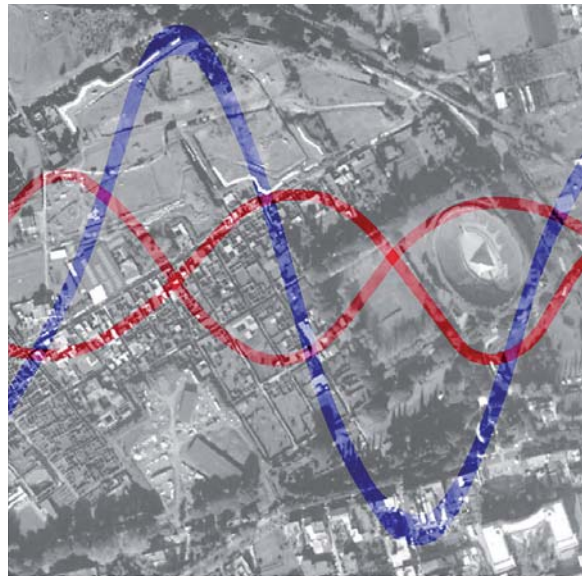


ARCHITECTURE HERITAGE and DESIGN

Carmine Gambardella

XVII INTERNATIONAL FORUM

Le Vie dei
Mercanti



WORLD HERITAGE
and LEGACY

WORLD HERITAGE and LEGACY

Culture | Creativity | Contamination



GANGEMI EDITORE[®]
INTERNATIONAL

Carmine Gambardella
WORLD HERITAGE and LEGACY
Culture, Creativity, Contamination
Le Vie dei Mercanti
XVII International Forum

Editing: Alessandro Ciabrone

©
Proprietà letteraria riservata
Gangemi Editore spa
Via Giulia 142, Roma
www.gangemieditore.it

Nessuna parte di questa
pubblicazione può essere
memorizzata, fotocopiata o
comunque riprodotta senza
le dovute autorizzazioni.

*Le nostre edizioni sono disponibili in Italia
e all'estero anche in versione ebook.
Our publications, both as books and ebooks,
are available in Italy and abroad.*

ISBN 978-88-492-3751-1

ARCHITECTURE HERITAGE and DESIGN | 3
Collana fondata e diretta da Carmine Gambardella

ARCHITECTURE HERITAGE and DESIGN | 3

Collana fondata e diretta da Carmine Gambardella

Scientific Committee:

Carmine Gambardella

UNESCO Chair on Landscape, Cultural Heritage and Territorial Governance
President and CEO of Benecon
Past-Director of the Department of Architecture and Industrial Design
University of Campania "Luigi Vanvitelli"

Federico Casalegno

Massachusetts Institute of Technology, Boston

Massimo Giovannini

Professor, Università "Mediterranea", Reggio Calabria

Bernard Haumont

Ecole Nationale Supérieure d'Architecture, Paris-Val de Seine

Alaattin Kanoglu

Head of the Department of Architecture, İstanbul Technical University

David Listokin

Professor, co-director of the Center for Urban Policy Research
of Rutgers University / Edward J. Bloustein School of Planning and Public Policy, USA

Paola Sartorio

Executive Director, The U.S.- Italy Fulbright Commission

Elena Shlienkov

Professor of Architecture and Construction Institute of Samara State Technical University

Isabel Tort Ausina

Universitat Politècnica De València UPV, Spain

Nicola Pisacane

Professor of Drawing
Department of Architecture and Industrial Design_University of Studies of Campania
Head of the Master School of Architecture - Interior Design and for Autonomy Course

Pasquale Argenziano

Professor of Drawing
Department of Architecture and Industrial Design_University of Studies of Campania "Luigi Vanvitelli"

Alessandra Avella

Professor of Drawing
Department of Architecture and Industrial Design_University of Studies of Campania "Luigi Vanvitelli"

