

ARCHITECTURE HERITAGE and DESIGN

Carmine Gambardella

XVI INTERNATIONAL FORUM

Le Vie dei  
Mercanti

CONFERENCE PROGRAM



# WORLD HERITAGE and KNOWLEDGE

Representation | Restoration | Redesign | Resilience



GANGEMI EDITORE®  
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INTERNATIONAL



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UNESCO Chair on Landscape, Cultural Heritage, and Territorial Governance; President and CEO of Benecon SCaRL Research Centre on Cultural Heritage, Ecology and Economy (Consortium of five Universities: University of Campania “Luigi Vanvitelli”, Pegaso University, University Federico II of Naples, University of Salerno, University of Sannio). Pro-Rector at the European Polytechnical University, EPU. Professor of Drawing at the Pegaso University and at the University of Campania. President of the International Forum of Studies ‘Le Vie dei Mercanti’ since its first edition in 2003. Honorary President of the Italian Committee of the Nation Fulbright Sector on Cultural Heritage Sustainable Development, Urban Planning, Architecture and Management of UNESCO World Heritage Sites. Editor and Founder of the series “Surveying is/or Project” and “Knowledge Factory”, “Architecture, Heritage and Design”. Component of the Scientific Committee of International Class A Magazine ‘Abitare la Terra’/ ‘Dwelling on Earth’.





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**ARCHITECTURE HERITAGE and DESIGN | 1**  
Collana fondata e diretta da Carmine Gambardella

## **ARCHITECTURE HERITAGE and DESIGN | 1**

Collana fondata e diretta da Carmine Gambardella

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**WORLD HERITAGE and KNOWLEDGE**  
**Representation, Restoration, Redesign, Resilience**

Le Vie dei Mercanti – XVI International Forum

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*Topics:*

*Heritage*

*Tangible and intangible dimensions*

*History*

*Culture*

*Collective Identity*

*Memory*

*Documentation*

*Management*

*Communication for Cultural Heritage*

*Architecture*

*Surveying*

*Representation*

*Modeling*

*Data Integration*

*Technology Platforms*

*Analysis*

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*Conservation*

*Restoration*

*Protection*

*Safety*

*Resilience*

*Transformation Projects*

*Technologies*

*Materials*

*Cultural landscapes*

*Territorial Surveying*

*Landscape Projects*

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*Government of the Territory*

*Sustainable Development*



## WORLD HERITAGE and KNOWLEDGE

Representation, Restoration, Redesign, Resilience

**Le Vie dei Mercanti**

**XVI International Forum**

Napoli | Capri

14 - 15 - 16 June 2018

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Conference program





**14 June 2018    Monumental Complex of Santa Chiara  
Maria Cristina Aula Magna – Historical Centre of Naples**



**9.30    Registration**

**10.00    Introduction**

**Prof. Arch. Carmine GAMBARDELLA**

UNESCO Chair on Landscape, Cultural Heritage and Territorial Governance, General Chair of the XVI Forum

**Welcome / Institutional Greetings**

**Video-message**

**Prof. Stefania GIANNINI**

UNESCO Assistant Director-General for Education

**Prof. Rosanna CIOFFI**

Pro-Rector for Culture, University of Campania 'Luigi Vanvitelli'

**Prof. Luigi MAFFEI**

Director of Department of Architecture and Industrial Design  
University of Campania 'Luigi Vanvitelli'

**President Michael SCIASCIA**

Tribunal of Court of Auditors of Campania

**Dr. Maurizio SANTISE**

TAR Tribunal in Naples

**Prof. Francesco FIMMANÒ**

University of Molise, Scientific Director of Pegaso University and  
Mercatorum University

**Dr. Danilo IERVOLINO**

President Pegaso University

**Dr. Ana Luiza THOMPSON-FLORES**

Director of the UNESCO Regional Bureau for Science and Culture  
in Europe (delegated by the UNESCO Director General)

