

Contents

Putting Tradition into Practice

Enhancing Not-Outstanding Cultural Landscapes in a European Perspective: A Challenge for Digitization	3
Rossella Salerno	
New Science, New Architecture... New Urban Agenda?	9
Michael W. Mehaffy	
How to Imbue Practice with Tradition	22
Alireza Sagharchi	
The Organic Reconstruction of the City 2.0 Keep It Simple	31
Gabriele Tagliaventi	

Building for the Future, Following a Disaster

True, False or Ordered? Some Architectures to Think About Reconstruction	45
Luca Guardigli and Andrea Guidotti	
The Environmental, Social and Economic Impacts of the Reconstruction Plan in Onna	55
Wittfrida Mitterer	
Developing Tradition: A Case of Heritage Foundation of Pakistan	61
Manalee Nanavati	
Survey and Earthquake: The Case of Visso	70
Enrica Pieragostini and Salvatore Santuccio	
Methodology of Analysis and Virtual Recomposition: The Case of Retrosi, Amatrice	75
Marco Canciani, Giovanna Spadafora, Laura Farroni, Matteo Flavio Mancini, Silvia Rinalduzzi, and Mauro Saccone	

The Architectural Heritage in Seismic Area: Geometrical Survey for Damage Analysis and Strengthening Design	84
Giuliana Cardani and Paola Belluco	
Project Design “Within” Survey. A Model of Action for Smaller Historic Centres Struck by Earthquakes	94
Alessandro Luigini	
The Reconstruction of L’Aquila: A New Role of Ancient Walls	105
Donato Di Ludovico, Quirino Crosta, and Pierluigi Properzi	
Design as a Tool for Bringing New Life to the Historic Centre of L’Aquila	115
Luca Guerrini	
Hydrogeological and Seismic Risk Mitigation Interventions. Interplay with the Existing Buildings and the Territory	125
Gianluca Paggi and Davide Sormani	
Learning Through Drawing	
Architectural Representation in the Spanish Renaissance: Some Examples from the City of Lugo	137
Josè Antonio Franco Taboada and Ana E. Goy Diz	
From the Ruin to the Temple, Passing by the Butchers. A Reconstitution of the Temple of Diana in Evora, Based on Literary and Iconographic Sources	147
Mariana Martins De Carvalho	
Use of Digital Collections as a Source of Architectural Treatises: Old Sources for the New Classical Architect	160
Pablo Alvarez Funes	
Represent and Enhance the Historical and Architectural Heritage: The Trident of Rome Between Tradition and Innovation	172
Daniele Calisi and Maria Grazia Cianci	
Francesco Valenti’s Restoration Design of Santissima Annunziata of Catalans Church in Messina. A Walkthrough Among Survey and Graphic Representation	181
Adriana Arena	
Notes on Historical Maps of Abruzzo: From <i>Itineraria Picta</i> to Maps	191
Alessia Maiolatesi	
A Critical Redrawing of the Tables Signed by Carlo Vanvitelli for the Construction of Villa Comunale in Naples	201
Carla Mottola	

The Camillo Boito Historical Heritage Photo Collection as an Iconographical Fund for the “National Stile” 211
 Federico Alberto Brunetti

Researches on Architectural Heritage Drawing Between Italy and Slovenia: The Antonio Lasciac’s Villa 217
 Paola Cochelli, Alberto Sdegno, and Diego Kuzmin

Rethinking Salerno After the 1954 Flood: The Arrival of Plinio Marconi in the City 227
 Simona Talenti

Gustavo Giovannoni: The Complete Architect 234
 Steven W. Semes

Between Tradition and Experimentation. The Balilla House in Teramo by Enrico Del Debbio. 246
 Stefano Brusaporci and Serena Troiano

Learning Through Discovery: Different Techniques to Represent the Forgotten Cultural Heritage. Knowing Cervia’s Colonia Varese Across Historical Analysis and Contemporary Design 256
 Fiamma Colette Invernizzi

