

Architectural heritage is an important part of the history and identity of Italy and Greece, contributing to their economy and well being. On the other side,

ancient buildings suffer a high vulnerability to dynamic loads, which may induce an unpredictable partial or total collapse.

Recent past experience after L'Aquila earthquake strongly evidence this problem.

The core idea of the S.M.ART. BUILT. project is risks prevention, which concerns not only the prevention of loss of lives and property but also the preservation of artistic and historical buildings from natural hazards. The main project objectives are the implementation of procedures for the structural monitoring, the seismic vulnerability assessment, the development of guidelines for strengthening and repair of the historical buildings (in Trani and Corfu).



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POLYTECHNIC OF BARI



UNIVERSITY OF SALENTO



MUNICIPALITY OF TRANI



MINISTERO
PER I BENI E
LE ATTIVITÀ
CULTURALI
REGIONAL DIRECTION
FOR THE
CULTURAL AND LANDSCAPE HERITAGE
OF PUGLIA



CORFU MUNICIPALITY
SOLE SHAREHOLDER COMPANY S.A.

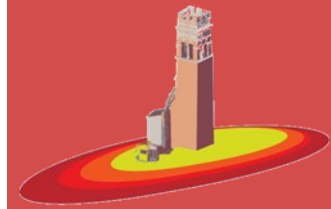


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Structural Health
Monitoring of
historical towers:
sensor networks
and FEM
modeling

INTERNATIONAL WORKSHOP ON STRUCTURAL MONITORING



S.M.ART.
BUILT.

STRUCTURAL
MONITORING OF
ARTISTIC AND HISTORICAL
BUILDING
TESTIMONIES

THURSDAY 29TH NOVEMBER 2012

14.00—18.00

FRIDAY 30TH NOVEMBER 2012

10.00—11.30

SALA CONSIGLIO

2ND FLOOR DICAR

POLYTECHNIC OF BARI

ITALY

PROJECT OBJECTIVE

The municipalities of Trani and Corfu have two historic centers made up of many ancient and brittle masonry buildings, mostly built with local stone, representative of a widespread typology in the Mediterranean area.

The international project called S.M.ART.BUILT.T. aims at providing to technical officials of the territorial authorities of Puglia and Ionian Islands Regions some indispensable training tools for the development and/or validation of structural restoration projects and seismic rehabilitation of historical buildings.

PURPOSE AND TARGET AUDIENCE

The main purpose of the workshop is to present to an audience of experts (teachers, students, professionals, companies operating in field of restoration, staff technical offices of public bodies,...) the results achieved so far by the project team.

A planned visit to the testing laboratory also aims at an in-depth analysis of the monitoring techniques used for historical buildings of particular artistic value.

WORKSHOP AGENDA

29/11/2012

- 14.00 – 14.15
Reception and check in
- 14.15 – 15.00
Welcoming of the Polytechnic of Bari
Prof. N. Costantino, Rector Polytechnic of Bari
Prof. C. D'Amato Guerrieri, Director DICAR
Prof. S. Marzano, Scientific Responsible Laboratory "Test and Materials - M. Salvati"
Welcoming of the authorities
- 15.00 – 15.15
Prof. D. Foti, Project Responsible
"S.M.ART. BUILT.— A project overview"
- 15.15 – 15.30
Mr S. Vasiladis, General Director of Corfu Municipality Sole Shareholder Co S.A.
"Historical public buildings of Corfu"
- 15.30 – 15.45
Mrs. T. Branca, Regional Direction for the Cultural and Landscape Heritage of Puglia
"Seismic history and previous restorations of the two case studies of Trani"
- 15.45 – 16.00
Coffee break
- 16.00 – 16.15
Prof. K. Oikonomou, Department of Informatics Ionian University
"Deployment and assessment of the sensor-based monitoring Infrastructure on historical buildings: the design process"
- 16.15 – 16.30
Prof. A. Floros, Department of Informatics Ionian University
"Advanced structural monitoring through wireless sensor technologies"
- 16.30 – 16.45
Mrs. M. F. Sabbà, Polytechnic of Bari
"Ambient vibrational monitoring: Annunziata tower in Corfu"
- 16.45 – 17.00
Mr. F. Tucci, PhD student Polytechnic of Bari
"Ambient vibrational monitoring: Cathedral bell tower in Trani"
- 17.00 – 18.00
Round table and discussion with the speakers

30/11/2012

- 10.00 – 11.00
Technical session: visit and testing in laboratory *
- 11.00 – 11.15
feedback from the participants
- 11.15 – 11.30
end of works

* It's required the reservation to participate to the visit

APPLICATION FORM

Participants information

Please complete the following form and return by e-mail.

First name

Family name

Title Prof Dr other.....

Organization

Address

City Province

Postal code Country

Contact phone

Fax

Mobile phone

Email

Signature

Participation to the technical session:

Yes No

Consent to Release Contact Information:

I consent to having my name and contact information included in the project newsletter list

Yes No

For further information

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