**Ambassador Lucio SAVOIA**

Italian National Commission for UNESCO

**Award Ceremony and Exposition of**

**THE INTERNATIONAL COMPETITION OF DESIGN**

**‘The evanescent border between the already done and what to do’**

**Lectio Magistralis**

**Prof. Orazio CARPENZANO**

Director of the Department of Architecture and Design  
Sapienza University in Rome

**11.30 / 13.30**

**I SESSION**

**Monumental Complex Of Santa Chiara, Naples**

Chair

**Carmine GAMBARDELLA**

UNESCO Chair on Landscape, Cultural Heritage and Territorial  
Governance, General Chair of the XVI Forum

ID 021

**Francesco FABBROCINO**

Pegaso University

*Analysis of Masonry Ancient Neapolitan Helical Staircases*

ID 026

**Claudia DE BIASE**

University of Campania

*The recovery of illegal settlements: possibilities*

ID 054

**Simona BONELLI, Massimo ROVAI, Maria ANDREOLI**

University of Pisa

*A spatial multi-criteria analysis model to identify intervention strategies for the recovery of abandoned olive groves. The case study of Lucca Hills*

ID 199

**Sabina MARTUSCIELLO, Maria Dolores MORELLI**

University of Campania

*Redesign + Resilience = University-School-Companies-Institutions*

ID 086

**Maria Rita PINTO, Katia FABBRICATTI, Lucie BOISSENIN**

University of Naples, Federico II

Ecole Nationale Supérieure d'Architecture de Grenoble

*The approach of the Resilience to the cultural heritage of the inner areas: new tools of knowledge and adaptive management*

ID 123

**Anna SCOTTO DI SANTOLO, Giovanni FORTE,  
Melania FALCO, Antonio SANTO**

Pegaso University, University of Naples Federico II

*Sinkhole in the metropolitan area of Naples*

ID 048

**Ingrid TITOMANLIO, Giuseppe FAELLA, Vito IANNACCONE**

University of Campania

*Seismic safety evaluation and push over analysis of the oldest church in Capocastello (AV)*

ID 017

**Pasquale MIANO**

University of Naples "Federico II"

*Research and design in the area of Early Christian basilicas in Cimitile*

ID 167

**Jurji FILIERI, Elisabetta BENELLI, Laura GIRALDI**

University of Florence

*Design 4.0. Practices and processes of diffuse and circular design for the enhancement and development of local cultural heritage*

13.30-15.00

**Buffet**

**Monumental Complex of Santa Chiara, Naples**

**14 June 2018      II SESSION**  
**15.00 / 20.00    Monumental Complex of Santa Chiara, Naples**

Chair    **Mosè RICCI**  
University of Trento

ID 073

**Riccardo SERRAGLIO**

University of Campania

*Architectural experiences in the churches of the foundation centers of the "Opera Nazionale per i Combattenti"*

ID 133

**Antonio MATASSO**

Pegaso University

*Resilience Transformation Projects*

ID 071

**Vincenzo PINTAUDI**

Università degli Studi di Messina

*The commercial relations between Great Britain and the Kingdom of the Two Sicilies in the XIX Century*

ID 146

**Annachiara PIRO, Annalaura VUOTO, Filomena DE SILVA, Pierpaolo D'AGOSTINO, Fulvio PARISI, Francesco SILVESTRI, Anna SCOTTO DI SANTOLO**

Pegaso University

*Preservation of historic buildings: two examples in Sant'Agata de' Goti, Italy*

ID 202

**Danila JACAZZI, Raffaella FIORILLO**

University of Campania

*Know to preserve: Archaeological remains of the triconch architectures in Turkey*

ID 113

**Francesca MUZZILLO, Fosca TORTORELLI**

University of Campania

*A Resilient Environmental and Social Design Strategy*

ID 159

**Rita VALENTI, Claudia FARACI, Sebastiano GIULIANO,  
Emanuela PATERNO, Flavio SPADARO**

University of Enna

*Survey between protection and orientation of transformations. The case study of Floridia*

ID 203

**Salvatore LOSCO**

University of Campania

*Green infrastructures and Eco-Planning: the Aversa conurbation*

ID 058

**Marco CALABRO'**

University of Campania

*New trends in local government policies: between the need for reducing land consumption and participatory urban regeneration models*

