UID Awards 2023

Golden award to Francesco Cellini

The UID 2023 Golden award is assigned to an architect among the best-known protagonists of the so-called Roman school headed by Mario Ridolfi and Ludovico Quaroni.
He was an assistant, then researcher, from 1972 to 1986 at the Faculty of Architecture in Rome, collaborating in the courses of Ludovico Quaroni and then Carlo Aymonino.
In 1987 he was full professor of Composition at the Faculty of Architecture in Palermo; in 1994 he moved to the Faculty of Architecture at the University of Roma Tre, of which he was dean from 1997 to 2013. In 2015 he was appointed Professor Emeritus.
Francesco Cellini has been an Academician of San Luca since 1993, and served as president from 2019 to 2020. He received the International Prize of the Venice Biennale in 1991, and in 1996 he received the "President of the Republic" award for architecture.
He has participated in and qualified as a winner in numerous national and international competitions, including the 2006 competition for the Augusteo in Rome. This design activity has been exhibited in international and national exhibitions, published in various Italian and foreign books and journals, and reviewed by various critics; in this regard, it is worth mentioning the important monograph dedicated to his work published in 2016, with a critical essay by Francesco Dal Co, and the exhibition: *Architetture di Francesco Cellini. Disegno, Storia e Progetto*, organized in Venice by IUAV in 2017.
In his intense activity as a teacher and professional Francesco Cellini has always considered Drawing as a tool of thought, a language rich in expressiveness and technique. Through Drawing he has refined a way of designing and conceiving architecture, innovating techniques and tools according to the needs of the time, giving corporeity to the graphic structure, exalting the role of geometry and bringing out the construction of his own design ideation.

Golden award to Livio Sacchi

The UID 2022 Golden award is assigned to a scholar of Representation with scholarly interests directed toward innovation applied to the field of education, research and the profession.
He is responsible for architecture at the Institute of the Italian Encyclopedia founded by Giovanni Treccani, honorary president of Europan Italia, member of the board of Eurosolar.
Livio Sacchi has distinguished himself for his commitment to the National Council of Architects, Landscape Architects, Planners and Conservators; in 2006 he curated the Italian Pavilion for the International Architecture Exhibition of the Venice Biennale with Franco Purini and in 2010 the Inarch Pavilion. In 2009 he was awarded the "Sebetia-Ter" International Prize, Silver Plaque of the President of the Italian Republic.

His scientific and educational activity, evidenced by the most authoritative international journals, has always placed at the center what he calls "the question of architectural representation," from geometric fundamentals to multiscalar survey, addressing then, in depth the themes of the project and its developments in the digital field.
In 2000, with Maurizio Unali, he activated the website www.rappresentazione.it dedicated to research and didactics of representation in architecture.
His latest book, *Il mestiere di architetto*, outlines a series of possible solutions for the future of university education, on contemporary design and developments related to digitization, BIM, Big Data and artificial intelligence.

Silver awards "Gaspare De Fiore"

Martina Suppa, Optimisation of survey procedures and application of integrated digital tools for seismic risk mitigation of cultural heritage: The Emilia-Romagna damaged theatres; supervisors: prof. Marcello Balzani, prof. Arben Shtylla; external experts: prof. Federica Maietti, dr. Fabiana Raco
For scrupulously investigating the limits and potential of today's survey methods, linking them with parametric models typical of HBIM for the documentation, management and monitoring of historic theaters damaged by the 2012 earthquake. The rigorous structure of the thesis, the level of depth of the case studies covered, together with the richness and quality of the iconographic apparatus, confirm the cultural value and usefulness of an excellent research that, it is hoped, will be a harbinger of further developments.

Valeria Croce, Semantic annotation transfer and retrieval for architectural heritage. A methodological system combining Artificial Intelligence, H-BIM and collaborative reality-based annotation platforms; supervisors: prof. Gabriella Caroti, prof. Andrea Piemonte, prof. Marco Giorgio Bevilacqua, prof. Livio De Luca, prof. Philippe Véron
For researching an integrated scientific and methodological approach for retrieving and sharing semantic annotations for cultural heritage, employing 2D and 3D digital models, Artificial Intelligence algorithms, H-BIM environments, collaborative and reality-based annotation platforms. The proposed methodology is also validated on significant case studies of French and Italian architectural heritage, such as the Notre-Dame Cathedral in Paris and the Certosa Monumentale in Pisa, thus providing relevant input for the scientific design community.

Alessandro Martinelli, Principi teorici e sperimentazioni digitali finalizzate alla conoscenza e alla comunicazione della geometria delle forme; supervisors: prof. Graziano Mario Valenti, prof. Marta Salvatore
For tackling the topic of interactive digital representation, developing and testing a smartphone application dedicated to deepening the knowledge of geometry in space –and more specifically to ridged surfaces– through gamification-oriented augmented reality as a useful tool for teaching geometry in space. The proposed results manage to actualize one of the most relevant topics in the disciplinary tradition through an original, innovative and effective methodology.

Special mentions "Gaspare de Fiore"

Flavia Camagni, La Sala dei Cento Giorni a Palazzo della Cancelleria, un mondo sospeso tra realtà e illusione. Studio, interpretazione e rappresentazione delle Prospettive Architettoniche di Giorgio Vasari; tutors: prof. Marco Fasolo, prof. Leonardo Baglioni
For making a significant contribution to research in the area of painted architectural perspectives. The complexity of the case study is treated with extreme methodological rigor, ranging from historical, documentary and iconographic research, to the rules of perspective restitution in geometric and architectural terms, to arrive at Vasari's Quadraturist logics. The excellent iconographic apparatus, completely edited by the author, together with the experimentation with

new technologies for the fruition of the reconstructed architectures, confirm the validity of a research that offers solid potential for development.

Salvatore Damiano, Francesco La Grassa. Disegno e architettura; tutor: Francesco Maggio
For providing a significant contribution to research in the area of analysis and critical reinterpretation of drawings kept in architectural archives, also inherent to unbuilt or disappeared works. The punctual filing of the drawings, the rich iconographic apparatus, edited by the author, together with the graphic analysis and digital reconfigurations provide an important contribution to the understanding and fruition of the archival drawings, corroborating the effectiveness of a research that proposes interesting trajectories of development.

Federico Maria La Russa, 3DCITYGH: an Expeditious Parametric Approach for Digital Urban Survey and City Information Modeling of city-block Structural Models; supervisors: prof. Cettina Santagati, prof. Mariateresa Galizia, prof. Ivo Caliò, eng. Marco Intelisano
For experimenting in an original way with the use of different methodologies and tools for the realization of a parametric City Information Model (CIM). The thesis proposes an innovative format, called CityGH, for the semantic structuring of city models in the parametric environment, filling the gap found in the literature in relation to guidelines for the semantic structuring of city models in the parametric environment.