UID Awards 2021

Golden award to Carlo Bianchini

The UID Gold award recognizes a brilliant professor of our disciplinary field who made multiple contributions in the field of surveying and in the history of the scientific foundations of representation. Among the many interventions performed, it is worth mentioning the survey and BIM modeling of the buildings of Geology (Michelucci), Botany (Capponi) and Mathematics (Ponti) in the campus of Sapienza University.
Carlo Bianchini carries out an intense research activity that transversally embraces different themes of Drawing and participated in important national and international scientific cooperation projects: of particular relevance is his collaboration and partly direction of some Euromed Heritage Projects. Among the most significant recent works is the monograph on the Roman theaters of the Mediterranean published as part of his research activity in the Athena project.
Full Professor, since 2016 he is head of one of the most important Departments of an Italian Faculty of Architecture and in 2020 he was appointed pro-rector of Sapienza for the Area 22 Architectural Heritage.

Golden award to Livio De Luca

The UID 2021 Golden award is assigned to a brilliant researcher who outside the borders of his region and of Italy itself has found the most coveted awards in the field of Digital Heritage.
Livio De Luca, 44 years old, moved to France after graduating in architecture at the *Mediterranean* University of Reggio Calabria, is now Director of Research at CNRS (French National Center for Scientific Research) and head of the mixed research unit Map (*Modèles et simulations pour l'Àrchitecture et le Patrimoine*) in Marseille, where he still lives.
His research activity focuses on surveying, geometric modeling and semantic enrichment of digital representations of complex and stratified architectural subjects, as well as on the design and development of multidimensional information systems.
Editor of the Journal of Cultural Heritage (Elsevier) and associate editor of the Journal on Computing and Cultural Heritage (ACM).
He has received many international awards: his work was awarded in 2007 with the Pierre Bézier Prix of the Fondation Arts et Métiers, in 2016 he received the Médaille de la recherche et de la technique of the Académie d'Architecture, and in 2019 he was awarded with the Médaille de l'innovation of the CNRS.
Livio De Luca is currently coordinator of the digital data working group" of the scientific project of the CNRS and the Ministry of Culture for the restoration of Notre-Dame de Paris. A digital construction site, which has been called "the construction site of the century" by President Emmanuel Macron himself.

Silver award "Gaspare de Fiore"

Sandra Mikolajewska, Tecnologie digitali integrate per la conoscenza, la conservazione e la valorizzazione del patrimonio cultu-rale storico. Il teatro Farnese di Parma; tutor: prof. Andrea Zerbi.
For having analyzed in an exhaustive way with the methods and tools of the discipline of drawing the Farnese Theatre of Parma within a precise process of valorization and conservation of the cultural heritage. In particular, the punctual architectural survey of the actual state of affairs has allowed the construction of the virtual model. Moreover, the use of advanced technologies of 3D scanning and sampling has allowed a rigorous activity of comparison between the project made in 1619, the subsequent surveys and those of the reconstruction of the theater occurred after the complete destruction of 1944. In fact, the accurate investigation of the iconographic sources prior to the destruction has made possible the identification of the original figurative apparatus, no longer present, which has been simulated using video mapping techniques to return the work in its entirety decorative. The originality of the research, therefore, lies in having used the methodologies offered by the discipline of Drawing in its different forms to create a versatile digital model of the Farnese Theatre of Parma, usable both as a tool for knowledge and as a means for management, protection and conservation.

The Commission also unanimously proposes to the President to award 2 honorable mentions UID 2021 to the following PhD Theses:

Lucas Fabian Olivero, Hybrid Immersive Models from Cubical Perspective Drawings - Modelli Ibridi Immersivi da Disegni in Prospettiva Cubica; tutor: prof.ssa Adriana Rossi; co-tutor internazionale: prof. António Bandeira Araújo.
For having addressed in strictly disciplinary terms the role of cubic geometric projection and on spherical surface in the different applications offered by new technologies of virtual and augmented reality. The autographical iconographic apparatus allowed to verify the investigation procedures applied to appropriate case studies, also through direct interactive consultation through links available online.

Giorgia Potestà, Architettura Monumentale ed HBIM. Il Bel San Giovanni come paradigma per la modellazione del patrimonio storico costruito; tutor: prof. Carlo Bianchini; Co-Tutor: dott. Dominique Rissolo.
For investigating in experimental way the use of precise H-BIM technologies applied to the historical built heritage, iden-tifying advantages and criticalities in the investigation of a significant case study, such as the Baptistery of San Giovanni in Florence. The use of 3D survey, parametric modeling and semantic analysis has allowed the definition of a valid and coherent strategy in the context of elaborations of disciplinary field.