





For the fourth year, the Department of Architecture of the University of Ferrara, in collaboration with the 27th edition of "Restoration - International Exhibition of Cultural and Environmental Heritage", which will take place in Ferrara on 8-10 June, will hold the "Restoration and Cultural Heritage Days" event. The prestigious location of Palazzo Tassoni Estense hosted the first event, opening its doors to three days of discussion and debate, while in 2020 and in 2021, due to the COVID-19 pandemic situation, a number of online events were organized which reinforced the vocation for innovation and research in the field of cultural Heritage. This year the 4th edition of the "Restoration and Cultural Heritage Days", to be held on 24-25 March, will consist of a series of webinars and conferences on different topics.

## 4th Edition 24 and 25 March 2022

### **ONLINE EVENT**

#### Organized by

University of Ferrara, Department of Architecture; International Academy After the Damages; Clust-ER BULD; Futuro in Ricerca Consortium; TekneHub; LaboRA, Architectural Restoration Workshop; DIAPReMi GIORNATE DEL RESTAURO E DEL PATRIMONIO CULTURALE







# Thursday, 24 March, 2022

9:30 am - 10:30 am

Event simultaneously translated into English

GIORNATE DEL RESTAURO E DEL PATRIMONIO CULTURALE

**IV EDIZIONE** 

Opening event RESTORATION AND CULTURAL HERITAGE DAYS – 4th Edition

Webinar

3 CFP for italian architects for the whole event (9.30-12.30: Opening and INNOVA Value Chain Conference)



# Opening event RESTORATION AND CULTURAL HERITAGE DAYS – 4th Edition

### Thursday, 24 Maxrch, 2022

9:30 am - 10:30 am

#### With the participation of:

Laura Ramacciotti, Rector of the University of Ferrara

Alessandro Ippoliti, Director of the Department of Architecture, University of Ferrara Roberto Di Giulio, Co-Director of the International Academy "After the Damages" Marcello Balzani, President of the Build and Construction Clust-ER of the Emilia-Romagna Region Silvia Paparella, Managing Director of Ferrara Fiere e Congressi Stefania Corsi, Director of Futuro in Ricerca Consortium, Ferrara

Gian Paolo Rubin, President of the Order of Architects, Landscape Planners and Conservators of the Province of Ferrara

Event accredited at the Order of Architects P.P.C. of Ferrara. To the members of the Orders of Architects (Italian orders) will be recognized professional training credits for each session, subject to mandatory registration on the site: <u>https://imateria.avn.it/</u>

Those not applying for professional training credits can register at the following link

REGISTER

3 CFP for italian architects

Conference)

for the whole event (9.30-12.30:

**Opening and INNOVA Value Chain** 



#### AFTERTHE DAMAGES International Academy

L'International Academy "After the Damages" rientra tra i progetti triennali di alta formazione in ambito culturale, economico e tecnologico ai sensi dell'art. 2 della legge regionale n. 25/2018 approvati e finanziati con deliberazione della Giunta regionale n. 1251/2019.

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Partnership











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#### CFP Architetti Evento accreditato presso l'Ordine degli Architetti P.P.C. di Ferrara. Accreditamento dei CFP previa iscrizione su iMateria.

#### Registration on iMateria available from 9 March





# Thursday, 24 March, 2022

10:30 am - 12:30 pm

Event simultaneously translated into English and Portuguese



DA

GIORNATE DEL RESTAURO E DEL PATRIMONIO CULTURALE

**IV EDIZIONE** 

Conference

# **"THE PARADIGM OF THE COGNITIVE BUILT HERITAGE"**

Value Chain INNOVA "Cultural Heritage Management" - Building Clust-ER

Webinar

3 CFP for italian architects for the whole event (9.30-12.30: Opening and INNOVA Value Chain Conference)



#### timento tettura a EDILIZIA E COSTRUZIONI INNOVA CHM

# Conference

# **"THE PARADIGM OF THE COGNITIVE BUILT HERITAGE"**

## Value Chain INNOVA "Cultural Heritage Management" - Building Clust-ER

Thursday, 24 March, 2022

10:30 am - 12:30 pm





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#### timento tettura ra EDILIZIA E COSTRUZIONI INNOVA CHM