ID 068

**Francesca ACCICA, Irene POLI,  
Chiara RAVAGNAN, Francesca ROSSI**

Sapienza University of Rome

*The role of Italian cultural heritage in sustainable urban regeneration. New references from four case studies*

ID 110

**Anna MANDIA**

University of Campania

*"... But what use is this art history?"*

ID 116

**Giancarlo RAMAGLIA, Francesco FABBROCINO,  
Gian Piero LIGNOLA, Andrea PROTA**

Federico II – Pegaso University

*Ductility-based incremental analysis of masonry structures strengthened with composites*

ID 141

**Daniela CACACE, Gianfranco DE MATTEIS**

University of Campania

*Typological classification of vaulted structures in masonry churches*

ID 163

**Mariacarla PANARIELLO**

University of Campania

*The implementation of the Smart City paradigm in complex and user-centric domains*

ID 013

**Simone LUCENTI**

University of Pavia

*SWOT analysis for the redesign of historic university building stock*

ID 019

**Alberto BUDONI, Maria MARTONE**

Sapienza University of Rome

*The newly founded centers in the Agro Pontino: from the local to the global, from the past to the contemporary, to the future*

ID 004

**Pedro António JANEIRO**

Universidade de Lisboa

*Drawings and Paradoxes: The Image and the Three Fictional Dimensions of Architecture*



**15 June 2018**    **Hotel La Palma – Via Vittorio Emanuele No. 39, Capri**  
**14.30**        **Welcome Coffe**

**15 June 2018**    **Hotel La Palma – Sala Pagano, Capri**

**15.00**        **Institutional Greetings**

**Prof. Arch. Carmine GAMBARDELLA**

UNESCO Chair on Landscape, Cultural Heritage and Territorial Governance, General Chair of the XVI Forum

**Prof. Giuseppe PAOLISSO**

Rector University of Campania ‘Luigi Vanvitelli’

**15.30**        **Lectio Magistralis**

**Prof. Arch. Paolo PORTOGHESI**

Director of the international A Class magazine ‘Dwelling on Earth’

**15 June 2018**    **III SESSION**  
**17.00 / 20.00**    **Hotel La Palma – Sala Pagano, Capri**

Chair        **Massimo GIOVANNINI**

ID 022

**Enrico PIETROGRANDE, Alessandro DALLA CANEVA**

University of Padua

*Recomposition of architecture in the historical city. The San Bernardino area in Padua, Italy*

ID 023

**Beata MAKOWSKA**

Cracow University of Technology, Polonia

*Facades of Krakow's townhouses from the turn of the 19th and 20th century – protection and restoration*

ID 024

**Sara CARVALHO, António LEITE, Jorge RIBEIRO**

University of Lisbon. Portugal

*Sustainable rehabilitation and reconversion of Palácio da Rosa (Lisbon) in a dance school*

ID 032

**Francesco MAGLIOCCOLA**

University of Partenope

*The Chinese house inside the ex-foreign concession in Hankou: description of Lifan*

ID 033

**Joanna CZAPLIŃSKA**

University of Opole, Polonia.

*Literature as a representation of changes in urban landscapes after 1945 (on Polish, Czech and Slovak examples)*

ID 037

**Takeyuki OKUBO**

Institute of Disaster Mitigation for Urban Cultural Heritage Kyoto

*Japan Traditional Knowledge of Disaster-Resilient Design in World Cultural Heritage, Japan. For Conserving Cultural Conservation and Disaster Mitigation*

ID 046

**Maria NATALE**

Pegaso University

*To save from oblivion and destruction. A historical-juridical perspective on the cultural heritage's protection.*

ID 051

**Giuseppe ROMANATO**

Politecnico di Milano

*The Visibility of the Monumental Heritage and the Network Society*



ID 055

**Silvia MICHELOTTI, Massimo ROVAI, Maria ANDREOLI**

University of Pisa

*Landscape redevelopment as a tool for the enhancement of rural areas. A project proposal for the case study area of Padule di Bientina (Lucca – Italy)*

