

SINO-ITALIAN JOINT WORKSHOP

The aims of the Bilateral Workshop are to further boost the strategic cooperation between China and Italy in the field of protection of historical architectures, archaeological remains and cultural relics from earthquake-induced risks, in order to improve the level of protection of cultural heritage buildings and sites in the two countries. The Workshop is promoted and organized by the recently founded China-Italy International Research Centre for Protection of Historical Architectures and Cultural Relics (CIPAR), and represents a starting point for planning demonstrations and research activities

and to establish an internationally open resource aggregation platform of high-level administrators, researchers, professionals and practitioners in the field of Cultural Heritage protection. The organization of this Workshop is also part of the ongoing celebrations that the University of Guangzhou – China and the University of Padova – Italy are holding to celebrate the 10th anniversary of the signing of the Memorandum of Understanding between the two Universities and the following establishment of the Confucius Institute in Padova.

BILINGUAL WORKSHOP ITALIAN-CHINESE WITH SIMULTANEOUS TRANSLATION

Seminario bilingue Italiano e Cinese con traduzione simultanea

FREE REGISTRATION FOR ENGINEERS WITH CFP

24/09/2018 (4CFP): <http://fip.kademy.it/course/5b9263b6315c8621027b952c>

25/09/2018 (6CFP): <http://fip.kademy.it/course/5b93750ea076fceb6d69ef346>

FREE REGISTRATION FOR OTHER PARTICIPANTS

www.unipd.it/sino-italian-workshop

ORGANIZED BY

CIPAR - China-Italy International Research Centre
for Protection of Historical Architectures and Cultural Relics

Department of Cultural Heritage
Department of Civil, Environmental, Architectural Engineering
Department of Geosciences
University of Padova, Italy

Earthquake Engineering and Research Testing Center
University of Guangzhou, China

Ordine degli Ingegneri della Provincia di Padova - Fondazione Ingegneri Padova

UNDER THE AUSPICES OF



Comune
di Padova



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



广州大学
GUANGZHOU UNIVERSITY



Ufficio comunicazione - unipd

Sino-Italian Joint Workshop on Protection of Cultural Heritage from Earthquake-Induced Risk

24-25 September 2018

Sala dei Giganti, Palazzo Liviano
University of Padova

University of Padova
International Office
Palazzo Anselmi
Lungargine Piovego 1, 35131 Padova
tel 049 8276050
international.office@unipd.it

www.unipd.it/sino-italian-workshop

Padova
meets
Guangzhou
Special Event

FIRST DAY
MONDAY
24TH SEPTEMBER 2018

SALA DEI GIGANTI
UNIVERSITY OF PADOVA

INAUGURAL PROGRAMME

13.30 Registration

14.00 Welcome

Rosario Rizzuto

Rector of University of Padova

Ping Tan

Vice Director of EERTC

Arturo Lorenzoni

Vice Major of Padova

Gian Pietro Napol

President of Federazione degli Ordini
degli Ingegneri del Veneto

Massimo Coccato

President of Ordini degli Ingegneri
della Provincia di Padova

**14.20 Workshop presentation and
introduction of CIPAR**

Wenliuhan Heisha / Francesca da Porto
Workshop Coordinators and Board of
Directors CIPAR

SESSION 1

**SEISMIC RISK REDUCTION AND
MANAGEMENT**

**14.30 Role of the Department of Civil
Protection in Disaster Mitigation in
Italy and Emergency Management,
with Special Focus on Cultural
Heritage**

Mauro Dolce

Director General, Department of Civil
Protection, Government of Italy, Rome

**14.50 Facilities and Research projects
on seismic engineering at EERTC**

Ping Tan

Director of Earthquake Engineering
Research and Testing Centre,
Guangzhou University

**15.10 The Laboratories University
Network of Seismic Engineering
(ReLUIIS): support to the emergency
phase and special projects for seismic
risk prevention and mitigation**

Andrea Prota

University of Naples Federico II and
ReLuis, Italy

**15.30 Current status of seismic
isolation research in China**

Wenliuhan Heisha

Earthquake Engineering Research and
Testing Centre, Guangzhou University

**15.50 The Central-Italy 2016-17
earthquake and Cultural Heritage:
from emergency to the recovery
phase, experiences and perspectives**

Paolo Iannelli

Special Superintendent for the area
stricken by the 24th August 2016
earthquake
Ministry of Cultural Heritage and
Activities and Tourism, Italy

16.10 Discussion & break

SESSION 2

**STRUCTURAL SAFETY OF BUILT
HERITAGE**

**16.50 Assessment and Mitigation
of Seismic Risk and of the Effects
of Earthquake-induced Damages to
Architectural Heritage**

Claudio Modena

National Research Council - University
of Padova

**17.10 Seismic performance analysis
and engineering practices of ancient
Chinese wood structures**

Wei Li

Shaanxi Provincial Institute of Cultural I
Heritage, China

**17.30 Knowledge based approaches
to the protection of cultural heritage
from earthquake-induced risk**

Maria Rosa Valluzzi

Department of Cultural Heritage,
University of Padova

**17.50 Monitoring System for Ancient
Buildings Protection and Applications**

Jian Su

Department of Intelligent Devices
and Software, Guangzhou Institute of
Building Science CO.,LTD.