# Conference

# **"THE PARADIGM OF THE COGNITIVE BUILT HERITAGE"**

## Value Chain INNOVA "Cultural Heritage Management" - Building Clust-ER

### Thursday, 24 March, 2022

10:30 am - 12:30 pm

# Webinar

#### 3 CFP for italian architects for the whole event (9.30-12.30: Opening and INNOVA Value Chain Conference)

The fourth edition of the Restoration and Cultural Heritage Days will include a presentation of the work of the Innova Cultural Heritage Management Value Chain workshops on "The paradigm of cognitive built heritage", identified as the driving force for the restart of the country and a key tool towards digital transition in support of its economic and social development. It represents an important opportunity to follow the debate in an extraordinary moment for the development of industrial research projects aimed at the restoration and maintenance of the built cultural heritage, which will be promoted through the investments financed by the structural funds of the European Union and of the National Recovery and Resilience Plan.

To this end, multidisciplinary scientific and technologies skills and competencies are brought together which are capable of producing and transferring knowledge about the built heritage.

#### Opening of the sessions

Marcello Balzani, President of the Building Clust-ER of the Emilia-Romagna Region

#### The Region's strategies for the enhancement of the cultural heritage

Cristina Ambrosini, Director of the Cultural Heritage Service of the Emilia-Romagna Region

## Building Clust-ER: smart specialisation strategy in Emilia-Romagna, PNRR (Recovery and Resilience Plan) - Innovation objectives

Marcello Balzani, Manager of the Building Clust-ER of the Emilia-Romagna Region

#### The Innova CHM Value Chain for the conservation and monitoring of historical heritage Rita Fabbri, Chair of Value Chain Innova CHM, TekneHub Laboratory, High Technology Network of the Ferrara Technopole, University of Ferrara

#### The regeneration of historical villages

Maria Cristina Garavelli, Chair of Value Chain RIGENERA, Founder of Officina Meme srl, Ravenna

#### Development of digital skills applied to the building and construction sector

Chiara Pancaldi, Co-Chair of the Building Clust-ER Training Board, ITS TEC Contact Person

#### Open standard BIM enabling technologies for the conservation of existing buildings

Chiara Vernizzi, CIDEA Interdepartmental Centre, High Technology Network of the Parma Technopole, University of Parma

#### Smart materials and technologies for heritage applications

Luca Laghi, Technical Director of Certimac, High Technology Network of the Ravenna Technopole, Science and Technology Park in Faenza

#### BIM: Digital innovation and transformation of the built environment

Franco Rebecchi, Co-Chair of the Build Clust-ER Innovation Board, Founder of BIM0 srl

Beyond technology: the innovation of ICT processes for the monitoring of buildings Massimo Crepaldi, Co-Chair of Value Chain Innova CHM, ACSoftware srl

Integration of ICT Technologies into the BIM approach Massimo Stefani, BIM consultant at Harpaceas srl





Comparison of national and international experiences. Technology transfer, product and processes

UID Symposium on Research Internationalization and Innovation



3 CFP for italian architects

# Thursday, 24 March, 2022

### 2:00 pm - 5:00 pm

Event simultaneously translated into English



AFTERTHE DAMAGES



GIORNATE DEL RESTAURO E DEL PATRIMONIO CULTURALE





Comparison of national and international experiences. Technology transfer, product and processes

UID Symposium on Research Internationalization and Innovation

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**3 CFP for italian architects** 



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Registration on iMateria available from 9 March