The Renewal of the City of L’Aquila: The INA Palace by Vittorio Morpurgo. 266
 Pamela Maiezza

Designs by Louis de Soissons for the Commonwealth War Cemetery in Cassino 275
 Arturo Gallozzi and Marcello Zordan

Valorisation Experience Process for Raising Awareness of the Eastern Modernist Architecture Towards Layperson Audience 285
 Bogdan Stojanovic, Davide Spallazzo, and Raffaella Trocchianesi

Past Visions, Future Memories: The Drawings of William Hardy Wilson 292
 Yvette Putra

Sala Della Vigna at Belriguardo. A Polyphony of Proportions That the Renaissance Mind Comprehended and the Renaissance Eye was Able to See. 303
 Sergio Cariani

The Crociera Room of Villa Barbaro in Maser. Perspective Restitution of Architectural Frescoes 312
 Alberto Sdegno, Silvia Masserano, and Veronica Riavis

The Relationship Between Real and Illusory Architecture: Survey and Analysis of the Ex-refectory of Orsoline’s Convent in Rome	322
Francesca Porfiri and Gaia Lisa Tacchi	
Architectural Perspective in Two Seventeenth-Century Galleries in Genoa.	331
Cristina C�ndito	
Drawing as a Guide. Observing the Roman Seashore	342
Emanuela Chiavoni	
Developing Knowledge of Heritage	
3D Surveys and Virtual Explorations in the Places of Remembrance: The Chapel of Monte dei Poveri in Naples	353
Antonella Di Luggo	
Some Reflections on the Non-constructible Polygon in Santa Maria Novella, Florence.	362
Albert Samper, Pau Carazo, and Blas Herrera	
Formal Innovations in Two Sixteenth-Century Helicoidal Staircases of Vignola and Mascarino	371
Leonardo Paris	
Baroque Topologies: Novel Approaches to Analysis and Representation of the Baroque Interior in the Era of Big Data	381
Andrew Saunders	
Heritage and Places: Rediscovering and Enhancing Cultural Identities Lost Under 1669 Mount Etna Lava Flow	392
Cettina Santagati	
Survey for Knowledge and Communication of the Architectural Heritage: Case Study Rocca di Codiponte	402
Chiara Vernizzi	
The Survey Drawing as a Tool of Knowledge: The Case of Casamari Abbey in Veroli.	412
Marco Canciani, Manuela Michelin, and Alice Scortecci	
The Piazza Duomo of Acireale: Significance and Representation	421
Giuseppe Di Gregorio and Francesca Condorelli	
The Theme of the Kasbah in Islamic – Mediterranean Architecture. Settlements Along Dra� Valley, Morocco	431
Chiara Pietropaolo	

The Survey of Vernacular Architecture: Casa Grandeth 441
 Massimo Leserri, Juan Pablo Olmos Lorduy, Horacio Elias Castillo Ayazo,
 and Maria Alejandra Castillo Sarmiento

**Photo-Modeling for the Documentation of the Restoration Site.
 The Church of the Complex of the Ospedale dello Spirito Santo
 in Lecce** 449
 Giovanna Cacudi and Gabriele Rossi

**The Hermitage of Sant’Alberto in Butrio: Methodologies of Integrated
 Survey Between Tradition and Digital Innovation** 458
 Pietro Becherini and Raffaella De Marco

***Pinnettas*: Traditional Shepherds’ Huts of Sardinia. Geometry,
 Shape and Materials** 467
 Andrea Pirinu

**The Technologies of Architectural Survey: A New Comparison
 Based on the Tower of Sotillo de la Ribera, Burgos** 475
 Sara Morena, Salvatore Barba, Elena Gómez Merino,
 and José Ignacio Sánchez Rivera

**The Territories of Samarcanda Manuscript.
 A Draft of the Crusaders Krak Knights Representation in Syria.
 A “Model” for Future Memory** 485
 Gaetano Ginex

