### POLITECNICO DI TORINO Repository ISTITUZIONALE

Branches of Architecture: Ways of Practice

Original Branches of Architecture: Ways of Practice / Gomes, Santiago (SPRINGER SERIES IN DESIGN AND INNOVATION) In: School of Architecture(s) - New Frontiers of Architectural Education / Barosio M., Vigliocco E., Gomes S STAMPA Cham, Switzerland: Springer Nature Switzerland, 2024 ISBN 9783031719585 pp. 317-318 [10.1007/978-3-031-71959-2_34]
Availability: This version is available at: 11583/2993430 since: 2024-10-15T16:20:45Z
Publisher: Springer Nature Switzerland
Published DOI:10.1007/978-3-031-71959-2_34
Terms of use:
This article is made available under terms and conditions as specified in the corresponding bibliographic description in the repository
Publisher copyright

(Article begins on next page)

Michela Barosio
Elena Vigliocco
Santiago Gomes Editors

# School of Architecture(s) - New Frontiers of Architectural Education

EAAE Annual Conference—Turin 2023





### Editor-in-Chief

Francesca Tosi, University of Florence, Florence, Italy

### Series Editors

Claudio Germak, *Politecnico di Torino, Turin, Italy*Francesco Zurlo, *Politecnico di Milano, Milan, Italy*Zhi Jinyi, *Southwest Jiaotong University, Chengdu, China*Marilaine Pozzatti Amadori, *Universidade Federal de Santa Maria, Santa Maria, Rio Grande do Sul, Brazil*Maurizio Caon, *University of Applied Sciences and Arts, Fribourg, Switzerland* 

**Springer Series in Design and Innovation** (SSDI) publishes books on innovation and the latest developments in the fields of Product Design, Interior Design and Communication Design, with particular emphasis on technological and formal innovation, and on the application of digital technologies and new materials. The series explores all aspects of design, e.g. Human-Centered Design/User Experience, Service Design, and Design Thinking, which provide transversal and innovative approaches oriented on the involvement of people throughout the design development process. In addition, it covers emerging areas of research that may represent essential opportunities for economic and social development.

In fields ranging from the humanities to engineering and architecture, design is increasingly being recognized as a key means of bringing ideas to the market by transforming them into user-friendly and appealing products or services. Moreover, it provides a variety of methodologies, tools and techniques that can be used at different stages of the innovation process to enhance the value of new products and services.

The series' scope includes monographs, professional books, advanced textbooks, selected contributions from specialized conferences and workshops, and outstanding Ph.D. theses.

The volumes of the series are single-blind peer-reviewed.

**Keywords:** Product and System Innovation; Product design; Interior design; Communication Design; Human-Centered Design/User Experience; Service Design; Design Thinking; Digital Innovation; Innovation of Materials.

### How to submit proposals

Proposals must include: title, keywords, presentation (max 10,000 characters), table of contents, chapter abstracts, editors'/authors' CV.

In case of proceedings, chairmen/editors are requested to submit the link to conference website (incl. relevant information such as committee members, topics, key dates, keynote speakers, information about the reviewing process, etc.), and approx. number of papers.

Proposals must be sent to: series editor Prof. Francesca Tosi (francesca.tosi@unifi.it) and/or publishing editor Mr. Pierpaolo Riva (pierpaolo.riva@springer.com).

Michela Barosio · Elena Vigliocco · Santiago Gomes Editors

## School of Architecture(s) -New Frontiers of Architectural Education

EAAE Annual Conference—Turin 2023



Editors
Michela Barosio
DAD
Politecnico di Torino
Turin, Italy

Santiago Gomes DAD Politecnico di Torino Turin, Italy Elena Vigliocco DAD Politecnico di Torino Turin, Italy



ISSN 2661-8184 ISSN 2661-8192 (electronic) Springer Series in Design and Innovation ISBN 978-3-031-71958-5 ISBN 978-3-031-71959-2 (eBook) https://doi.org/10.1007/978-3-031-71959-2

© The Editor(s) (if applicable) and The Author(s) 2025. This book is an open access publication.

**Open Access** This book is licensed under the terms of the Creative Commons Attribution 4.0 International License (http://creativecommons.org/licenses/by/4.0/), which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license and indicate if changes were made.

The images or other third party material in this book are included in the book's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the book's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Switzerland AG The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

If disposing of this product, please recycle the paper.