Dipartimento

Architettura

**Comparison of national and international** experiences. Technology transfer, product and processes

**UID Symposium on Research Internationalization** and Innovation

### Thursday, 24 March, 2022

2:00 pm - 5:00 pm

# Webinar

3 CFP for italian architects

The UID Symposium on Research Internationalization and Innovation is part of the "Restoration and Cultural Heritage Days" and its aim is to give continuity to the events of previous vears in order to promote research at an international level and to introduce the roadmap of the work of the "Innovation" Commission, starting with strategic development areas that include the topics of Digitization. Visualization and Social Innovation for the enhancement of the Cultural Heritage, the conservation of the built, historical and artistic heritage, and the City, Territory, Landscape and Environment contexts. The conference will take place as part of the events of the Academy "After the Damages", sponsored by UID and active in the International Scientific Committee.

#### Organized by:

DIAPReM/TekneHub, Department of Architecture, University of Ferrara - UID Italian Union of Design

#### Curated by:

DIAPReM/TekneHub, Department of Architecture, University of Ferrara

#### In collaboration with:

UID - Italian Union of Design and the International Academy "After the Damages"

#### Scientific coordination:

Marcello Balzani, Federica Maietti, Department of Architecture, University of Ferrara

#### Introduced by:

Stefano Bertocci. University of Florence. Department of Architecture, President of the UID International Relations Commission

Marcello Balzani, University of Ferrara, Department of Architecture. President of the UID Innovation Commission







Comparison of national and international experiences. Technology transfer, product and processes

UID Symposium on Research Internationalization and Innovation

### Thursday, 24 March, 2022

2:00 pm - 5:00 pm

# Webinar

**3 CFP for italian architects** 

#### ITALY

The role of open standard web platforms in the dissemination of project information content: the results of the POR-FESR eBIM project: existing Building Information Modeling for the management of building enhancement

Chiara Vernizzi, Roberto Mazzi, University of Parma, Department of Engineering and Architecture

#### ITALY USA

Visualizing Cities - Methodologies and modalities for the communication of the transformations of the cultural heritage

Andrea Giordano, Cosimo Monteleone, University of Padua, Department of Civil, Architectural and Environmental Engineering Isabella Friso, luav University of Venice, Department of Design Culture

Kristin Huffman, Duke University

#### ITALY

#### HBIM for the building file

#### Alessandra Tata, Stefano Brusaporci, Pamela Maiezza,

University of L'Aquila, Department of Civil, Construction-Architectural, Environmental Engineering

#### ITALY PORTUGAL SPAIN

A project to promote common identities in Europe: F-ATLAS Franciscan Landscapes

Stefano Bertocci, Federico Cioli, Anastasia Cottini, University of Florence, Department of Architecture

#### BELGIUM FRANCE ITALY UNITED KINGDOM SPAIN USA Digital Representation Challenges

Roberta Spallone, Polytechnic University of Turin, Department of Architecture and Design Michele Russo, "Sapienza" University of Rome, Department of History, Design and Architectural Restoration Andrea Giordano, University of Padua, Department of Civil, Architectural and Environmental Engineering

#### ITALY

Network of processes for the conservation and use of intangible architectural culture

Laura Farroni, Roma Tre University, Department of Architecture

#### ARGENTINA ITALY

Tradition and/or hybridization? Dissemination of the polytechnic-based design culture in Italy and Argentina in the second half of the twentieth century

#### M. Pompeiana Iarossi, Elisa Boeri, Fabio Marino, Cecilia Santacroce, Francesca Giudetti, Polytechnic University of Milan, Department of Architecture, Construction Engineering and Built Environment Federica Ciarcià, University of Belgrano, Buenos Aires





Comparison of national and international experiences. Technology transfer, product and processes

UID Symposium on Research Internationalization and Innovation

### Thursday, 24 March, 2022

2:00 pm - 5:00 pm

# Webinar

**3 CFP for italian architects** 

#### ITALY LEBANON TUNISIA

From Open Conservation to Open Restoration: Information architecture for communicating about restoration