**The Scuola Officina Meccanica in Villaggio Monte Degli Ulivi in Riesi.
 Reading and Analysis Through Surveying** 496
 Francesco Di Paola and Cinzia De Luca

**The Digital Documentation of the Florentine Complex of Santa
 Maria Maddalena De’ Pazzi** 508
 Matteo Bigongiari

**Religious Festivals Machines as Transition from Popular Culture
 Towards Industrial Design: Construction and Interpretation
 of the *Giglio* of Barra and Nola in Southern Italy** 516
 Alfonso Morone

**An Integrated Programme for the Conservation and Valorisation
 of the Tower of Frederick in Enna** 526
 Alessio Cardaci and Antonella Versaci

**Survey of Comfort and Cityscape: Methodological Considerations
 for the Definition of a Graphic Code and Related
 Experimental Applications** 537
 Giorgio Garzino, Maurizio Marco Boconcinco, and Vincenzo Donato

A Development Project for the United Nations. The Digital Survey for the Planning of East Jerusalem 551
 Sandro Parrinello

Urban Regeneration of the Old Town Centre of Bari: A Holistic Approach 560
 Michele Ragone and Cecilia Surace

Communicating Through Digital Tools

A Virtual Museum for Appreciating Pescara’s Cultural Heritage. 571
 Pasquale Tunzi

Exploring the City. Valorisation of Culture Through Situated and Informal Learning 579
 Mauro Ceconello and Davide Spallazzo

Visual Devices for Representing, Communicating and Promoting the City 587
 Elena Ippoliti

Design Strategies for Cultural Heritage: Innovating Tradition Within Museums 595
 Eleonora Lupo and Giovanna Vitale

Digital Interactive Mollino. A Collection of 3D Models from Carlo Mollino’s Design Drawings 607
 Roberta Spallone and Francesco Carota

Enacting the *Genius Loci* of the Place Through a Digital Storyteller. Reflections from an Interactive Exhibit 618
 Davide Spallazzo and Mauro Ceconello

Communicating Heritage Through Intertwining Theory and Studio Based Course in Architectural Education 626
 Renata Jadresin Milic and Ana Nikezic

3D Printing in Presentation Architecture Projects 636
 Mercedes Valiente López, M. Carmen Sanz Contreras, and J. Ramon Osanz Díaz

Designing the Ideal City of Aristotle’s Thought 645
 Carlo Berizzi and Cesare Zizza

Hypothesis of Reconstruction of Ancient Cities Through 3D Printing: The Case-Study of Thurii 654
 Serena Andrea Brioschi and Salvatore Dario Marino

Physical Scale Models as Diffusion Tools of Disappeared Heritage. 662
 Joaquín A. Martínez-Moya, Jaime Gual-Ortí, and M. Jesús Máñez-Pitarch

The Classical Theatre and the Material Culture.	
The Example of Lipari's Masks	671
Francesca Fatta and Andrea Marraffa	
From Tradition to Practice: Bringing Up-to-Date the Holistic Approach of the Masters of the Past Through Digital Tools	682
Massimiliano Lo Turco	
ICT to Communicate, Represent and Enhance an Archaeological Area	692
Tommaso Empler	
The Last Supper Interactive Project. The Illusion of Reality: Perspective and Perception	703
Franz Fischnaller	
Saturnia Museum: The Architectural Survey for the Urban Museum and Enhancement of the Historic Centre	715
Paola Puma	
Photography and Video for a Representation of the Intangible Cultural Heritage of Abruzzo	727
Antonella Salucci and Giuseppe Marino	
Intangible Perspectives on Tangible Heritage. A New Way of Understanding and Communicating Architecture: The Case of Francesco Clerici's Works	737
Camilla Casonato	
Intangible Cultural Heritage: Poetics of the Ephemeral in the Land of Abruzzo	746
Maurizio Unali	
The Use of Remote Monitored Mobile Tools for the Survey of Architectural and Archaeological Heritage	756
Michela Cigola, Arturo Gallozzi, Luca J. Senatore, and Roberto Di Maccio	
Developing Place Identity	
Developing Semantic Models for the Historic Urban Landscape Regeneration	769
Giuseppe Amoruso	
Exploratory Catalog of Architectures and Rural Micro-Architectures in the National Park of Cilento	778
Antonella Ranaldi	
Inclusive Placemaking: Building Future on Local Heritage	783
Tomasz Jeleński	