ID 059

**Alberto FRANCHI, Pietro CRESPI,**

**Marco ZUCCA, Nicola GIORDANO**

Politecnico di Milano

*The main pillars reconstruction of the Basilica di Collemaggio*

ID 064

**Giuliana QUATTRONE**

National Research Council of Italy

*Smart urban solutions to preserve cultural landscapes and territorial collective identity dealing demographic pressures*

**15 June 2018**

**17.00 / 20.00**

**IV SESSION**

**Hotel La Palma – Sala Relais, Capri**

Chair

**Rosaria PARENTE**

Pegaso University

ID 061

**Alessandra PUSCEDDU, Mario CERASOLI**

Roma Tre University

*The earthen architecture culture and Campidanese House. Strategies for recovery and enhancement of the Quartu Sant'Elena's Old Town Centre*

ID 062

**Alberto GNAVI**

Politecnico di Torino, Silvia Maria RIPA

VIA ingegneria/architettura Roma

*Sicilian rural borghi, urban and architectural entities between concreteness and immateriality*

ID 065

**José Miguel SILVA**

University of Lisbon

*The built heritage copied and replicated. Reproduction processes of the urban heritage: transcription, restitution and displacement*

ID 069

**Chiara AMATO, Giulia BEVILACQUA, Silvia URAS**

Sapienza University of Rome

*Smart Heritage Strategy: a new intelligence for resilient historical centers*

ID 091

**Cristiana CARLETTI**

Roma Tre University

*From the traditional to the virtual museum: a strategic cultural, social, environmental and economic resource for Europe*

ID 077

**Laura GIRALDI, Elisabetta BENELLI, Juriji FILIERI**

University Of Florence

*The Design to valorise local tradition in exhibitions for future generation*

ID 080

**Agnieszka KOSIK-WOLNY**

Wroclaw University of Science and Technology, Polonia

*Made in stone*

ID 187

**Maria Grazia CIANCI, Francesca Paola MONDELLI**

Roma Tre University

*Hidden river: recovering the memory of a city*

ID 109

**Calogero MONTALBANO**

Polytechnic in Bari

*Derna: Gate of Libya. Tradition versus local identity: urban master plan for its rehabilitation proposal*

ID 018

**Nadia FABRIS**

Politecnico di Torino

*The landscape as a testimony, or a resource for the future?*

**15 June 2018    Galeotta Home – Via Don Giobbe Ruocco No. 20, Capri**

**21.00    GALA DINNER**

**16 June 2018    Hotel La Palma – Sala Pagano, Capri**

**9.30    ROUND TABLE**

Moderator    **Prof. Carmine GAMBARDELLA**  
UNESCO Chair on Landscape, Cultural Heritage and Territorial  
Governance, General Chair of the XVI Forum

**Prof. Giuseppe SACCONE**  
President of the European Polytechnical University

**Prof. Marin MARINOV**  
Rector of the European Polytechnical University

**Prof. Mosè RICCI**  
University of Trento

**Prof. Arch. Maurizio CARTA**  
Director of the Polytechnical School of Palermo

**Prof. Arch. Michelangelo RUSSO**  
University of Naples 'Federico II'

**Prof. Antonio SGAMELLOTTI**  
University of Perugia

**Dr. Marco MONTECCHI**  
Director of the Italian Chamber of Commerce in Bulgaria

**16 June 2018    V SESSION**  
**11.30    Hotel La Palma – Sala Pagano, Capri**

Chair    **Francesca MUZZILLO**  
University of Campania

ID 049

**Michele MAGAZZU'**

University of Roma Tre

*Ancient roads of Southern Etruria: historical evolution and digital investigation*

ID 072

**Gracelyn CASSELL**

The University of the West Indies, Salem, Montserrat

*The Value of Social Media for Reconstructing Lost Heritage in the British Overseas Territory of Montserrat, Site of an Ongoing Volcanic Crisis*

ID 083

**Theresa TRIBALDOS**

University of Bern, Switzerland

*Integrating governance of the National Reserve of Coyhaique, Chile, into regional sustainable development*