Alessandro Ciabrone

Ph.D. in Architecture (University of Campania) and Territorial Governance (Université Paris X)
UNESCO Vocations Patrimoine 2007-09 / FULBRIGHT Thomas Foglietta 2003-04

Rosaria Parente

Ph.D. in "Architecture, Industrial Design and Cultural Heritage" at University of Studies of Campania "Luigi Vanvitelli"

Editorial Committee:

Pasquale Argenziano
Alessandra Avella
Alessandro Ciabrone
Nicola Pisacane
Rosaria Parente

Carmine Gambardella

**WORLD HERITAGE and LEGACY
Culture, Creativity, Contamination**

Le Vie dei Mercanti _ XVII International Forum

GANGEMI EDITORE[®]
INTERNATIONAL

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
Diagnosis and Monitoring Techniques
Conservation
Restoration
Protection
Safety
Resilience
Transformation Projects
Technologies
Materials
Cultural landscapes
Territorial Surveying
Landscape Projects
Environmental Monitoring
Government of the Territory
Sustainable Development

WORLD HERITAGE and LEGACY
Culture, Creativity, Contamination

Le Vie dei Mercanti
XVII International Forum

Naples | Capri
6 - 7 - 8 June 2019

President of the Forum

Carmine Gambardella
President and CEO Benecon,
UNESCO Chair on Cultural Heritage,
Landscape and Territorial Governance

International Scientific Committee

Components:

Aygul Agir,
Professor, Department of Architecture, Istanbul Technical University, Turkey

Ahmed Abu Al Haija,
Professor and Head, Environmental Design,
Urban and Architectural Heritage,
Faculty of Engineering, Philadelphia University, Jordan

Ali Abu Ghanimeh,
Vice president Al al-Bayt University Almafraaq – Jordan

Pilar Garcia Almirall,
Professor, UPC Ecole Tecnica Superior d'Arquitectura Barcelona, Spain

Harun Batirbaygil,
Head, Department of Architecture, Okan University, Istanbul, Turkey

Artur Beu,
Professor, University of Art, Tirana, Albania

Cevza Candan,

Professor, İstanbul Technical University, Turkey

Federico Casalegno,

Professor, Massachusetts Institute of Technology, USA

Alessandro Ciambone,

Benecon UNESCO Chair, UNESCO and Fulbright Former Fellow, Italy

Joaquín Díaz,

Professor and Dean, Technische Hochschule Mittelhessen-University of Applied Sciences,
Department of Architecture and Civil Engineering, Germany

Yurdanur Dulgeroglu,

Professor and Head of the Department of Architecture, İstanbul Technical University, Turkey

Yonca Erkan,

Chairholder UNESCO Chair, Kadir Has University, Turkey

Kutgun Eyupgiller,

Professor, Department of Architecture, Istanbul Technical University, Turkey

Yankel Fijalkow,

Professor, Ecole Nationale Supérieure d'Architecture Paris Val de Seine, France

Xavier Greffe,

Professor and Director, Centre d'Economie de la Sorbonne Paris, France

Manuel Roberto Guido,

Director Enhancement of
Cultural Heritage, Planning and Budget Department, Italian Ministry of Heritage and Culture, Italy

Bernard Haumont,

Professor, Ecole Nationale Supérieure d'Architecture Paris Val de Seine, France

Tatiana Kirova,

Professor, Polytechnic of Turin, Italy

Alaattin Kanoglu,

Professor, İstanbul Technical University, Turkey

Ilknur Kolay,

Professor, Department of Architecture, Istanbul Technical University, Turkey

Mathias Kondolf,

Professor, Landscape Architecture and Environmental Planning, University California Berkeley

David Listokin,

Professor, Edward J. Bloustein School of Planning and Public Policy, Rutgers University, USA

Andrea Maliqari,

Professor and Rector of the Polytechnic University of Tirana, Albania

Sabina Martusciello,

Design and Communication Degree Course (President)
University of Campania 'Luigi Vanvitelli', Italy