**18.10 Seismic vulnerability
assessment at a territorial scale and
implementation of sustainable seismic-
risk reduction plans**

Francesca da Porto

Department of Civil, Environmental,
Architectural Eng., University of Padova

18.30 Discussion & closure

20.00 Dinner

SECOND DAY
TUESDAY
25TH SEPTEMBER 2018

SALA DEI GIGANTI,
UNIVERSITY OF PADOVA

8.30 Registration

SESSION 3

**PROTECTION & VALORIZATION OF
ARCHAEOLOGICAL SITES**

**9.00 Archaeosismology in the
Mediterranean area: current and
future research**

Jacopo Bonetto

Director Department of Cultural
Heritage, University of Padova

**9.20 Seismic protection of relics and
objects**

Wenliuhan Heisha

Earthquake Engineering Research and
Testing Centre, Guangzhou University

**9.40 The role of non-invasive
geophysical methods in the
preservation of the Cultural Heritage
in seismic areas**

Rita Deiana

Director, Interdepartmental Centre
for Research, Study and Conservation
of Archaeological, Architectural and
Historic-Artistic Heritage, University of
Padova

**10.00 The Protection and Social Value
Expression and Practice of Chinese
Cultural Heritage (Xi'an Nanmen
Jianlou Protection Project)**

Wei Li

Shaanxi Provincial Institute of Cultural I
Heritage, China

**10.20 The contribution of structural
engineering to the conservation of
archaeological sites in seismic areas**

Maria Rosa Valluzzi / Filippo Lorenzoni

Department of Cultural Heritage,
University of Padova

10.40 Discussion & break

SESSION 4

**STRATEGIES FOR INTERVENTION
AND SEISMIC PROTECTION
OF BUILDINGS & CONTENTS**

**11.20 Repair and strengthening of
Monuments and Cultural Heritage
buildings: strategies of interventions
and case studies**

Claudio Modena

National Research Council - University
of Padova

**11.40 Current status of Seismic
Isolation Design Code of China**

Ping Tan

Director of Earthquake Engineering
Research and Testing Centre,
Guangzhou University, China

**12.00 Issues in assessment and
conservation of Early Nineteenth
Century Heritage Reinforced Concrete
Buildings**

Francesca da Porto / Elvis Cescatti

Department of Civil, Environmental,
Architectural Eng., University of Padova

**12.20 Historical buildings protection
and isolation technology**

Liu Yanhui

Earthquake Engineering Research and
Testing Centre, Guangzhou University

**12.40 Qualification of innovative
materials and products for the
protection of the built heritage: the
European perspective**

Antonio Occhiuzzi

Director, Construction Technologies
Institute, National Research Council
(CNR)

13.00 Discussion & lunch

SESSION 5

**MATERIALS: ISSUES FOR REPAIR
AND CONSERVATION**

**15.00 From microscopic to macroscopic:
the materials science of conservation**

Gilberto Artoli

Director, Inter-Departmental Research
Centre for the Study of Cement
Materials and Hydraulic Binders,
University of Padova

**15.20 Performance of SMA and its
application in the restoration of
ancient buildings (Guang minaret in
Huaisheng Mosque)**

Xu Li

Earthquake Engineering Research and
Testing Centre, Guangzhou University

**15.40 Characterization of historic
mortars and binders**

Michele Secco / Giulia Ricci

Department of Civil, Environmental,
Architectural Eng., University of Padova
Inter-Departmental Research Centre
for the Study of Cement Materials and
Hydraulic Binders, University of Padova

**16.00 Research on Seismic Protection
of Chinese Imperial Palace Cultural
Relics**

Wenliuhan Heisha

Earthquake Engineering Research and
Testing Centre, Guangzhou University

16.20 Discussion and CIPAR
perspectives

17.00 Closure of the Workshop

SESSION 6

**WORKING GROUPS – SESSION FOR
WORKSHOP SPEAKERS**

17.30 Discussion: possibilities for
Cooperation between Countries based
on CIPAR

19.00 Closure

20.00 Dinner