ID 211

**Francesco VERDE**

Pegaso University

*The Real Estate Fund for the redevelopment of Public Administration Properties*

ID 084

**Marcello BALZANI, Fabiana RACO, Theo ZAFFAGNINI**

University of Ferrara

*Increasing resilience of Cultural Heritage Assets: the "BIMtoB Academy" project*

ID 085

**Cristina COSCIA, Rocco CURTO, Valeria GADALETA,**

**Jorge PEÑA DÍAZ, Diana ROLANDO**

Politecnico di Torino, Instituto Superior Politecnico CUJAE. La Habana, Cuba

*Enjoyment of the Cuban Contemporary Architectural Heritage: an innovative cultural visitor route to connect the UNESCO site of Old Havana to the National Schools of Art*

ID 088

**Ignacio BISBAL GRANDAL, Françoise Anais LOUBIÈS,**

**Nicolás Andrés MORAGA HERRERA**

Universidad del Bío-Bío Concepción, Chile

*Landscape analysis of railway structures in heritage assessment: Bridges on the Victoria-Temuco railway line*

ID 090

**Angela Alessandra BADAMI**

University of Palermo

*Drawing as a tool for urban regeneration Application case: the Color Plan of the Egadi Islands*

ID 092

**Francesco DI PAOLA, Giovanni FATTA, Calogero VINCI**

Polytechnic School of Palermo

*Wedge-shaped bricks spires. Construction and decorative aspects*

ID 098

**Maria Elisabetta RUGGIERO**

Genoa University Polytechnic School

*The representation of complex systems. New communication strategies*

ID 100

**Alessia SILVETTI, Chiara BONAITI**

**Mattia ALBERGANTI, Benida KRAJA**

Politecnico di Milano

*How the historical heritage affects the urban flow of people? The case study of Lecco*

ID 101

**Ernesto ECHEVERRÍA, Flavio CELIS**

**Antonio MORALES, Fernando DA CASA**

University of Alcalá, Madrid

*The tumb of Henenu, Luxor, Egypt: underground surveying*

ID 102

**Mónica MARTÍNEZ, Ernesto ECHEVERRÍA**

**Gonzalo GARCÍA-ROSALES, Kevin MORENO GATA**

University of Alcalá, Spain

*The preservation of the architectural heritage of the twentieth century: the laminar structures of reinforced concrete*

ID 104

**Elina GUGLIUZZO**

Pegaso University

*Decline and Resilience of a Mediterranean City: the Case of Syracuse during Thirteenth Centuries*

ID 105

**Alberto CUSTODI**

University of Bologna

*The Sanctuary of Santa Maria delle Grazie at Fornò: studies for the restoration and seismic strengthening*

ID 74

**Carla CHIARANTONI**

Polytechnic in Bari

*Functional behaviors in the requalification of public residential buildings*

ID 006

**Antonello MONACO**

Università degli Studi Mediterranea di Reggio Calabria

*Reconstruction, Addition, Grafting, Overlapping and Subtraction. Five Approaches to Intervention in Historic Contexts*

**16 June 2018**    **Hotel La Palma, Capri**  
**13.30-15.00**    **Lunch**

**15.00**    Presentation by **Antonella GRECO**, Sapienza University of Rome, of the book:

**Giovanna CASSESE** (2016)

*Patrimoni da svelare per le Arti del futuro*

Gangemi Editore International Publishing

**16 June 2018**    **VI SESSION**  
**16.00**    **Hotel La Palma – Sala Pagano, Capri**

Chair    **Alessandro CIAMBRONE**  
Pegaso University

ID 161

**Etleva BUSHATI, Florian NEPRAVISHTA**

Universiteti Politeknik i Tiranës

*The museum building and its role in conservation of artifacts in Albania*

ID 011

**Andrea ORTEGA**

University of Melbourne Australia

*An evaluation on how to implement the Historic Urban Landscape (HUL) approach in a critical case study: the city of Valparaíso, Chile*

ID 120

**Bernardino CHIAIA, Antonio VENTURA**

Politecnico di Torino

*The role of overstrength in damage propagation and monitoring of architectural heritage*

ID 111

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