



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 local-scale numerical
modeling of the area of Santa Maria di Collemaggio
Basilica in L'Aquila

IOLANDA GAUDIOSI, UNIVAQ

17:00 End