

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, STARTING ALSO FROM THE NEW-AGE AND THE INDICE PROJECT RESULTS.

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 (REQUIRED FOR CREDITS)

3CFP FOR ENGINEERS

4CFP FOR ARCHITECTS

<https://docs.google.com/forms/d/1vWImW7pAgE-qQVkj5KIYGNorcRFAKjqrz2ff6pnkpnU/edit>



ACCESS TO THE BUFFET IS RESERVED FOR REGISTERED PARTICIPANTS

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:



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



广州大学
GUANGZHOU UNIVERSITY

CO-ORGANIZED BY:



Ordine degli Architetti,
Pianificatori, Paesaggisti
e Conservatori
della Provincia di Padova

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

M. Zanandrea, Vice President Board of Architects, Urban and Landscape Planners and Conservationists of Padova

L. Boaretto, Vice President Board of Engineers 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

SYCUR: 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. Artoli, 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

BUFFET LUNCH

13:30–15:00

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. Zara, 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