

Contents

Part I Setting the Matter

Working with the Image: Description Processing Prediction	3
Luigi Cocchiarella	
Colloquium with the Editorial Staff of the Science Magazine FOCUS	5
Luigi Cocchiarella	
Cognitive Power of Visual Images	13
Giuseppe Caglioti	

Part II Visual Language in Research: Between Theory and Applications

Interactive Sketch Interpreter for Geometric Modeling	29
Kunio Kondo and Taichi Watanabe	
New Visualization Techniques in AEC-BIM More than Modeling	49
Clark A. Cory	
Image Synthesis in Consideration of a Human Visual System	65
Yasushi Yamaguchi	
Walking in Virtual Reality: Flexible Spaces and Other Techniques . . .	81
Khrystyna Vasylevska, Iana Podkosova and Hannes Kaufmann	

Archaeoastronomy in Action: The Role of Images in Understanding and Promoting Astronomical Heritage	99
Giulio Magli	
 Part III Images in Research: Iconographies and Experiences from the PHD School of the Politecnico di Milano	
Reading Results from Computer Simulations	109
Tommaso Solcia	
Thoughts in Strokes: Archive Drawings and Analytical Sketches	113
Iva Stoyanova	
The Knowledge of Images and the Historical Research on Existing Buildings	119
Giorgia Ottaviani and Lucia Pierro	
Image as a Document and Vehicle of Knowledge	125
Anna Antonini, Kermican Apak, Giulia Brun, Giorgio Calegari, Silvia Colombo, Patrizia Della Vedova, Valentina Sumini, Sandra Tonna, Francesco Toso, Paola Travaglio and Elisa Valli	
Images as Moment of Knowledge	131
Giulia Campanini and Elisa Fain	
The Skyscraper of Piazza Repubblica in Milan	137
Giorgio Calegari and Valentina Sumini	
Land Survey Through Description and Beyond Description.	143
Matteo Giuseppe Romanato	
The Visual Language Technique in Urban Studies Research: Investigation, Interpretation and Communication of City Complexity	149
Aldo Treville, Raffaella Cegna and Luca Vandini	
Rethinking the Power of Maps	153
Stefano Bovio and Alessandro Musetta	
Audio-Maps to Manage Moving Territories. Embedding Strategies of Musical Synchronization to Qualify Sensitive Areas of Urban Informality	159
Raffaele Pè	

Context Versus Context-Less and the Mechanism of Relations. Experimental Research in Progress.	167
Raana Saffari Siahkali	
Conclusion	173

The Visual Language of Technique

Volume 2 - Heritage and Expectations in Research

Cocchiarella, L. (Ed.)

2015, XIII, 179 p. 90 illus., 72 illus. in color., Hardcover

ISBN: 978-3-319-05340-0