

UID Award 2020

Golden award to Eduardo Carazo Lefort

The UID Golden Award 2020 is intended to honor a professor of Architectural Graphic Expression who, over the last thirty-five years, has been capable of combining a demanding professional practice, an intense dedication to teaching and extensive research on graphic, architectural and urban heritage.

Eduardo Carazo Lefort, currently director of the Department of Urban Planning and Representation at the University of Valladolid, has a professional practice that has earned him wide recognition in the region of Castilla y León, with numerous awards won in competitions and the publication of his built work in monographs and architectural journals.

But above all, Eduardo Carazo is a true university professor, committed to teaching Architectural Graphic Analysis and Degree Projects and to performing managerial roles for the Rectorate of the University of Valladolid. He has recently been appointed by the Ministry of Universities as a member of the National Evaluation Agency to assess the scientific achievements of professors in the disciplinary sector of architecture and civil engineering.

As a researcher, he has devoted himself in particular to the study of the urban form of the cities of Castilla y León, publishing the book *Valladolid: Forma Urbis*, and directing several doctoral theses on the cities of Zamora, Burgos, Oviedo and Porto. There is one last aspect we would like to highlight: his cordiality, his positive attitude and his human qualities. As an example, among all the tasks he carries out, his main priority has always been the training of young teachers and their academic promotion at the University of Valladolid.

Golden award to Secondino Coppo

The UID Golden Award 2020 to Secondino COPPO is intended to reward his long career as a professor, researcher and acknowledged head of a School of international importance in the field of urban survey and representation of the city. His work has demonstrated not only the high profile and originality of his research, but also the importance of teamwork, bringing together scholars and researchers from many generations who are now, in turn, esteemed professors. His studies, laden with theory and applied research, are still today a point of reference in the field of urban surveying, projecting the discipline of surveying to the decision-making stages in the process of designing complex systems, areas in which he has published numerous monographs and essays. Scientific coordinator of numerous research projects, including those related to *Il Disegno dei Portici a Torino* and *Il Disegno di Luoghi e Mercati*, again referred to the Piedmontese capital. Secondino Coppo has held important academic roles: president of the area of training in Civil Engineering, director of the Department of Construction and Territorial Systems Engineering, coordinator of the Doctorate in Surveying and Representation, Conservation and Restoration; as well as in our association, where he currently holds the role of Arbitrator.

His refinement, correctness and ability to relate to all of us continue to make Dino Coppo a figure of scientific and emotional reference of great importance.

Silver award “Gaspare de Fiore”

Matteo Bigongiari, L'architettura fortificata di Leonardo da Vinci in Toscana. Rilievi digitali delle fortificazioni di Piombino per la interpretazione critica dei progetti leonardiani; tutor prof. Stefano Bertocci, co-tutor prof.ssa Pilar Chías Navarro.

A thesis in which the fortifications of Piombino are studied in relation to Leonardo da Vinci's project drawings. The work starts from the use of digital technologies for the study of ancient drawings and develops appropriately and convincingly along the lines of an in-depth graphic analysis integrated with the previous historical-documentary and historical-artistic studies. After having contextualized Leonardo's drawings in the light of the history of the fortifications, it proposes a precise survey of the current state of the fortifications of the city of Piombino and searches for precise correspondences between Leonardo's designs and the built elements, presenting the precious final reflections in graphics of excellent expressive quality. The work is conducted with methodological clarity and with full awareness of the instruments used and shows, in a clear overview, the vast possibilities of investigation provided by the tools of representation.

Veronica Riavis, Rappresentazioni tattili di architettura e pittura: ricostruzione geometrica della chiesa di Sant'Iganzio a Gorzia e restituzione prospettica dell'affresco parietale; tutor prof. Alberto Sdegno, co-tutor prof. Fabio Crosilla.

A thesis concerning the historical/critical study of the large quadratura perspective fresco conserved in a church of the Isonzo area, and its translation into forms that can be perceived haptically by the visually-impaired. The thesis, as well as for the completeness of the description of the processes of survey, restitution and 3D printing in rapid prototyping, stands out especially for the actual experimental success of the prototype realized and tested for its ability to translate visual perspective spatiality into equivalents accessible through haptics.

