

ARCHITECTURE HERITAGE and DESIGN

Carmine Gambardella

XVI INTERNATIONAL FORUM

Le Vie dei
Mercanti



WORLD HERITAGE and KNOWLEDGE

Representation | Restoration | Redesign | Resilience



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Peer review

Scholars has been invited to submit researches on theoretical and methodological aspects related to Smart Design, Planning and Technologies, and show real applications 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 35 countries:

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

Preface

In the present era, technologies are becoming increasingly important in helping and supporting man in research, knowledge and production activities, almost as if they were smart prostheses. With the theme of the XVI Forum "World Heritage and Knowledge", I propose to the International Scientific Community to debate and establish a comparison of knowledge carriers to communicate methodologies of good practices adopted and experiences in the use in the protection, conservation and safeguarding of cultural heritage and landscape as well as in the design of the "new, "that, adopting in the building processes and building construction Innovative Building Modelling, can realise a non-contemporaneity of what has the same date (Giulio Carlo Argan) respectful of the values of the pre-existing, legitimate because it participated ex ante and monitored becoming all its ethical, aesthetic and performance connotations.

With the Internet of things, for example, sensors that are used to produce data autonomously that widen the processes of knowledge on all levels, from the territory with its infrastructures, to the environment, to the artefacts entering into the body itself of their physicality, or, in the case of the new, building the project as a prediction throughout physical consistency.

Nevertheless, the use of new technologies allows for economies of scale, both temporal and economical, not only for the surveying and representation of the built and the territory in the analysis phase but above all for the management of the resulting data that makes the design activity of the restoration of the historical heritage and landscape or of the newly constructed in a single process no longer divided into steps but also unitary in concrete constructions and the realisation of the works, in the intermediate checks, in the testing, in the monitoring and in the programmed maintenance.

In conclusion, it is indispensable for the scientific community to highlight how technologies, without a responsible attitude that commit man's choices and knowledge in dealing with and planning appropriate responses to the issues and needs of the collective, can create a deception that unfortunately materialises with the subtle persuasion of uncontrolled astonishment that overwhelms the imagination.

*Carmine Gambardella
President and Founder of the Forum*

ID 090

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

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BADAMI**

University of Palermo, Italy

The Egadi Islands, at the western end of Sicily, preserve a cultural and environmental heritage of extraordinary originality. Man's work, over time, has transformed the landscape: the territory has been shaped by economic activities related to tuna fishing, stone extraction, agriculture. Today, the pressure of tourism threatens to upset this delicate balance built, in centuries, between people and environment. Therefore, the Municipal Administration decided to adopt a Color Plan to manage, in cultural terms, the inevitable processes of territorial transformations. The University and the INBAR (National Institute of Bio-architecture) collaborate with the Municipality to define the Guidelines. Drawing is used as a fundamental tool for analyzing, knowing, interpreting and communicating the specific characteristics of the landscapes of Favignana, Levanzo and Marettimo. The language of drawing is indispensable for the relief of architectures, traditional colors, intervisibility relationships, connections with the landscape. The local population has been involved in this process; in particular, young people, middle school students, high school students and university students were asked to express, with their drawings, the perception of the current landscape and the expectations regarding the desired landscape.