



UNIVERSITÀ
DEGLI STUDI
FIRENZE

DIDA
DIPARTIMENTO DI
ARCHITETTURA

Dottorato in
Architettura, progetto,
conoscenza e salvaguardia
del patrimonio culturale

Recent **PHD SEMINAR** advances on the seismic assessment of cultural heritage

12-13
january
2023

S.Teresa
via della mattonaia, 8
Firenze

[link webex](#)

THURSDAY
12|01

15.00 | 15.15

Welcoming
Francesco Valerio Collotti
Marco Tanganelli
Università degli studi di Firenze

technical session

chairman Marco Tanganelli

15.15 | 16.00

**Overview of TEP-107 projects
on earthquake engineering**
Antonio Morales-Esteban
Universidad de Seville

16.00 | 16.30

**Dynamic monitoring of
cultural heritage buildings**
Riccardo Mario Azzara
INGV

16.30 | 17.00

**Seismic assessment of
the Mosque-Cathedral of
Cordoba in OpenSees**
Maria-Victoria Requena-Garcia-Cruz
Universidad de Seville

17.30 | 18.00

**Bayesian model updating
for seismic fragility curves
of masonry structures**
Antonino Maria Marra
Università degli studi di Firenze

18.00 | 18.30

questions and answers to all speakers

FRIDAY
13|01

technical session

chairman Antonio Morales-Esteban

9.00 | 9.45

**Overview of DIDA projects
on the seismic assessment
of Cultural Heritage**
Mario De Stefano
Università degli studi di Firenze

9.45 | 10.15

**Recent applications of
modelling the soil-structure
interaction effects**
Maria-Victoria Requena-Garcia-Cruz
Universidad de Seville

10.15 | 10.45

**A numerical procedure for the
safety assessment of masonry
arches on moving supports**
Stefano Galassi
Università degli studi di Firenze

10.45 | 11.15

break

11.15 | 11.45

**Numerical modelling of a
cultural heritage asset: the
Giralda Tower of Seville**
Emilio Romero-Sanchez
PhD Student Universidad de Seville

11.45 | 12.45

**Seismic analysis of Giotto's
Bell Tower in Florence**
Francesco Trovatelli
PhD Student Università degli studi di Firenze

12.15 | 12.45

questions and answers to all speakers