

Contents

Graphics for Analysis

Symmetria, Mensuris and Domed Architectures in Hadrian's Time	3
<i>Francisco Juan-Vidal, Alicia Roca Martínez, Filippo Fantini, and Luca Cipriani</i>	
Cartography in the Delimitation of Historic Centres: From Drawing to Reality	11
<i>Eduardo Carazo, Álvaro Moral, and Alejandra Delgado Martín</i>	
Graphic Resources in the Manuscript of Fray Francisco de Santa Bárbara	18
<i>Juan Rojo Ferrer and Pablo Navarro Camallonga</i>	
The Modern Garden at the Deutsche Schule Valencia. Analysis for a Graphical Project Hypothesis	26
<i>Irene Benet Morera and Marina Sender Contell</i>	
Representing the Landscape	34
<i>Fabio Bianconi, Marco Filippucci, and Simona Ceccaroni</i>	
3D Printing, Architectural Heritage and Social Inclusion	41
<i>Manuel de-Miguel-Sánchez, Nicolás Gutiérrez-Pérez, Patricia Domínguez-Gómez, Ernesto Echeverría-Valiente, Flavio Celis-D'amico, Francisco Martín-San-Cristóbal, and Felipe Asenjo-Álvarez</i>	
The Use of Architectural Drawing Systems for Portuguese Buildings in Brazil Between the 17th and 19th Centuries	49
<i>Petterson M. Dantas and Rubenilson B. Teixeira</i>	
3D Acquisition and HBIM Modeling of Medieval Architectures in Rome: The Albergo of the Catena	57
<i>Francesco Cappuccino, Giulia Flenghi, and Michele Russo</i>	
Digital Mapping and Demographic Challenge: A Case Study of Application in an Andalusian Municipality	65
<i>Marta Donadei, Juan Francisco Fernández Rodríguez, and Esteban de Manuel Jerez</i>	

Interaction of Graphic Variables in Cognitive Accessibility of Interior Designs	74
<i>Sonia Izquierdo Esteban</i>	
Prototypes for a More Sustainable Architecture in Central European Offices ...	84
<i>Marta Úbeda Blanco, Daniel Villalobos Alonso, and Sara Pérez Barreiro</i>	
Graphic Analysis to Renaturalize the University Campus	92
<i>Amparo Bernal López-Sanvicente</i>	
The Anticyclone in a Dog's Belly	101
<i>Ivo Poças Martins</i>	
Representing Stairs in a Floor Plan: History, Standards and Conventions	109
<i>María Senderos-Laka, Iñigo Leon-Cascante, and José Javier Pérez-Martínez</i>	
Surveying as a Sustainable Critical Tool for Cultural Heritage	118
<i>Giulia Pellegrini and Martina Castaldi</i>	
Affective Urban Landscapes and the Challenge of Their Cartographic Representation	124
<i>M. Teresa Casbas González and Eva J. Rodríguez Romero</i>	
Immersive Data Exploration: The Role of Graphic Timing in Virtual World Visualization	132
<i>Juana María García Ladrón de Guevara, Eduardo Roig Segovia, and Federico Luis del Blanco García</i>	
Geometric Description of the Vaulted Ceilings of the Renaissance Intervention in the Church of Nuestra Señora de Consolación in Cazalla de la Sierra (Seville)	141
<i>Federico Arévalo-Alonso and Federico Arévalo-Rodríguez</i>	
Inhabited Boundaries: Objects and Landscapes	149
<i>Fermina Garrido and Mara Sánchez-Llorens</i>	
ICTs for Narrating Architecture Archives: The Theses of Gaetano Cima's Students	157
<i>Raffaele Argiolas, Vincenzo Bagnolo, Simone Cera, Andrea Pirinu, and Eleonora Todde</i>	
Gothic-Mudejar Doorways in Seville. Observation Through Drawing	165
<i>Juan Francisco Molina Rozalem</i>	

