

Contents

Introduction	1
Antonella Contin, Paolo Paolini and Rossella Salerno	

Part I: The Academic Question of Research

The Project of a New Cartography: Patterns of Use, Spatial Experiences and Perceptions of the Urban Environment	7
Antonella Contin	

Rethinking Kevin Lynch's Lesson in Mapping Today's City	25
Rossella Salerno	

Storytelling for Cultural Heritage	33
Paolo Paolini and Nicoletta Di Blas	

Part II: The Institution's Claim

New Technologies and Technological Innovation for the City: Chance EXPO 2015	49
Guido Arnone	

Part III: Technologies for Communicating Architecture and Urban Spaces

Meta City: Origins and Implications	59
David Grahame Shane	

Experiential Data for Urban Planning	73
Federico Casalegno, Amar Boghani and Catherine Winfield	

Part IV: Modelling Tool Software, Processing Language and Environment Methodology, Urban Simulation and Projects Evaluation

A New Map of the Milan Urban Region Through Mobile Phone Data 83
Paola Pucci, Fabio Manfredini and Paolo Tagliolato

Sensory Aspects of Simulation and Representation in Landscape and Environmental Planning: A Soundscape Perspective 93
Mark Lindquist and Eckart Lange

Part V: Advanced Digital Design and Manufacturing Technologies and Architectonic and Urban Design Project

iPlanning: Urban Maps and Curatorship in the Age of Data Deluge 109
Roberto Bottazzi and Raffaele Pè

Part VI: Critical Reactions: A Bridge Between Academic Core Concepts and New PhD Researches

From Power to Empowerment? The Social Role of Cartographic Knowledge 123
Alice Buoli

E-Planning: The Digital Toolbox in Participatory Urban Planning 135
Annalisa Lodigiani

Crowd Sourced Maps: Cognitive Instruments for Urban Planning and Tools to Enhance Citizens' Participation 145
Cristiana Mattioli

Post-Optimal Cities or: How Architects Learned to Stop Worrying and Love the Network and Vice Versa 157
Paolo Patelli

The Innovation of Technologic Tools in Images Production: An Answer to a New Sensibility Towards Complex Visualizations 167
Matteo Giuseppe Romanato

Non-Contextualized Ambits of Contemporary Urban Dynamics: Maps and Relational Dimensions 177
Raana Saffari Siahkali

From Digital to Physical Spaces and Comeback: Some Feedback on City Transformations 187
Bruna Vendemmia

Innovative Technologies in Urban Mapping

Built Space and Mental Space

Contin, A.; Paolini, P.; Salerno, R. (Eds.)

2014, VI, 198 p., Softcover

ISBN: 978-3-319-03797-4