### **Organization**

### **Local Organizing Committee**

Barosio, Michela Politecnico di Torino
Crapolicchio, Martina Politecnico di Torino
Gomes, Santiago Politecnico di Torino
Gugliotta, Rossella Politecnico di Torino
Vigliocco, Elena Politecnico di Torino

### **Scientific Committee**

Atalay Franck, Oya Zurich University of Applied Sciences

Barosio, Michela Politecnico di Torino

Bologna, Alberto Sapienza Università di Roma

Boutsen, Dag KU Leuven

Cabrera, Ivan Universitat Politècnica de València

Cavallo, Roberto TU Delft

Corradi, Emilia Politecnico di Milano

Flynn, Patrick TU Dublin

Roth-Čerina, Mia University of Zagreb

Santanicchia, Massimo Iceland University of the Arts Scala, Paola Università Federico II di Napoli

Stewart, Sally Glasgow School of Art Valente, Ilaria Politecnico di Milano

Xavier, João Pedro FAUP Universidade do Porto Zupančič, Tadeja University of Ljubljana

### Organized by





### Sponsored by



### Reviewers

Ali, Ahmed K. Texas A&M University

Blanco, Manuel Universidad Politécnica de Madrid

Boano, Camillo Politecnico di Torino

Bologna, Alberto Sapienza Università di Roma

Boutsen, Dag KU Leuven

Cabrera, Ivan Universitat Politècnica de València Caliskan, Olgu Middle East Technical University

Cavallo, Roberto TU Delft

Corradi, Emilia Politecnico di Milano

Dessì, Adriano Università degli Studi di Cagliari
Dhlavacek, Dalibor Czech Technical University in Prague

Ferrando, Davide Tommaso Free University of Bolzano

Flynn, Patrick TU Dublin

Geddes, Ilaria University of Cyprus

Gullberg, Johanna Sofia Norwegian University of Science and Technology

Ieva, Matteo Politecnico di Bari Lo Turco, Massimiliano Politecnico di Torino

Macaluso, Luciana Università degli Studi di Palermo Maretto, Marco Università degli studi di Parma Mariné, Nicolás Universidad Politécnica de Madrid

Mariolle, Beatrice ENSAP Lille

Marzot, Nicola Politecnico di Torino
Massarente, Alessandro Università di Ferrara
Mattone, Manuela Politecnico di Torino
Minucciani, Valeria Politecnico di Torino

Mueller, Felix FH Münster

Pedersen, Claus Aarhus School of Architecture

Ricchiardi, Ana University of Cyprus

Rolando, Diana Politecnico di Torino Roth-Čerina, Mia University of Zagreb

Scala, Paola Università Federico II di Napoli

Segapeli, Silvana ENSA Saint-Étienne

Sentieri, Carla Universitat Politècnica de València

Stewart, Sally Glasgow School of Art Trisciuoglio, Marco Politecnico di Torino Valente, Ilaria Politecnico di Milano

Weischer, Martin FH Münster

Zupančič, Tadeja University of Ljubljana

### **Contents**

<b>Impac</b>	t of A	<b>Archi</b>	tecture	$(\mathbf{s})$	)
--------------	--------	--------------	---------	----------------	---

Impact of Architecture(s)	3
Speculating Beyond Academia. A Critical Reflection in the Light of the Experience of the PhD Workshop Held During the EAAE 23 Annual Conference  Sotiria Inetzi, Carlo Vannini, and Diana Salahieh	7
Seeds of Architecture: Ways of Teaching	
Seeds of Architecture: Ways of Teaching	15
"Self-efficacy" as a Value in Architectural Pedagogy	17
Means Oriented or Goals-Oriented Architectural Education	29
Architectural Thresholds: Critical Theory as <i>soglia</i> in Teaching Architecture and Urban Design	37
How to Tackle Crisis in Architectural Education? Truth or Dare	47
Demolition(s) in Question: A Pedagogical Approach Case Study: Toulouse Le Mirail	56
Studio Life: Mechanisms of Competition and Collaboration in Architectural Labour Processes	64

Socially Situated Pedagogies as a Strategy to Innovate Architectural Curricula: The Case Study of SArPe and Its Design Studio Experimentation at the University of Pavia  Ioanni Delsante, Tabassum Ahmed, Maddalena Giovanna Anita Duse, and Linda Migliavacca	77
Architectural Pedagogy in the Age of AI: The Transformation of a Domain  Mustapha El Moussaoui and Kris Krois	87
Teaching Architecture in the Age of Fragility	94
Risk, Trust and Big Beautiful Mistakes*: Keys to Innovation in Architectural Education	102
Transformations of Public Spaces - Sustainable and Ethical Approach to Architectural and Urban Design Using Mixed Cultural Background  Patrycja Haupt, Mariusz Twardowski, Luca Maria Francesco Fabris, Riccardo M. Banzarotti, Andres Ros Campos, J. L. Gisbert, and Pedro Verdejo Gimeno	112
Building a Community Through a Design Build Studio Program	122
Affirmation of a Discipline: Ephemeral Tectonics of Architecture Lesson  Sinsa Justic	132
Stumbling as a Praxis of Design Practice. A Pedagogical Experiment in "Theory and Criticism of Architectural Action"	142
A Cosmopolitan Architectural Education	152
Bridging Methods and Disciplines: An Architectural Pedagogy for Rural Areas Community Stefano Sartorio	161
The Merits of Teaching Architecture as General Education	171