Laura Baratin, Francesca Gasparetto, Veronica Tronconi, Carlo Bo University of Urbino, Department of Pure and Applied Sciences

#### ITALY

Computer graphics for the virtual enhancement of the Genoese artistic heritage: the digital restoration of the "Death of Cleopatra" by Luca Cambiaso in relation to tourism 4.0 and a new education

Gaia Leandri, University of Genoa, Department of Architecture and Design

#### ITALY CZECH REPUBLIC

3D survey for the digitisation of the Olomouc city walls heritage

Paola Puma, University of Florence, Department of Architecture Darja Kubeckova, Martina Perinkova, Ivona Dlábiková, VSB - Technical University of Ostrava. Faculty of Civil Engineering

#### ALBANIA ITALY

The architectural heritage of Berat in Albania. Photogrammetric survey, 3D laser scanner and digital modelling

Ornella Zerlenga, Luigi Corniello, Vincenzo Cirillo, Alice Palmieri, Angelo De Cicco, Andrea Maliqari, Luigi Vanvitelli University of Campania, Department of Architecture and Industrial Design

#### GREECE ITALY

#### Survey of the western coastline of Athos

Gennaro Pio Lento, Luigi Corniello, Rosina laderosa, Rosa De Caro, Alice Palmieri, Andrea Maliqari, Luigi Vanvitelli University of Campania, Department of Architecture and Industrial Design

#### ITALY PORTUGAL

The cloister of the Jerónimos Monastery in Lisbon. Photogrammetric investigations and drone surveys

#### Fabiana Guerriero, Vincenzo Cirillo, Luigi Corniello, Margherita Cicala, Gennaro Pio Lento, Riccardo Miele, Luigi Vanvitelli

University of Campania, Department of Architecture and Industrial Design

Pedro Antonio Janeiro, University of Lisbon, Faculty of Architecture

#### ESTONIA FINLAND ITALY

BENEDICT: BIM-enabled Learning Environment for Digital Construction

Caterina Morganti, University of Bologna, Department of Architecture

#### ITALY

3DH-solutions. 3D printing solutions for the structural and architectural restoration of cultural heritage (POR FESR project Lazio Region)

Assunta Pelliccio, Marco Saccucci, University of Cassino and Southern Lazio, Department of Literature and Philosophy





8th Edition – Calls for submission 2021-2022 -Completed Projects Section

AWARDS CEREMONY

Webinar

2 CFP for italian architects

# **Thursday, 24 March, 2022** 5:00 pm - 7:00 pm

Event simultaneously translated into English





GIORNATE DEL RESTAURO E DEL PATRIMONIO CULTURALE











8th Edition – Calls for submission 2021-2022 -Completed Projects Section

### AWARDS CEREMONY

Thursday, 24 March, 2022

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2 CFP for italian architects



UNIVERSITÀ

**DI PARMA** 

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#### Partnership



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UNIMORE

UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA



Agenzia Regionale per la Ricostruzione

RegioneEmilia-Romagna

#### Support

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8th Edition – Calls for submission 2021-2022 -**Completed Projects Section** 

### AWARDS CEREMONY

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2 CFP for italian architects

The Award, conceived and promoted in 2010 by Fassa srl, owner of the "Fassa Bortolo" trademark, and by the Department of Architecture of the University of Ferrara, stems from the desire to reward and present to a wide audience architectural restoration project that were able to offer an informed interpretation of the conservation principles with which the scientific community identifies, making use of contemporary forms of expression as well. The award-winning designers of the 8th edition will present their own projects to the audience.

#### Organized by:

University of Ferrara, Department of Architecture: Domus "Fassa Bortolo" Restoration and Conservation International Award, Futuro in Ricerca Consortium TekneHub LaboBA Architectural Restoration Workshop, DIAPReM, Fassa srl.