Massimo Menenti,

Department of Geoscience and Remote Sensing, Faculty of Civil Engineering
Delft University of Technology, , The Netherlands

Rusudan Mirzikashvili,

Ministry of Cultural Heritage, Georgia

Doe Morelli,

Professor, University of Campania 'Luigi Vanvitelli', Italy

Louise Mozingo,

Chair, Landscape Architecture and Environmental Planning, University California Berkeley, USA

Maria Dolores Munoz,

Professor, UNESCO Chair, EULA Environmental Centre, University of Concepcion, Chile

Florian Nepravishta,

Dean of the Faculty of Architecture and Urbanism, Polytechnic University of Tirana, Albania

Luis Palmero Iglesias,

Politécnica de València UPV, Spain

Jorge Peña Díaz,

Professor, Facultad de Arquitectura, Instituto Superior Politécnico José Antonio Echeverría,
Cuba

Rosaria Parente,

Ph.D. in "Architecture, Industrial Design and Heritage" at University of Studies of Campania
"Luigi Vanvitelli", Benecon UNESCO Chair, Italy

Michelangelo Russo,

Professor, Università di Napoli Federico II, Italy

Paola Sartorio,

Executive Director, The U.S.- Italy Fulbright Commission, Italy

Lucio Alberto Savoia,

Ambassador, Secretary General Emeritus, Italian National Commission for UNESCO, Italy

Maria Anita Stefanelli,

Department of foreign languages, literature and Culture, Università degli studi RomaTRE, Italy

Elena Shlienikova,

Professor of Architecture and Construction Institute of Samara State Technical University,
Russia

Eusebio Leal Spengler,

Professor, Historiador de la Ciudad de La Habana, Presidente de Honor del Comité Cubano del
ICOMOS, Cuba

Isabel Tort,

Professor, Universitat Politècnica de València UPV, Spain

Andrey V. Vasilyev,

Head of Department, Samara State Technical University of Russian Federation

Yaliang Xiang,

Professor, China Academy of Art, China

Yang XiuJing,

Professor and Director, China Academy of Art, China

Scientific and Organizing Local Committee

Alessandro Ciambone, Coordinator of the scientific program and relationships with the
International Scientific Committee

Rosaria Parente, Scientific Assistant of the International Committee President

Luciana Abate, Giuliana Chierchiello, Vincenzo Ferraro Graphics and layout

Dario Martimucci, Web master

Peer review

Scholars has been invited to submit researches on theoretical and methodological aspects related to Smart Design, Planning and Technologies, and show realapplications and experiences carried out on this themes. Based on blind peer review, abstracts has been accepted, conditionally accepted, or rejected. Authors of accepted and conditionally accepted papers has been invited to submit full papers. These has been again peer-reviewed and selected for the oral session and publication, or only for the publication in the conference proceedings.

Conference report

300 abstracts and 650 authors from 39 countries:

Albania, Australia, Benin, Belgium, Bosnia and Herzegovina, Brasil, Bulgaria, California, Chile, China, Cipro, Cuba, Egypt, France, Germany, India, Italy, Japan, Jordan, Kosovo, Lalaysia, Malta, Massachusetts, Michigan, Montserrat, New Jersey, New York, New Zealand, Poland, Portugal, Russia, Serbia, Slovakia, Spain, Switzerland, Texas, Tunisia, Turkey, United Kingdom.

The XVII Forum “World Heritage and Legacy” addresses the issue of the handed down in the sense of transmission over time of generation, at the state of knowledge, the material and immaterial heritage that comes from the past. A generational commitment to operate, in the cyclical temporal process, in order to preserve and protect the cultural heritage; a duty of the present generations to deliver to the future generations the legacy of the past at least in the same conditions in which it is received.