	Roots	of A	Architect	ure: V	Vavs	of 1	Research	1
--	-------	------	-----------	--------	------	------	----------	---

Roots of Architecture: Ways of Research	185
Practicing Care Through Architecture: Participatory Research as a Tool to Subvert Power Structures	187
Who is in?: Non-Living and Hybrid Constituents in More-Than-Living  Ecosystem of the Studio  Erenalp Büyüktopcu and Ayşe Şentürer	197
Action Based Research for Capacity Building of Neighborhood Communities  Daniela Calciu, Vera Marin, and Oana Pavăl	208
Research by Design at the Crossroads of Architecture and Visual Arts:  Exploring the Epistemological Reconfigurations  Marianna Charitonidou	219
Topological Deformability in Architecture, or How to Learn About Differences	232
The Complexity Conflict in Research and Practice: The Case of Public-Private Interface Configuration	242
Regenerating Public Housing in Italy with the Support of the Next Generation EU Fund. Lessons Learned from a Research by Design Experience Fabio Lepratto and Giuliana Miglierina	251
Interscalar and Interdisciplinary Approaches for a Valley Community. The Case of Sappada  Alessandro Massarente, Alessandro Tessari, and Elena Guidetti	263
Architectural Design Studio: Embracing a Transdisciplinary Approach	273
Mountains in Motion, Visions in Nutshells. The Alpine Way for Common Living	283

Villages from the Perspective of Local Gaze: A Chinese Case Study  Wei Xintong and Zhou Haoming	294
Rethinking Architecture in the Digital Age: From Parametric Design Thinking to Philosophical Perspectives	306
Branches of Architecture: Ways of Practice	
Branches of Architecture: Ways of Practice	317
Level II Training and Development of Scientific and Didactic Content.  The Case of Executive Master: Mountain-Able. Planning and Design for the Sustainable Development of Mountain  Emilia Corradi	319
The Glass House Revisited	329
Participation of Stakeholders in Open Architectural and Urban Planning Competitions. Procedure Model and Application in Croatian Context  Rene Lisac and Kristina Careva	339
Architectural practice in the Digital Age: Balancing Adoption and Adaptation	349
Aligning the Pedagogy of Postgraduate Professional Practice Courses to Develop the Meta-competencies Required of Architects Today	362
Design Institutes and Design Studios: Cases of Permeability Between Teaching and Practice (Including Research)  Marco Trisciuoglio and Bao Li	375
Ways of Architecture(s)	
A New Form of Practice: La Rivoluzione delle Seppie	389

	Contents	XVII
Everyone Belongs to Everyone Else		394
Assemblage and Rituals		400
New Territorial Narratives		405
Author Index		411

# **Branches of Architecture: Ways of Practice**



### **Branches of Architecture: Ways of Practice**

Santiago Gomes<sup>(⊠)</sup>

DAD Department of Architecture and Design, Politecnico di Torino, Turin, Italy santiago.gomes@polito.it

In the session dedicated to Ways of Practice, the contributions explored the domains of professional activity in architecture today. Starting from the investigation of the relationship between the different knowledge systems (not exclusively belonging to the disciplinary field of architecture) that characterise the work of architects in the contemporary condition [1], at least two levels, two complementary themes or questions emerge. On the one hand, the question of the redefinition of the very concept of architectural practice and the updating of the objectives of a professional knowledge that, while changing its physiognomy and expanding its boundaries [2], seems to maintain a certain relationship with the traditional education and teaching system [3]. On the other hand, a reflection on the role of academia, teaching, and design-based research in a panorama in the face of which the question of refuge in disciplinary autonomy or the dissolution of the figure of the architect within complex multidisciplinary processes could appear as the only possible paths.

