

## MOTIVATION

THIS THIRD BILATERAL SINO-ITALIAN WORKSHOP PRESENTS A CONSOLIDATED COOPERATION BETWEEN CHINA AND ITALY IN THE FIELD OF PROTECTION OF HISTORICAL ARCHITECTURES AND ARCHAEOLOGICAL SITES FROM EARTHQUAKE-INDUCED RISKS. THE MAIN AIM IS TO EXCHANGE BEST-PRACTICES AND THE LATEST KNOWLEDGE TO IMPROVE THE LEVEL OF PROTECTION OF CULTURAL HERITAGE BUILDINGS AND SITES IN THE TWO COUNTRIES. IN THIS WORKSHOP EDITION, DISCUSSION ON THE USE OF NEW DIGITAL TECHNOLOGIES FOR RISK ASSESSMENT, MANAGEMENT AND VALORIZATION COMES ALONG WITH ESTABLISHED METHODS FOR TESTING, ANALYZING AND REVITALIZING THE HISTORICAL ASSETS AT RISK.

THE WORKSHOP IS PROMOTED AND ORGANIZED BY THE CHINA-ITALY INTERNATIONAL RESEARCH CENTER FOR PROTECTION OF HISTORICAL ARCHITECTURES AND CULTURAL RELICS (CIPAR, 2018) AND REPRESENT A STARTING POINT OF DEMONSTRATION AND RESEARCH ACTIVITIES AND AN INTERNATIONALLY OPEN RESOURCE AGGREGATION PLATFORM OF HIGH-LEVEL ADMINISTRATORS, RESEARCHERS, PROFESSIONALS AND PRACTITIONERS IN THE FIELD OF CULTURAL HERITAGE PROTECTION.

THE WORKSHOP WILL BE HELD IN THE AULA MAGNA OF THE BEATO PELLEGRINO CAMPUS, FULLY RESTORED WITH INNOVATIVE TECHNOLOGIES AND OPENED IN SEPTEMBER 2019.

### WORKSHOP IN ENGLISH WITH SIMULTANEOUS TRANSLATION

SEMINARIO IN INGLESE CON TRADUZIONE SIMULTANEA IN ITALIANO

### FREE REGISTRATION

3CFP FOR ENGINEERS

4CFP FOR ARCHITECTS

<https://docs.google.com/forms/d/1vWImW7pAqE-qQVkj5KIYGNorcRFAKjqrz2ff6pnkpnU/edit>



### ORGANIZED BY:

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

Département de Cultural Heritage

Département de Civil, Environmental, Architectural Engineering

Département de Geosciences

CIBA - Interdepartmental Center for Cultural Heritage

CIRCe - Interdepartmental Research Centre for the Study of

Cement Materials and Hydraulic Binders

Earthquake Engineering and Research Testing Centre  
University of Guangzhou, China

3 JULY  
2025

Aula Magna Campus Beato  
Pellegrino University of Padova.  
Via Vendramini 13

UNDER THE AUSPICES OF:



CO-ORGANIZED BY:



# TECHNOLOGIES FOR THE SEISMIC PROTECTION AND VALORIZATION OF CULTURAL HERITAGE ASSETS

## REGISTRATION

10:00–10:30

## WELCOME

10:30–11:00

M. Salvadori, Vice Rector of Historical and Cultural Heritage,  
University of Padova

Representatives of involved institutions

## SESSION 1

11:00–12:00

### INSTITUTIONAL ACTIVITIES ON CULTURAL HERITAGE AND RESEARCH NETWORKS

*The experience of the Office of the Special  
Superintendent for the areas stricken by the 24 august  
2016 earthquake, Ministry of Culture : relevant project  
and institutional relationship*

C. Cenci

Special Superintendent for the areas stricken by the 24 august  
2016 earthquake, Ministry of Culture

*The Network of University Laboratories of Seismic and  
Structural Engineering: research and activities on  
Cultural Heritage*

M. Dolce

President of the ReLUIs, Network of Seismic and Structural  
Engineering Laboratories

*Seismic Aspects of Historical Monument Preservation  
in the framework of International Committees*

M.R. Valluzzi

Member of ICOMOS - ISCARSAH, international Council of  
Monuments and Sites

E. Vintzileou

Co-chair of WG10 EAEE - European Association of Earthquake  
Engineering

*SYCURi: an example of research infrastructure  
supporting the Cultural Heritage at Risk*

R. Deiana

Department of Cultural Heritage (dBC) - Director of  
Interdepartmental Center for Cultural Heritage - CIBA,  
University of Padova

## SESSION 2

12:00–13:30

### CASE STUDIES IN CH ASSETS CONSERVATION AND RISK MITIGATION

*The Basilica of San Benedetto in Norcia: from  
construction history to the analysis of vulnerability*

F. da Porto

Department of Geoscience, University of Padova

M.R. Valluzzi

Department of Cultural Heritage (dBC), University of Padova

*The Conservation and Revitalization of Sun Yat-sen  
Memorial Hall in Guangzhou*

Hongbo Li

Director of the Management Center, Sun Yat-sen Memorial  
Hall in Guangzhou

*New materials for sustainable Cultural Heritage  
protection*

G. Artioli, M.C. Dalconi

Past and current Director, Interdepartmental Research Centre  
for the Study of Cement Materials and Hydraulic Binders -  
CIRCe, University of Padova

*Dynamic Response and Seismic Fragility Analysis of  
the Octagonal Steel Roof Truss of the Sun Yatsen  
Memorial Hall*

L. Yanhui

Assistant Director of the Earthquake Engineering Research &  
Test Center, Guangzhou University

*Experimental testing, numerical analysis and building  
information modelling for solving soil-structure  
interaction problems: the PRIN 2022 NEW AGE project*

S. Sica

Department of Engineering, University of Sannio

M.R. Gallipoli

Institute of Methodologies for Environmental Analysis, National  
Research Council

F. da Porto

Department of Geoscience, University of Padova

*Research on Performance Evaluation of Historical  
Masonry Structures in Lingnan Region*

Xu Li

Deputy Director of the Earthquake Engineering Research &  
Test Center, Guangzhou University

## SESSION 3

15:00–16:15

### KNOWLEDGE AND MANAGEMENT OF CH SITES AND BUILDINGS: FROM THE HISTORIC CONTEXT TO THE USE OF MONITORING, 3D MODELLING, AND DIGITAL TWINNING

*Ancient architecture, environment and natural  
hazards in Delphi (Greece): the 2024 survey at the  
Marmaria terrace*

J. Bonetto, E. Faresin, A. Mazzariol, A. Zarg, F. Adesso

Department of Cultural Heritage (dBC), University of Padova

*City and Architecture of Cross-Cultural Contacts*

Lian Zhou

College of Architecture and Urban Planning, Guangzhou  
University

*Architectural heritage valorization through 3D  
modelling, virtual reality and storytelling*

A. Giordano

Director, Department of Civil, Environmental and Architectural  
Engineering (DICEA), University of Padova

*Application of Digital Twin Technology in Urban  
Building Complexes for Multi-Hazard Simulation and  
Risk Assessment*

Cheng Yuan

Earthquake Engineering Research & Test Center, Guangzhou  
University

*Digitalization and interoperability in CH management:  
from monitoring to planned preventive maintenance*

C. Zanchetta

Department of Civil, Environmental and Architectural  
Engineering (DICEA), University of Padova

F. Lorenzoni

Department of Geoscience, University of Padova

## DISCUSSIONS AND WORKSHOP CLOSURE

16:15–17:00