Representation of Enjoyment in Ecomuseums. Analysis for Creative Placemaking	794
Cecilia Bolognesi	
Coding for Community	802
Christopher C. Miller	
Viewsheds and Cultural Landscape. A Geometrical Approach to Visual Spatial Analysis	811
Matteo Flavio Mancini and Giovanna Spadafora	
Different Matrixes of Sicilian Landscapes in <i>Le Cento Città d'Italia</i>. Social Identity, Cultural Landscape and Collective Consciousness In-Between Texts and Images	823
Martino Pavignano and Ursula Zich	
The Urban Landscape and Its Social Representation. A Cognitive Research Approach to Rethinking Historical Cultural Identities	834
Letizia Bollini	
Lookouts as a Tool for the Valorisation of Urban Landscape. The Case Study of Madrid	843
Eva J. Rodríguez Romero, Carlota Sáenz De Tejada Granados, and Rocío Santo-Tomás Muro	
Ancient Residences and Vineyards in the Park of the Turin Hills	852
Nadia Fabris	
Metamorphosis: Restoring the Manila Metropolitan Theatre in the Urban Imagination and Collective Memory	860
Gerard Lico and Timothy Augustus Ong	
Representing Place, Branding Place. Designing Place Identity Enhancing the Cultural Heritage	878
Enrico Cicalò	
Environmental Graphics as Atmospheres Generators	888
Fabio Candido	
Representation Tools for Pedestrian and Cyclistic Fruition of Urban Area	893
Marco Carpiceci and Michele Russo	
Signs and Structures of Oltrepò Pavese: Summary for the Graphic Representation of the Traditional Cityscape	904
Francesca Picchio and Anna Dell'Amico	
Strategic Design for the Enhancement of Cultural Itineraries and Related Territories. "Via Regina": A European Cultural Itinerary	914
Roberto de Paolis	

Exploring the Landscape Through Drawings, with Historic Routes and Contemporary Directions	928
Caterina Palestini	
Lost Highways. Sinan's Architectural and Urban Transformations in Thrace as Traces of the Ottoman Civilization and as Possible Cultural Landscape for the Future	938
Luca Orlandi	
Drawing for the Future: Micro-cities, Villages and Landscapes of Abruzzo	949
Giovanni Caffio	
To Retrain the Urban Space and the Residence: The Case of Porta Palazzo, Turin	957
Federica Capriolo	
Cultural Landscapes with a Strong Identity: Havana	965
Julio Caesar Perez Hernandez	
Paradigms for the Meta-Project of a Temporary Pavilion for Chamber Music in Sensitive Cultural Contexts	975
Marianna Pasetto	
The Identity Landscape in the Cataloging of Scattered Assets in the Area of Amelia	984
Fabio Bianconi, Sofia Catalucci, and Marco Filippucci	
Urban and Architectural Identity, the Meaning of the Architectural Vocabulary	994
Enrico Bascherini	
Learning from the Past: Water Heritage. Landscape Patterns Around Parma	1001
Michela Rossi	
Cremona City of Water: The River Architecture	1010
Maria Teresa Feraboli	
Towards the Knowledge and Conservation of Pre-industrial Architecture in Calabria: Formal, Typological and Constructive Features of Mills Buildings	1020
Brunella Canonaco and Francesca Bilotta	
Memories of Stone Among the Water Ways: The Mills Valley in Gragnano, Naples	1030
Claudia Sicignano	