The role of communities in the processes of evaluation, construction, and validation of design practice, as well as the interaction with stakeholders and thus their contributions to the project, are all issues that influence the two levels just mentioned. In this sense, the contributions have, through the presentation of case studies, investigated transversally from a methodological point of view the methods deployed by professionals and educators in order to succeed in integrating and holding together all these contributions, working on research topics, innovative functional programmes, the use and implications of new digital technologies and the two-way contamination between professional and academic research activities.

If these changes in everyday professional practice seem to be consolidated or seem to have been forcibly incorporated into the work of architects within architecture schools, the debate is animated and far from over. Several interventions, in fact, focus on the opportunity (or the possible effectiveness) of rethinking the curricula and the university educational offer in order to consolidate and develop the adaptive behaviour of the architect as a coordinator, solicitor and stimulator of design activities that go far beyond the boundaries that traditionally defined the architect's action within the processes of habitat transformation and global sustainability challenges.

### References

 Gutman, R.: Architectural Practice: A Critical View. Princeton Architectural Press, New York (1997)

- Harriss, H., Hyde, R., Marcaccio, R.: Architects after Architecture: Alternative Pathways for Practice. Routledge, New York (2020)
- 3. Voet, C., Schreurs, E., Thomas, H.: (eds.) The Hybrid Practitioner. Building, Teaching, Researching Architecture. Leuven University Press, Leuven (2022)

**Open Access** This chapter is licensed under the terms of the Creative Commons Attribution 4.0 International License (http://creativecommons.org/licenses/by/4.0/), which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license and indicate if changes were made.

The images or other third party material in this chapter are included in the chapter's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the chapter's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder.



### **Author Index**

A	G
Adamo, Rita Elvira 389	Gimeno, Pedro Verdejo 112
Ahmed, Tabassum 77	Gisbert, J. L. 112
Akin, Naime Esra 17	Glorialanza, Giovanni 400
Ali, Ahmed K. 29	Gomes, Santiago 317
Ardesio, Giacomo 394	Gugliotta, Rossella 3
	Guida, Alessandro 405
В	Guidetti, Elena 263
Banzarotti, Riccardo M. 112	Gullberg, Johanna S. 102
Barosio, Michela 15	
Bertolino, Nadia 187	н
Boano, Camillo 37	Haoming, Zhou 294
Bonizzoni, Alessandro 394	Haupt, Patrycja 112
Brown-Molloy, Catherine 362	Haupt, Fau yeja
Bruno, Edoardo 142	
Büyüktopcu, Erenalp 197	I
	İnalhan, Göksenin 47
C	Inceoglu, Arda 122
Calciu, Daniela 208	Inetzi, Sotiria 7
Campos, Andres Ros 112	
Campri, Nicola 394	J
Caprino, Veronica 394	Jahodová, Šárka 242
Careva, Kristina 339	Justic, Sinsa 132
Čeko, Andrea 3	,
Charalambous, Nadia 273	K
Charitonidou, Marianna 219	==
Concheiro Guisan, Isabel 56	Kousidi, Stamatina 329 Krois, Kris 87
Corradi, Emilia 319	Krois, Kris 87
Crapolicchio, Martina 3	
,	L
D	Lepratto, Fabio 251
de Lima Amaral, Camilo Vladimir 64	Li, Bao 375
Delsante, Ioanni 77	Lisac, Rene 339
Dragišić, Maja 232	
Duse, Maddalena Giovanna Anita 77	M
,	Mainardi, Claudia 394
E	Mance, Damir 349
El Moussaoui, Mustapha 87	Marin, Vera 208
	Massarente, Alessandro 263
F	Migliavacca, Linda 77
Fabris, Luca Maria Francesco 112	Miglierina, Giuliana 251
Frattari, Camillo 94	Mullally, Claire 362
, , .	

© The Editor(s) (if applicable) and The Author(s) 2025 M. Barosio et al. (Eds.): EAAE AC 2023, SSDI 47, pp. 411–412, 2025. https://doi.org/10.1007/978-3-031-71959-2

412 Author Index

P	T
Panayi, Christina 273	Tessari, Alessandro 263
Pavăl, Oana 208	Tognon, Alisia 283
	Trisciuoglio, Marco 375
Q	Tünür, Hazal Çağlar 47
Quaglio, Caterina 142	Twardowski, Mariusz 112
R	V
Rødne, Gro 102	·
Roussou, Effrosyni 273	Vannini, Carlo 7
Rubbo, Viviana 405	Vigliocco, Elena 185
S	W
Salahieh, Diana 7	Wu, Hongye 306
Santanicchia, Massimo 152	wu, Hongye 300
Sartorio, Stefano 161	
Şentürer, Ayşe 197	X
Suzuki, Arno 171	Xintong, Wei 294