Marcello Balzani, University of Ferrara Presentation of the 18th edition Award

Riccardo Dalla Negra, University of Ferrara Introduction of the work of the Panel of Judges

#### Presentation of the award-winning projects The following projects will be presented in detail:

#### GOLD MEDAL

Restoration and enhancement of the Temple of Venus and Roma and of the Curiae Veteres in the area of the Colosseum archaeological park Designer: Daniela Borgese

#### SILVER MEDALS

Restoration of the former Nino Colombo Library in Beinasco Designer: Carlo Luigi Ostorero

Restoration of the facades of Palazzo Bevilacqua Costabili in Ferrara

Designers: Martina Bonora, Livia Burini, Federica Bartalini, Maria Marcella Barigozzi

#### FASSA BORTOLO SPECIAL PRIZE Petosan Mountain Refuge Designers: Paolo Brambilla, Eugenio Castiglioni

HONOURABLE MENTIONS Buildings of the Cathedral of Santa Maria Assunta, reuse of the Aragonese Tower in Sora

Designers: Renato Morganti, Gianfranco Cautilli, Mario Morganti with Laura Scrimieri











8th Edition – Calls for submission 2021-2022 -Completed Projects Section

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Restoration of buildings of the former rectory and Parish Church of San Giusto in Balli Designers: Archos s.r.l. Giulia Milesi, Giacomo Massoni

#### Restoration of the Baptistery of Agliate Designer: Davide Colombo

Restoration of the walls and entrance portal to the Olympic Theatre of Vicenza Designers: Gabriele Zorzetto and Angela Blandini

The São Pedro Do Sul Roman Baths, Portugal Designer: João Mendes Ribeiro

Marcello Balzani and Riccardo Dalla Negra Closing of the event











## Tavola rotonda "ART AND RESTORATION: REFLECTIONS ON THE CONCEPT OF CREATIVITY IN ARCHITECTURAL RESTORATION"

Round table organized by LaboRA, Department of Architecture, University of Ferrara

Webinar

2 CFP for italian architects

Friday, 25 March 2022

10:00 am - 12:30 pm

Event simultaneously translated into English





GIORNATE DEL RESTAURO E DEL PATRIMONIO CULTURALE



Università degli Studi di Ferrara



# Round table

### "ART AND RESTORATION: REFLECTIONS ON THE CONCEPT OF CREATIVITY IN ARCHITECTURAL RESTORATION"

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Dipartimento

Architettura

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#### Partnership











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Università degli Studi di Ferrara DA Dipartimento Architettura Ferrara



# Round table

### "ART AND RESTORATION: REFLECTIONS ON THE CONCEPT OF CREATIVITY IN ARCHITECTURAL RESTORATION"

Round table organized by LaboRA, Department of Architecture, University of Ferrara

### Friday, 25 March 2022

10:00 am - 12:30 pm

## Webinar

2 CFP for italian architects

#### Moderator:

Alessandro Ippoliti, University of Ferrara

#### Participants:

Riccardo Dalla Negra, University of Ferrara Bianca Gioia Marino, 'Federico II' University of Naples

Pietro Ruschi, University of Pisa

Claudio Varagnoli, "Gabriele D'Annunzio" University of Chieti-Pescara

Recent events have brought to the attention of the public a topic that is extremely easy to state but difficult to unravel on a theoretical level: the relationship between art and restoration. In particular, two speeches caused much discussion, generating many doubts, even among academics, as well as a great deal of consensus. We are referring to the Basilica of Siponto, with the imposing structure designed by the artist Edoardo Tresoldi, and to the Church of San Gennaro in Capodimonte, with the colourful overwriting by the architect-artist Santiago Calatrava. However, others could be mentioned, like the "Column in the Void" by Ettore Spalletti in Palazzo Ardinghelli in L'Aguila, or the "Cosmic Magnet" by Gino De Dominicis in the Church of the Santissima Trinità in Annunziata di Foligno. These are works of a permanent nature that have ended up 'swallowing' the original buildings housing them. Therefore, the participants will be asked to discuss this point: can the artistic gesture, necessarily independent and individualistic, 'solve' a restoration, and therefore an architectural, question? How should these works be considered, since they are no longer included as 'installations', but as co-substantial elements?

