



Università
dell'Aquila
Dip. ICEEA



Ministero dei Beni e delle Attività
Culturali e del Turismo
Soprintendenza Speciale per i Beni
Archeologici di Roma



International Workshop DISS_13

DYNAMIC INTERACTION OF SOIL AND STRUCTURES

Dynamic interaction between Soil, Monuments and Built Environment

December 12th, 2013

Università degli Studi Roma Tre, Aula Magna Dip. Architettura

Largo Giovanni Battista Marzi 10, Roma

PROGRAMMA PRELIMINARE (le presentazioni saranno in lingua italiana)

09:00 Registration

09:30 Opening Session

MARIAROSARIA BARBERA, *Soprintendente, Soprintendenza Speciale Beni Archeologici di Roma*

DANTE GALEOTA, *Direttore Dipartimento ICEEA, Università degli Studi dell'Aquila*

STEFANO GRESTA, *Presidente INGV*

GIOVANNI LELLI, *Commissario ENEA*

ELISABETTA PALLOTTINO, *Direttore Dipartimento di Architettura, Università degli Studi Roma Tre*

10:00 Session I

Chairperson **CINZIA CONTI**, *Sopr. Sp. Beni Arch. Roma*

Repairing of connections between statues and the body of Costantine's arch

CARLO BAGGIO, *Univ. Roma Tre*

Seismic hazard and local response in the preservation of cultural heritage

ANTONIO ROVELLI, *INGV*

Vibration analysis and innovative technologies in the preservation of cultural heritage

PAOLO CLEMENTE, *ENEA*

A methodology to control the ambient vibrations in the Colosseum

GIANFRANCO VALENTE, *UNIVAQ*

11:30 Break

12:00 Session II

Chairperson **CARLO BAGGIO**, *Univ. Roma Tre*

The foundations of the Colosseum

GIANFRANCO VALENTE, *UNIVAQ*

Earthquakes: what choices for building and reconstruction

LUCIANO MARCHETTI, *già MIBAC*

SHM experiences of monuments in different structural, use and environmental conditions

CLAUDIO MODENA, *UNIPD*

Dynamic characteristics of Great Bronze Buddha of Kamakura using microtremor

YUTAKA NAKAMURA, *S.D.R. Tokyo*

13:30 Interval

14:30 Session III

Chairperson **GIANFRANCO VALENTE**, *UNIVAQ*

Cracking pattern and seismic performance assessment of the Orvieto Cathedral

GERARDO DE CANIO, *ENEA*

Effects of ambient vibrations on heritage buildings: overview and wireless dynamic monitoring applications

GIUSEPPE QUARANTA, *Sapienza Univ. Roma*

The April 2009 L'Aquila earthquakes: recordings in the Colosseum area

ARRIGO CASERTA, *INGV*

Evaluation of the structural health status of the coverings of Villa of the Mysteries in Pompeii

BRUNO CARPANI, *ENEA*

16:00 Session IV

Chairperson **ANTONIO ROVELLI**, *INGV*

Dynamic characteristics of Memorial Columns of Trajan and Marcus Aurelius using microtremor

YUTAKA NAKAMURA, *S.D.R. Tokyo*

Vibration analysis of the Coclidi Columns in Rome

GIOVANNI BONGIOVANNI, *ENEA*

Experimental analysis and numerical modeling of Santa Maria di Collemaggio Basilica in L'Aquila

SARA AMOROSO, *UNIVAQ*

17:00 End