The First Jujol's Sketch of the Sansalvador Villa	173
<i>Jordi de Gispert Hernández, Sandra Moliner Nuño, and Isabel Crespo Cabillo</i>	
Detailed Knowledge of Territory: Construction and Army	181
<i>Francisco Javier Fraga López</i>	
Graphic Methodology for Analysing Heritage Relationships	190
<i>Cristina Vicente-Gilabert and Marina López-Sánchez</i>	
The Integration of People with Disabilities into Hospital Surroundings: A Drawing Based Approach	199
<i>Nicolás Gutiérrez Pérez, Patricia Domínguez Gómez, Teresa Sánchez-Jáuregui Descalzo, and Pilar Chías Navarro</i>	
Watchtowers on the Atlantic Coast of Andalusia (16th-17th Centuries) Towers Del Catalán, Umbría Y De La Arenilla	207
<i>José Ramón Delgado Romero</i>	
Towards the Historical-Architectural knowledge of the Torre de la Fuente del Salz of Castellote through Graphic Analysis	216
<i>Beatriz Martín-Domínguez, Miguel Sancho-Mir, and Luis Agustín-Hernández</i>	
The Historicist and Typological Eclecticism of the Church of Santa María Micaela by Ricardo Velázquez Bosco	225
<i>Antonio Miguel Trallero Sanz and Antonio Miguel Trallero Arroyo</i>	
HBIM Gaming Models for Multiscalar Knowledge: The Ferrara Cistercian Abbey	237
<i>Giuseppe Antuono, Erika Elefante, and Pierpaolo D'Agostino</i>	
Drawing the Cultural Landscape to See the Project. Three-Ways of Looking: Student, Geographer and Architect	245
<i>Francisco J. del Corral del Campo and Carmen Barrós Velázquez</i>	
In-between Spaces in Collective Housing: The Role of Drawing in Their Representation and Communication	255
<i>Gracia Cabezas-García and Francisco Pinto Puerto</i>	
Drawing to Planning the War	263
<i>Santiago Elía-García, Ana Ruiz-Varona, and Rafael Temes-Cordovez</i>	

New Documentation Systems for the Study of Structural Pathologies in Heritage. The Wall of the Carcabuey Castle (Córdoba)	276
<i>Pablo Manuel Millán-Millán</i>	
<i>Fiumara d'arte: Between Pure Geometry and Architectural Symbolism</i>	284
<i>Sonia Mollica</i>	
Planimetric and Metrological Review of the Romanesque Cathedral of Jaca	292
<i>Marta Quintilla-Castán and Luis Agustín-Hernández</i>	
Baptismal Chapel of the Church of San Nicolás De Bari	301
<i>Antonio Estepa Rubio</i>	
Graphics for Thinking	
Thoughts on the Accidental: Francesco Borromini's Sketch Plan for the Roman Oratory	313
<i>Raúl Castellanos-Gómez</i>	
The Implementation of Cartographies of Imagined Landscapes in the Architectural Project	322
<i>Luis Miguel Cortés Sánchez</i>	
Drawing the Villa in Two Periods	331
<i>Lucía Balboa Domínguez, Alberto Grijalba Bengoetxea, and Noelia Galván Desvaux</i>	
Graphic Representation Strategies for Underground Spaces Based on Sectional Drawings	339
<i>Andrés Galera-Rodríguez, Francisco Pinto-Puerto, and Mario Algarín-Comino</i>	
The Model and Its Almost Exclusive Use in the Creative Design Process	347
<i>Isaac Mendoza Rodríguez and Mónica del Río Muñoz</i>	
On the Boundaries of Discipline: The Role of Gaming Systems in Contemporary Architecture Project	355
<i>Alejandro Jesús González Cruz and Federico Luis del Blanco García</i>	
MICROGRAPHS OF INTANGIBLE SPACE. Triptychs, Panels, Paintings and Glass-Graphs of Architectures	363
<i>María Isabel Fernández Naranjo and Tomás García García</i>	
Gio Ponti's Plan Drawing. Orientation Lines of the Housing Space	376
<i>Noelia Cervero Sánchez</i>	

Windows into the Soul of Clorindo Testa's Architecture: Inside, Outside	384
<i>Mara Sánchez-Llorens and Fermina Garrido</i>	
Travel Sketches of the Saint James Way by Two Artists	392
<i>Antonio Amado Lorenzo, Santiago Tarrío Carrodegua, and Léia Miotto Bruscato</i>	
Building Communities. Vandkunsten's Lines of Thought	402
<i>Jaime J. Ferrer Forés</i>	
Author Index	411