Historical Towers in the Evolution of the Image of Perugia: Knowledge, Perception and Valorisation of the Landscape	1038
Alessandra Nebiolo, Michela Meschini, and Elisa Bettolini	
Built Landscape Typological Components	1045
Mario Gallarati	
History as Tradition. The Relationship with the Historical Context in Recent Projects in Sicily	1058
Carlo Berizzi	
Jaat Architecture, Mirror of the Past and Shadow of Future	1068
Monali Wankar Chakraborty and Bikramjit Chakraborty	
The White Stone of South-Eastern Sicily: Urban and Territorial Identity	1078
Tiziana Firrone	
Life Beyond Tourism[®] for Territories Valorisation	1087
Corinna Del Bianco	
Challenges for Re-use and Conservation	
Adaptive Reuse of Underused Industrial Sites, Case Study: The Superphosphate of Laç	1097
Boriana Vrusho and Frida Pashako	
New into the Ancient – Interventions of Architecture on the Archaeological Heritage of Santa Maria di Pulsano Abbey at Monte Sant’Angelo	1113
Claudia Casarano	
Language or Tradition? Continuity and Innovation in the Landscape of Ticino	1123
David Mayernik	
A Proposal for an Urban Regeneration Project in a Small Quarter in Andorra La Vella	1131
Anne Fairfax and Richard Sammons	
Houses in the Cultural Landscape of the Western Black Sea Coast	1138
Vladimir Popov	
Methodos, Processes for the Enhancement of Cultural Heritage: The Rehabilitation of the Minor Architecture in Liguria	1146
Marco Della Rocca	
Study of the Phenomenon of Upper Kama Architecture: Rehabilitation of Usolye Historic Site	1155
Kseniia Mezenina	

The Contemporary Urban Design for Living Today the Historic Areas of the City. The Case Study of the Historic Centre of Banyoles 1164
 Gaia Vicentelli

The Conques *Masia* Restoration Project 1173
 Romolo Continenza, Ilaria Trizio, and Arianna Tanfoni

Restoration and Improvement of Rural Building Heritage: The Trulli 1182
 Hilde Grazia Teresita Romanazzi

The Historical Buildings of Minori: A Preliminary Assessment for the Restoration of a Unesco Site 1191
 Federica Ribera and Chiara Romano

The Environmental Sustainability of the Manor Farm System 1201
 Valentina Adduci

Railway Transport and “City Gates” in the Development of the City: The Case of Matera 1209
 Letizia Musai Somma

GIS Model for Morpho-Typology in Historic Preservation and Contextual Design 1218
 Pedro P. Palazzo and Ana Laterza

Building According to Tradition

Restoring Traditional Architecture and Promoting Earth Building in the M’hamid Oasis: 2012–2014 Campaigns 1231
 Oriol Domínguez, Alejandro García Hermida, and Carmen Moreno

Traditional Earth Architecture in the Euro-Mediterranean Region. From Conservation to Knowledge for Sustainable Use 1241
 Valentina Pica

The Vault in Amiens Cathedral’s Transept 1253
 Jose Carlos Palacios

Study of Tradition and Research of Innovative Stereotomic Bond for Dome in Cut Stone 1262
 Roberta Gadaleta

Diagnosis for Preservation Design of Royal Villa of Monza Wooden Works 1271
 Francesco Augelli

An Unusual Landscape: Technological Design for Roof 1282
 Antonella Violano and Antonella Della Cioppa

**The Protection of Masonry Structures for the Requalification and Use of the Architectural Heritage:
The Historic Buildings of Lioni** 1293
Nicola Santopuoli, Miriam Vitale, Antonio Perretti,
and Giovanna De Filippo

The *Fina*: A Traditional Mediterranean Urban Design Concept Investigated in Belmonte Calabro Village, Italy. Learning Lessons for Contemporary Urban Policies 1303
Guglielmo Minervino and Valentino Canturi

Colour Plan of Valletti Historical Heritage in Varese Ligure 1313
Alberto Boccardo, Frenchi Ginocchio, Mirco Silvano, and Nadia Silvano

