

AFTER THE DAMAGES
Winter Focus

CLUST-ER BUILD
EDILIZIA E COSTRUZIONI

Interreg
Italy - Croatia
FIRESPILL
European Regional Development Fund



DIGITAL & BIM Italia

Advanced training focus - [Online event](#)

BIM&Digital Innovation and digital transformation of the built environment

The International Academy After the Damages, the Clust-ER BUILD and the Firespill Project - Interreg Italy-Croatia collaborate with the BIM&Digital Award 20 for the Winter Focus 2020 scheduled for the days of 1st, 2nd and 15th December focusing on BIM and Digital. At the end of the three intensive days, the Award ceremony of the BIM&Digital Award 20 will be held, an international competition for design and digitization of the BIM process.



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The International Academy "After the Damages" project has received funding from the Emilia Romagna Region in the scope of the three-year higher education projects in the cultural, economic and technological fields pursuant to art. 2 of the regional law n. 25/2018 approved by resolution of the Regional Council n. 1251/2019.

Partnership



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Organized by After the Damages International Academy, University of Ferrara, Department of Architecture, University of Modena and Reggio Emilia, Department of Engineering, University of Parma, Department of Engineering and Architecture;
Clust-ER BUILD, Clust-ER Building and Construction, High Technology Network of Emilia-Romagna;
“Firespill” project, Interreg Italy-Croatia, Emilia-Romagna Region, European Policy Coordination Service, Programming, Cooperation and Evaluation;
Agency for Reconstruction – 2012 Earthquake, Emilia-Romagna Region.

In collaboration with BIM&Digital Award 20

1st December 2020 · 14:00-18:00

BIM: tools for governance, project innovation and territorial development

2nd December 2020 · 14:00-18:00

Integrated digital technologies for the intervention on the existing built heritage

15th December 2020 · 9:30-13:00

Innovation and project: BIM, digitization and social innovation

BIM&Digital Award 20

15th December 2020 · 14:00-18:00

Award Ceremony

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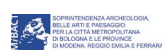


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1st December 2020 - 14:00-18:00 (Italy time)

BIM: tools for governance, project innovation and territorial development

Introduces and moderates

Marcello Balzani, University of Ferrara, Department of Architecture, *After the Damages International Academy*

Intervene

Stefania Leoni, ART-ER, Attractiveness, Research and Territory; in collaboration with European Policy Coordination, Programming, Cooperation and Evaluation Service, Emilia-Romagna Region;

Referent of the Technical Secretariat - join Secretariat, INTERREG V A, ITALY-CROATIA 2014-20 programme

Lead partner of the FireSpill project, RERA development agency of Croatia, Spalato

The role of the Ministry for the new challenges of digitization

Pietro Baratono, Head Department Infrastructures, Systems Informative and statistical of the Ministry of Infrastructures and the Transports

Digitisation of Cultural Heritage, scenarios and perspectives

Laura Moro, Central Institute for the Digitisation of Cultural Heritage – Digital Library, Ministry of Cultural Heritage and Activities and Tourism

PoliTO Observatory: BIM and InfraBIM for governance, project and public procurement. Experiences in Turin and the Piedmont Region

Anna Osello, Information Technology Strategies Commission, Politecnico di Torino, DISEG – Department of Structural Engineering, Construction and Geotechnics
Governance and innovation in the seismic risk cycle – the Eucentre management approach
Fabio Germagnoli, General Director of EUCENTRE Foundation, President SCC Cluster Lombardy

Research and Enterprise: the ecosystem of the Emilia-Romagna Region

Morena Diazzi, General Manager Economics of knowledge, work and enterprise, Emilia-Romagna Region

BIG DATA and Artificial Intelligence: new scenarios for regional technological growth

Patrizio Bianchi, University of Ferrara and International Big Data and Artificial Intelligence Foundation for Human Development



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2nd December 2020 - 14:00-18:00 (Italy time)

Integrated digital technologies for the intervention on the existing built heritage

Introduces and moderates

Marcello Balzani, University of Ferrara,
Department of Architecture, *After the Damages*
International Academy

The impact of Industry 4.0 and BIM on existing built heritage

Cettina Santagati, University of Catania,
Department of Civil Engineering and
Architecture

Cecilia Bolognesi, Politecnico di Milano,
Department ABC

Digitalization and construction sector: scenarios and standards

Paolo Odorizzi, Technical Director
Harpceas s.r.l.