We believe that this round table can provide significant material for reflection.



# Conference

"STANDARDS, PROTOCOLS AND BEST PRACTICES FOR THE DIGITAL DOCUMENTATION OF THE CULTURAL HERITAGE" ORGANIZED BY CSN ICOMOS CIPA-HD

Webinar

2 CFP for italian architects





# Friday, 25 March 2022

2:30 pm - 4:30 pm

Event simultaneously translated into English



Consiglio Internazionale dei Monumenti e dei Siti Comitato Nazionale Italiano

CSN ICOMOS "CIPA-HD, Documentazione del Patrimonio Culturale"



GIORNATE DEL RESTAURO E DEL PATRIMONIO CULTURALE



Università degli Studi di Ferrara DA Dipartimento Architettura Ferrara



CSN ICOMOS "CIPA-HD, Documentazione del Patrimonio Culturale"

# Conference

# "STANDARDS, PROTOCOLS AND BEST PRACTICES FOR THE DIGITAL DOCUMENTATION OF THE CULTURAL HERITAGE"

ORGANIZED BY CSN ICOMOS CIPA-HD

Friday, 25 March 2022 2:30 pm - 4:30 pm

# Webinar

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Regione Emilia-Romagna Agenzia Regionale per la Ricostruzione



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Registration on iMateria available from 9 March



Università degli Studi di Ferrara Dipartimento Architettura Ferrara



CSN ICOMOS "CIPA-HD, Documentazione del Patrimonio Culturale"

# Conference

# **"STANDARDS, PROTOCOLS AND BEST PRACTICES FOR THE DIGITAL DOCUMENTATION OF THE CULTURAL HERITAGE"**

### ORGANIZED BY CSN ICOMOS CIPA-HD

### Friday, 25 March 2022

2:30 pm - 4:30 pm

# Webinar

2 CFP for italian architects

#### Abstract

The CSN ICOMOS CIPA-HD Documentation of Cultural Heritage, set up within Area 2 - "Technology and diagnostics" - of the national CSN ICOMOSs, aims to promote, at national and international level, the conservation, protection, renovation and enhancement of monuments, building complexes and sites in accordance with the definitions referred to in Article 3 of the ICOMOS statute. The current range of uncontested cultural heritage documentation includes an astounding plurality of voices, dialects and languages, with a total lack of standardized (or performance-repeatable) and univocal references with which to regulate the practices, methods, minimum requirements, indices and parameters to be used to verify the accuracy and reliability of the data that is produced, in compliance with defined purposes and according to consistent methodological processes.

Through this event, the CSN ICOMOS CIPA-HD Documentation of Cultural Heritage aims to contribute to the development of guidelines, best practices, performance-repeatable processes and protocols that are internationally recognized and applicable, in order to ensure the accuracy, reliability, certainty and verifiability of the results, and the spatial and temporal comparability of the latter.

#### Institutional greetings:

Maurizio Di Stefano, President ICOMOS Italy

#### Introduction:

Grazia Tucci, Marcello Balzani, Coordinators CSN ICOMOS CIPA-HD Documentation of the Cultural Heritage

#### Speakers:

Paolo Salonia, Executive Director ICOMOS, Institute of Cultural Heritage Sciences, ISPC CNR (Maybe) it's time to take down the Tower of Babel

#### Erminio Canavese, Virtualgeo srl

Digital Reality: knowledge, methods and multidisciplinary technologies

### Lidia Fiorini, GeCo laboratory, University of Florence

Metric documentation of the built historical heritage in Italian technical regulations.

#### Federica Maietti, Marco Medici, Department of Architecture, University of Ferrara, 4CH

Strategies and guidelines for the digitization of the cultural heritage - The objectives of the European Commission

Final round table