

Contents

Knowledge

A War Drawing for Visualizing Madrid's Counter-Façade	3
Luis de Sobrón and Enrique Bordes	

Convey a Graphical Message. The Political Vision of Architectural Drawing	13
María Asunción Salgado de la Rosa, Javier Fco. Raposo Grau, and Belén Butragueño Diaz-Guerra	

Digital Models for Historical Architecture. Cestus Bridge and Fabrician Bridge at Tiber's Island	23
Carlo Inglese and Marika Griffo	

Digital Tools as a Means of Architectural Dissemination. Reconstructing the Architectural History of Colegio San José of Valencia	33
Borja Herrero Pérez, Eduard Baviera Llopez, and Jorge Llopis Verdú	

Dreams of Ruins: Drawing as a Speculative Resource During the Renaissance for Understanding the Architectural Remains of Antiquity	43
Fernando Linares García and Isaac Mendoza Rodríguez	

Expression, Exploration, and Intuition in Nadir Afonso's Cities	54
Aitor Goitia Cruz	

Framing, Filling, Linking. The Drawing of Elements for City Description	63
Anna Christiana Maiorano and Valentina Castagnolo	

From Historical and Theoretical Analysis of Representation and Geometry to Topology for Structural Optimization	73
Andrea Giordano, Federico Panarotto, Rachele A. Bernardello, and Paolo Borin	

From Image to Investigation 3D Reconstruction with Perspective Restitution	83
Fabrizio Agnello, Manuela Milone, and Laura Barrale	
From the “Sacred Theatres” of Andrea Pozzo to the International Truncated Calotte: History and Representation of the Immacolatella Church’s Tribune in Trapani (1732)	93
Mirco Cannella and Domenica Sutera	
Geometric and Formal Characterization of the Church of Santa María de Tobed	103
Miguel Sancho Mir and Beatriz Martín Domínguez	
Geometry and Rectangular Ratios: Serlio’s Villas in the Vienna Manuscript and Book VII	111
Roberta Spallone	
Girard Desargues and Geometry Applied to the Arts	121
Marta Salvatore	
Gregorian Echoes: Neumatic Notation as a Possible Graphic Inspiration for the Architecture of Xenakis	131
Pedro García Martínez, Pablo Roca Montoya, and Laura Fernández Muñoz	
History, Iconography and Digital Drawing for Architectural Heritage: The Case Study of the Church of S. Nicolò Alla Kalsa in Palermo (Sicily)	145
Emanuela Garofalo, Vincenza Garofalo, and Laura Barrale	
Immersion in Virtual Reality for Studying Architectural Perspectives	155
Marco Fasolo, Leonardo Baglioni, and Flavia Camagni	
“Veue de la ville de Boze”. A Seventeenth-Century View to Analyse the Transformations of the Landscape of the City of Bosa (Sardinia, Italy)	165
Andrea Pirinu	
Light and Architecture: Mannerist Devices in the Monastery of San Lorenzo de El Escorial	175
Pilar Chias, Tomas Abad, and Lucas Fernández-Trapa	
Line Atop Line. Images of Architecture in Illustrated Periodicals from the Early 1800s in Italy	186
Pasquale Tunzi	
Madrid and the Board of Houses of the Navy. Four Projects for Spain in the 1940s	196
María Teresa Raventós-Viñas and Gonzalo Sotelo-Calvillo	

Military Engineers and the Use of Cartography in the Urban Representation of the Spanish Florida. The City of Saint Augustine (1565–1788)	206
Jorge Llopis Verdú, Ana Torres Barchino, and Juan Serra Lluch	
Musing on the Restoration of the Arch of Titus, Given Its 200th Anniversary: Comments on Some Outstanding Drawings	216
Javier García-Gutiérrez Mosteiro	
On the Drawings and Travel Notebooks of Guillermo Vázquez Consuegra	226
Antonio Estepa Rubio and Jesús Estepa Rubio	
Recovery of Modern Colombian Architecture by Means of Architectural Archive Discovery: The Case of Architect Miguel Farah Zakzuk	236
Alma Benitez, Gabriele Rossi, Massimo Leserri, and Merwan Chaverra	
Recycling Models and Drawings: Two Projects by Frank Lloyd Wright, 1944	246
Carlos Montes Serrano and Carmen Gimeno Sanz	
Speer: Drawing the Future of the Past	255
Antonio Amado, Federico Arévalo, Carmen Escoda, and Genco Berkin	
The Analysis of Architectural Heritage Through Graphic Documents: The Archaeological Site of Italica (Seville, Spain) - From the 16th to the 21st Century	265
Elena González-Gracia, Patricia W. Ferreira-Lopes, and Francisco Pinto-Puerto	
The Design of the Renaissance Cloister of the Cathedral of Zamora . . .	274
Juan Manuel Báez Mezquita	
The Evolution of the Castle of Peracense. An Example of Sequential Development of Southern Europe Strongholds	284
Ignacio Cabodevilla-Artieda	
The Fragmentation of Perspective in the Evolution from Architectural to Landscape Garden	294
Domenico Crispino	
The Graphic Analysis of the Primitive Convent of the Commendatory Mothers of St. John in Zamora	304
Daniel López Bragado, Víctor-Antonio Lafuente Sánchez, and Alejandra Duarte Montes	
The Plan Traces of Some Valencian Starred Cross Vaults	314
Esther Capilla Tamborero	

The Slab of Perugia: Graphic Virtualization for the Enhancement of Cultural Heritage	325
Adriana Rossi, Santiago Lillo Giner, and Sara Gonizzi Barsanti	
Production	
Anni Albers: Graphic Processes and Creative Thinking	337
Alice Palmieri	
Architectural Graphic Cognition Processes in Sheltered Housing Spaces for People with Intellectual Disabilities	347
Angel B. Comeras Serrano	
Digital Adaptation of the »Hypercubic Glass«: Translation of the Design Principles by Student Seminars	358
Katja Wirfler, Sebastián Andrés López, Martino Peña Fernández-Serrano, Henrik Reißaus, and Thorsten Weimar	
From Geospatial Data to HBIM of Romanic Churches in Sardinia: Modelling, Check and Validation	368
Carlo Biagini, Andrea Bongini, and Giorgio Verdiani	
Graphic Innovation in Jesuit Heritage of Córdoba de la Nueva Andalucía. From Tradition to CAD, HBIM & AR	379
Gustavo-Adolfo Saborido-Forster, Eduardo Mosquera-Adell, and Mercedes Ponce-Ortiz	
How the Approach of Digital Tools in Architecture Has Developed: The Case of Creative Programming	390
Patricia Domínguez, Flavio Celis, and Ernesto Echeverría	
Management and Dissemination for Dismissed Religious Architecture. An Approach Fusing HBIM and Gamification	399
Pierpaolo D'Agostino, Giuseppe Antuono, and Erika Elefante	
Spatial Perception Assessment in Immersive Virtual Environments. A Methodological Approach	408
Albert Sanchez Riera, Isidro Navarro, and Ernest Redondo	
Vegetation Information Modeling (VIM). The Tree as the Main Element in the Construction Process of Landscape Architecture	416
David M. Torrejón García	
Author Index	427