BIMplement and BEEP projects (Bim for Energy Efficiency in the Public Sector)

Lucía Ramirez Pareja, Coordinator of the BEEP project in Spain - Architect. International RDI Department. IVE (Valencia Institute of Building)

Tools for the existing built heritage project: FAU of Vilanova Artigas in USP, San Paulo, Brazil

Claudia Olivera, Fabio Gallo, Faculdade De Arquitetura e Urbanismo da Universidade de São Paulo

Digital photogrammetric aerial survey of the calidarium, Salamis, Cyprus

Alessandro Camiz, Özyeğin University, Istanbul
Marika Griffio, "Sapienza", University of Rome
Alessandra Tedeschi, Sovrintendenza Capitolina ai Beni Culturali

Technologies for the digitisation of the supply chain

Marco Labate, 3D Image Division Manager,
Trimble Geospatial



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15th December 2020 - 9:30-13:00 (Italy time)

Innovation and project: BIM, digitization and social innovation

Introduces and moderates within the framework of the Value Chain Conservation and Enhancement of Heritage Built, Historical and Artistic (INNOVA-CHM)

Marcello Balzani, Clust-ER BUILD, Emilia-Romagna High Technology Network

The eBIM project: existing Building Information Modeling for the management of the intervention on the existing built heritage

Chiara Vernizzi, CIDEA, Interdepartmental Centre for Energy and the Environment, University of Parma

eBIM: from the integrated survey of the existing to the digital representation in BIM environment. The role of case studies

Roberto Mazzi, Massimo Cotti, CIDEA, Interdepartmental Centre for Energy and the Environment, University of Parma

eBIM: from surveying to structural modelling for the assessment of building safety

Claudio Mazzotti, Francesca Ferretti, CIRI, Interdepartmental Centre for Industrial Research, Building and Construction, Alma Mater Studiorum – University of Bologna

eBIM: protocols of survey and representation for the intervention on the existing built heritage. The case study of the Teatro Borgatti

Fabiana Raco, Teknehub Laboratory, University of Ferrara

BIM: integrated digital models for the existing BIM. Ceramic materials

Barbara Mazzanti, Ceramic Centre

eBIM: the role of materials and components in the implementation of the semantic database and eBIM platform

Luca Laghi, CertiMaC

Monitoring of built heritage: tools and methods

Alessandro Capra, Cristina Castagnetti, CRICT, Interdepartmental Research and Services Centre in the Construction and Territorial Sector of the University of Modena and Reggio Emilia

Digital instruments for the regeneration value-chain (DI4R)

Sandra Dei Svaldi, Larcoicos, Consorzio RiCos

Public housing: from management to social innovation

Marco Corradi, President of ACER Reggio Emilia

Digitalization and built heritage: Public Residential Building and BIM innovation

Cecilia Bognesi, Politecnico of Milan, Department ABC

Tools for social innovation

Gianni Lodi, Ilaria Fabbri, Raise>Up spin off

Digitisation tools: block-chain technology

Gianluca Cristoforetti, GFT Italy



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15th December 2020 - 14:00-18:00 (Italy time)

BIM&Digital Award 20 | Award Ceremony

Award of the finalists and proclamation of the winners of the Fourth Edition of the **BIM&Digital Award 20**, dedicated to the promotion of innovation and digital transformation of the built environment.

The award has been renewed with three new categories dedicated to the digitization of P.A, industrial research, such as projects financed by direct EU funds type Horizon2020, or indirect funds such as POR FESR, and also a category aimed at developing solutions, digital systems and technologies that have offered a positive and tangible response to the problems that arose with the Covid 19 pandemic.

Introducono

Emilio Bianchi, General Director SENAF

Marcello Balzani, President Clust-ER BUILD

Angelo Ciribini, President of the Jury
BIM&Digital 20

Presentation of the finalist projects and announcement of the winners

Antonella Grossi, Councillor of the Order of Architects of Bologna

Silvia Rossi, Clust-ER BUILD Manager

Prize Categories

1. Commercial, tertiary and large buildings
2. Public Buildings
3. Infrastructures
4. Small projects
5. Restoration and enhancement of heritage
6. BIM initiative of the year
7. Digital technologies for the construction process
8. Research (thesis, doctorate or master's degree, ...)
9. Industrial research
10. Digital & Covid
11. PA and Digitalization

The jury Members

Angelo Ciribini (President of the jury), University of Brescia

Marco Aimetti, National Council of Architects Planners Landscape Conservationists

Marcello Balzani, University of Ferrara, Clust-ER BUILD

Gabriele Bitelli, University of Bologna

Giovanni Cardinale, National Council of Engineers

Edoardo Cosenza, University of Naples

Matteo Del Giudice, Politecnico di Torino

Simone Garagnani, BIM Foundation Bologna

Andrea Giordano, University of Padua

Marco Giubilini, ANCI, Territorial government and digitalization

Antonella Grossi, Order of Architects of Bologna

Marco Mari, Green Building Council Italia

Silvia Mastrolembo Ventura, University of Brescia

Michele Ottomanelli, Technical Director of SAIE

Luca Ribichini, University of Rome

Francesco Ruperto, University of Rome

Maurizio Savoncelli, CNGeGL

Chiara Vernizzi, University of Parma



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