2015, 14:30 - 19:00, Campus of Engineering, "Auletta"

PROGRAM

- 14:30-14:45 Filippo Ubertini, University of Perugia, *Introduction*
- 14:45 - 15:15 Felipe García Sánchez, University of Málaga, *National Research Project DPI2014-53947-R: Capabilities and main goals*
- 15:15 - 15:45 Enrique García Macías, University of Sevilla, *Multifield homogenization of functionally graded reinforced composites*
- 15:45 - 16:45 Rafael Castro Triguero, University of Còrdoba, *Experience of the group in dynamic assessment of structures and Structural Health Monitoring Techniques*
- 16:45-17:00 Break
- 17:00 - 17:30 Antonella D'Alessandro, University of Perugia, *Piezoresistive cement-matrix composites for SHM: recent results and perspectives*
- 17:30 - 17:45 Matteo Tiecco, University of Perugia, *Use of synthetic surfactants in nanotube dispersions for cement-based sensors: advantages of the use of specific molecules for specific roles*
- 17:45 - 18:00 Chiara Pepi, University of Perugia, *Laser Vibrometer and radar interferometer measurements for SHM of monumental buildings*
- 18:00 - 18:30 Gabriele Comanducci, University of Perugia, *Vibration-based SHM using automated OMA*
- 18:30 - 19:00 Nicola Cavalagli, University of Perugia, *Ongoing projects on SHM of cultural heritage buildings*