A commitment that takes on an even more meaningful significance in a historical moment that is crossed by destructive and iconoclastic wars and by great migration phenomena involving abandonment of territories undermining the identities of places, traditions, material and immaterial culture, which characterize the Cultural Landscapes. A re-appropriation by humanity of the value of a biological continuity that is traceable in its genetic complexity as a custodian and bearer of the memory of the past and, at the same time, belonging to those who live in the future by living the present. Moreover, “to the state of knowledge” should not be interpreted as a limitation but as an exhortation not to live on the position income and above all to remind men that they were not “made to live like brutes but to follow virtues and knowledge”.

Knowledge therefore contains an evolutionary value in the history of progress. Where knowledge is substituted by acts or policies conducted by brutal and unreasonable actions against Humanity and its Patrimony, a fracture on historical continuity is created, which produces a negative value due to the great expenditure of economic resources and loss of human values . Therefore, in the awareness that the value produced by the past generations, which have given us and above all entrusted as heritage to be transmitted to the future is not commensurable to the value of time to re-establish and restore continuity to the regenerative space of the common good, it is impossible to activate more and more moments of reflection and I would say to monitor the behavior of supranational cultural policies.

This in the spirit of inducing to avoid the disastrous temporal intervals that involve serious losses of the human heritage, which break the glue that binds the generations. Architecture, Cities, Infrastructures and Landscape not only represent the form of time but all the disciplines that have contributed to and contribute to their characterization. The form of time is the body of a cultural program of society and the modifica-

tion project makes use of the knowledge at the date. Economics, mathematics, physics, in one the sciences are always traceable in the construction of man's works, from the simple artifact to monumental architectures, to cities, to large infrastructures. In fact, with the previous sixteen editions of the International Forum "Le Vie dei Mercanti" an interdisciplinary community has been created of about 6000 scholars and researchers, coming from over 50 Countries of the World. These have presented realized projects, theoretical research, good practices, technological innovations, which are recognized in the principles and actions to be carried out so that the Planet with its species can always adapt itself to the needs of humanity in a sustainable reciprocal relationship for the salvation of the same Planet. And if Beauty will save the world, the principles and actions shared in these sixteen previous years will find with the seventeenth Forum a moment of evaluation of the state of art so that they can increasingly reach, interest and belong to as many people as possible such as Governments, Institutions, Universities, and Enterprises.

This is to create and disseminate a new Humanism that acts as a generational glue through a review of the inheritance concept, or of an ongoing heritage formed by resources intended as lot, which, declined as an income statement, create solidarity, peace, trust, work with art and quality of life.

For these reasons and for the history of the Forum, I am sure that the scientific community will establish a debate in Naples and Capri on 6th, 7th and 8th of June which will bring further richness to the discussion among researchers who have faced the protection and safeguard of heritage handed down to us and the researchers who through their works will be the bearers of the future legacy.

*Carmine Gambardella
President and Founder of the Forum*

ID 186 *Sustainable urban planning for the revival and development of an African rural area*

Liala BAIARDI
Marco E. M.TALIANI
Michele UGOLINI

Polytechnic of Milan Italy

Mozambique's problem today is no longer only represented by the exceptional conditions of the emergency (floods, cyclones, epidemics) but by the rapid and uncontrolled urbanization. The paper objective is to determine guidelines that define the potential of an urban planning project for the revival and development of a rural area, through the urban restructuring of a location fallen into disuse. The text describes the application testing of a methodology of investigation, time to outline a cognitive basis to trace possible actions for improvement in respect of the identity of the place. Through the analysis of benchmarks and case studies the urban planning strategy is defined. It envisages the creation of an Ecological Municipal Park, as a tool for the sustainable development of the area, combined with the introduction of a university research centre that allows the restoration of the existing historical buildings. The results show that the establishment of the natural park can be used as guideline for the proper growth of the region, reducing the pressure of Maxixe urbanization process. Also, that the presence of an economic activity in the village improves the social and economic conditions of the surrounding rural communities. The research illustrated is part of the project development and experimentation awarded by the "Polisocial Award" of Politecnico di Milano.