Recovering Chromatic Space as a Sign of Identity in the Historic City 1321
Ana Torres Barchino, Jorge Llopis Verdú, and Juan Serra Lluch

Variations of Identity: Tuff as Matter of Architecture. Shades of Light, Time and Colour 1329
Antonio Conte, Maria Bruna Pisciotta, and Valentina Spataro

Vista Alegre, to Transpose Form and to Prolong Use [1] 1340
Rita Filipe

Revisiting Text and Meaning

Utopia. The Design of the Ideal City 1353
Ubaldo Occhinegro

Sociologically Reframing Le Corbusier: Settler Colonialism, Modern Architecture and UNESCO 1365
Eric M. Nay

Urban Domestic Landscape. Architecture and Design of the Bourgeois House: A Cultural Heritage of the Act of Dwelling 1371
Giovanni Carli

The “Ephemeral Architectures” as an Example of Play and Re-invention in Shared Processes of Creative Knowledge 1379
Massimo Schinco and Sara Schinco

“Prospettiva”: A Contemporary Conceptual Method 1388
Francesco Tosetto

A Brand Design Strategy for Architects’ Creative Thinking: Florestano Di Fausto - A Case Study 1394
Ahmed Agiel

The Role of Public Space in Sustainable Urban Development 1402
 Ruth Marie I. Equipaje

Implementing the New Urban Agenda

Streets of Hope: An Urbane, Ecological Approach to Temporary Housing for E.U. Asylum Seekers 1413
 Richard Economakis

Living in Pemba Between Public and Private Space 1423
 Corinna Del Bianco

Codesign, Social Contracts, Environmental Citizenship. The Case Study of Umbrian Region’s Atlas of Objectives and Lake Trasimeno Landscape Contract 1432
 Marco Filippucci and Fabio Bianconi

Carta Di Norcia 2003: Present Situation and Prospects 1442
 Beatrice Marucci

The Sustainable Advanced Design for Cultural Institutions 1447
 Nadia Campadelli

Community-Based Care for a Living Heritage. The University Colleges of Urbino as a Case Study 1455
 Laura Baratin, Alice Devecchi, and Francesca Gasparetto

A Model Flexible Design for Pediatric Hospital 1464
 Enrico Sicignano, Luigi Petti, Giacomo Di Ruocco, and Natale Scarpitta

Designing Remains 1473
 Luciano Crespi, Anna Anzani, Claudia Caramel, Davide Crippa, Barbara Di Prete, and Emilio Lonardo

Urban Sustainability in Practice: Priorities in India 1483
 Deependra Prashad

Regeneration and Resistance: Exclusive Manchester 1494
 Eamonn Canniffe

Representative Tools for Participatory Planning in Landscape Heritage Evaluation 1501
 Elisa Bettolini, Michela Meschini, and Alessandra Nebiolo

University Workshops as a Way of Dissemination of Architectural Traditions: The Case of the Tile Vault 1511
 Julián García, Juan Antonio Rodríguez, and David Mencías

**An Innovative Training Model on Creative Entrepreneurship:
Integrating Local Stakeholders with Summer Academies
to Enhance Territorial Heritage.** 1520
Michele Melazzini, Arianna Vignati, Francesco Zurlo, and Secil Icke

**The Internet of Things as an Integrated Service Platform
to Increase Value to the Agriculture Stakeholders** 1529
Michael John Gomes

UAV/Drones as Useful Tools in the Agricultural Production Cycle 1537
Michael John Gomes

**Proposal for the Urban Regeneration of the Suburban District Zen in
Palermo, Italy** 1545
Ettore Maria Mazzola

Author Index. 1557



<http://www.springer.com/978-3-319-57936-8>

Putting Tradition into Practice: Heritage, Place and Design

Proceedings of 5th INTBAU International Annual Event

Amoruso, G. (Ed.)

2018, LV, 1559 p. 863 illus. In 2 volumes, not available separately., Hardcover

ISBN: 978-3-319-57936-8