Simona Scandurra, Processi di traduzione dei dati di rilievo strumentale per la realizzazione di modelli informativi del patrimonio architettonico esistente; tutor prof.ssa Antonella di Luggo.

A thesis which, within a rigorous and appropriate theoretical-methodological framework, addresses the study of the potentialities and criticalities inherent in the processes of transposition of data acquired with 3D no-contact technologies in information models proper to HBIM systems applied to historic built heritage. A case study of the great complex of the State Archives of Naples (strongly stratified, 9th-20th century, housed in the ancient Benedictine monastery dedicated to Saints Severino and Sossio), with the survey of the marble Atrium and of the important adjacent architectural spaces. Of particular interest, for the critical/assessment implications that arise, the experiments on the construction, directly on the 3D model, of historical-synchronic and diachronic sections, aimed at documenting and visualizing the transformations of the architectural organism over time, and on the modeling of complex elements such as vaults, conducted according to an interesting and timely process of parametric elaboration critically evaluated in the relationship between the model and the actual reality of the architectural elements.

The Jury also unanimously proposes to the President to confer 4 honorable mentions UID 2020 to the following PhD Theses:

Raffaella De Marco, Il rilievo digitale per l'analisi dei sistemi strutturali nell'edilizia storica; tutor prof. Sandro Parrinello.

A thesis that proposes an interesting interdisciplinary approach aimed at investigating the possible contribution of survey and modeling in the communication of the structural database, in relation to the relationship between structure and form, between form and model, between model and structure. In particular, the different contexts of investigation and experimentation presented allow the analysis of the structural system in historical architecture with the aim of verifying codes and graphical languages useful for solving the problem of documenting-evaluating-computing mechanical behavioral models. Highly significant is the application to the case study of the urban aggregate of the dense urban fabric of Bethlehem, where the level of complexity grows in relation to the articulated historical, morpho-typological and figurative structuring, on the border between architectural and urban scale.

Marika Griffò, Dal dato all'informazione. Integrazioni ed evoluzioni del modello digitale; tutor prof. Carlo Bianchini, prof. Graziano Mario Valenti.

A thesis that represents, with a wide range of case studies – the Basilica Julia, the Baths of Diocletian and the Nymphaeum of Egeria – the state of the art of the techniques of survey and documentation that aim to produce a model as a “digital clone” of the “asset” for its future intelligibility, including the use of tools such as H-BIM, GIS and Web GIS, of collaborative platforms (the Virtual Research Environments: Europeana, Visual Media Service...), analyzing Ontologies Linked Open Data techniques, and various data input techniques according to different data collection and documentation technologies.

Martino Pavignano, Rappresentare l'architettura. Il viaggio ideale di Giovanni Battista Cipriani tra disegni, libri e stampe; tutor prof.ssa Anna Marotta, prof. Sergio Pace.

A thesis of exemplary completeness dedicated to the reconstruction and study of the corpus of Giovanni Battista Cipriani's graphic work against the background of the visual and architectural culture between the last quarter of the 18th century and the first half of the 19th century. This work sheds new light on that part of the history of chalcographic drawing of architecture set between the two clamorous cases of the prints of “Le antichità romane...” by Giovanbattista Piranesi and those of the “Édifices de Rome moderne...” by Paul-Marie Letarouilly.

Chiara Pietropaolo, Turris babel. È-temen-an-ki. La “casa delle fondamenta del cielo e della terra”. Teoria e rappresentazione tra mito e realtà; tutor prof. Gaetano Ginex, co-tutor prof. Gianfranco Neri.

A thesis that investigates the complex theme of the Tower of Babel. After a chronological examination of its principal representations, the work proposes the analysis – carried out with the tools of representation – of two famous paintings of 16th century Flemish art, that of Pieter Breugel the Elder and that of Lucas van Valchenborch. The study of the two images makes it possible to examine the three-dimensional form of the constructions represented, providing fascinating hypotheses on their conformation and tectonics, realizing analytical graphics as well as virtual and physical models. The work also takes into consideration recent acquisitions on the same theme, primarily the work of Massimo Scolari and that of Katsuhiko Otomo, and explores the plastic potential of the elements studied.