

CALL FOR PAPERS

- Abstract submission deadline: **December 23, 2013**
- Notification of provisional acceptance: **January 27, 2014**
- Manuscript submission for Review: **March 17, 2014**
- Notification of final acceptance: **May 12, 2014**
- Early registration deadline: **May 19, 2014**
- Submission of final manuscript (6 - 8 pages): **June 1, 2014**

INDEXING

The accepted papers will be included in the Seminar Proceedings and published in the Journal of Key Engineering Materials. Key Engineering Materials is indexed in **SCOPUS** and other major index services.

CORRESPONDENCE AND REGISTRATION

All inquiries concerning the event should be sent by email to the conference secretariat at

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or visit the seminar website

www.murico4.dicam.unibo.it

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International Seminar

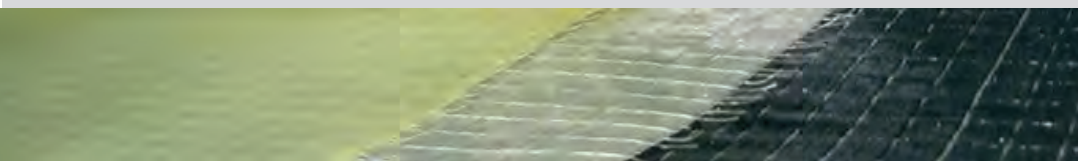
**MECHANICS OF MASONRY STRUCTURES
strengthened with composite materials**
Modeling, testing, design, control

Draft **MuRiCo₄**
First announcement



Seminar chairs

- Prof. A. Di Tommaso - Prof. F. Ubertini



OBJECTIVES AND SCOPE

The aim of the Conference is to present and review the latest achievements in MODELING, TESTING, DESIGN, CONTROL and HEALTH MONITORING of masonry structures strengthened with Composite Materials. Composite Materials with Continuous Fibres Reinforcing and Polymer or Cementitious Matrix are here considered as strengthening apparatus for masonry. Seismic vulnerability mitigation, durability and temperature influence are welcome topics to focus on and discuss. The special problems regarding historical constructions compatibility approach will be focused on, considering the appropriate techniques in the domain of STRUCTURAL ARCHITECTURE. Presentation of Laboratory Tests and Case histories, described throughly and in detail, are strongly encouraged.

VENUE

Ravenna is bidding to be "European Capital of Culture" in 2019.

Ravenna is by tradition the gateway to the East. The presence of the ancient port of Classe, its past as capital in the West, having ties however with Byzantium, have created over time its vocation as a meeting point between different peoples and continents. The sea, which was once close by and which has slowly receded over the centuries, is a constant reminder of the need for dialogue and integration. In brief, history and geography have made Ravenna symbolic of the part of Europe open to encounters with other cultures of the Mediterranean. The very presence in Ravenna of Dante Alighieri, universal poet and corner-stone of European cultural identity, has made the city a trustee of the deepest values that permeate the spirit of Europe. Modern times then established in Ravenna solid tradition of solidarity, public spirit, a passion for democracy and pressure for European integration.

It is not by chance that Ravenna has been awarded the European Citizenship Award on a number of occasions for having registered the highest turnout of voters in the election of the European Parliament.



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TOPICS

- Analysis of Mechanics of Masonry and Models
- Testing and Computational Modelling of Masonry macro-elements under static and dynamic loadings
- Performance of Strengthened Masonry with Composites (FRP, FRCM, TRM, SRG)
- Bond, Local Damage, Fatigue and Connections Performance in Masonry/Composites Coupling.
- Design Approaches and Inspection Programs of Masonry Structures strengthening
- Durability, Health Monitoring (optic fibres ...), Maintenance and Repair strengthened Masonry
- Advanced bio-composites and Nanotechnology for strengthening Historical Constructions
- Appropriate Composites Technique Evolution for Historical Constructions strengthening.
- Acceptance of Composites Technique Application for seismic protection of Monuments.
- Criticisms on Existing Guide Lines, Standards and Praxis Restoration Rules on Historical Masonry/Composites Coupling.

REGISTRATION FEES

Full Delegate registration	€ 450,00
AICO member	€ 350,00
Reduced Students registration	€ 250,00*

The "Full Delegate" and "AICO member" registrations include:

- attendance at the conference;
- conference proceedings;
- coffee break and lunch;
- social dinner.

The "students" rate does not include the social dinner. An extra fee of € 50,00 is required to participate to the social dinner.

* Document certifying the enrollment of study is required

All rates are not subjected to VAT

MuRiCo4

