

*Curriculum vitae*

**Scientific and didactic activity.**

**Andrea Tartaglia**

## 1. SYNTHETIC BIBLIOGRAPHIC NOTES.

**Andrea Tartaglia**, born omissis

- December 1996.  
**Graduated summa cum laude** in "Architettura" (five years Diploma in Architecture), Facoltà di Architettura, Politecnico di Milano.
- October 1998.  
**Master of Arts** in *Health buildings: planning, management and design*, London South Bank University, London.
- Since 1998.  
Registered at *Albo dell'Ordine degli Architetti, Pianificatori, Paesaggisti e Conservatori della Provincia di Milano* number 10778.
- Since 1998.  
Registered at *Architect Registration Board (ARB)* UK number 062842E.
- July 2004.  
**PhD** in "*Innovazione tecnica e progetto nell'architettura (Technical innovation and design in architecture)*", Politecnico di Milano.
- 2004-2006.  
**Assegnista di Ricerca (Research fellow)** at Department Building Environment Science and Technology of Politecnico di Milano.
- 2007-2015  
**Ricercatore di ruolo (Researcher and Assistant professor)** in *Architectural Technology (ICAR12)* at Department Building Environment Science and Technology (now Architecture, Built environment and Construction engineering) of Politecnico di Milano.

– Since 2015

**Professore associato in Tecnologiadell'architettura -ICAR 12 (Associated professor in Architectural Technology))** at Department Building Environment Science and Technology (now Architecture, Built environment and Construction engineering) of Politecnico di Milano.

– Since 2018

in possession of the **National Scientific Qualification for the role of full professor** for the sector 08 / C1 - DESIGN AND TECHNOLOGICAL DESIGN OF ARCHITECTURE (Abilitazione **Scientifica Nazionale per il ruolo di professore di I Fascia** per il settore concorsuale 08/C1 - DESIGN E PROGETTAZIONE TECNOLOGICA DELL'ARCHITETTUR)

## 2.

## SCIENTIFIC PROFILE.

Inside the area of interest of *Technological Design of Architecture (Progettazione Tecnologica dell'Architettura)*, the research and design activity has been oriented to investigate the relationship among the triad **ENVIRONMENT-HEALTH/WELLBEING-REGULATIONS** at the different scales and through the governance, programming, design processes and products.

Thus, in coherence with the scientific approach of the **Technological Design for Architecture and Environment**

(progettazione tecnologica ambientale) the activity has been concentrated on three focuses:

- a. Relationship between **project quality and innovation**, management of the processes and regulatory, social and economic aspects **in public works**.

The evolution of the operative scenario of interventions increasingly characterized by high technical and procedural complexity, modification of regulatory framework and quick innovations in technologies and systems asks to the enhancement and upgrading of programming and design methods, models and tools.

With regard to this, projects of services for the collectivity (health buildings, education buildings, collective housing) are one of the most significant paradigms and they have been analyzed through Research Projects of National Interest (Progetti di Ricerca di Interesse Nazionale - PRIN); researches funded by public institutions; feasibility studies; design activity and constructions.

- b. **Processes of large-scale regeneration** in relation to the changed economics, institutional, management, climatic and social issues request innovative tools of governance and programming to effectively implement policies and strategies in actions and interventions.

These have been researched and experimented with particular attention to the transformation and enhancement processes of contexts with high environmental and landscape values through strategic plans, territorial and urban master plans (Piani territoriali di coordinamento provinciali, Piani di area vasta, Piani di governo del territorio); Urban Transformation Companies (Società di trasformazione urbana STU).

- c. **Design and evaluation of urban regeneration and public space quality**. The impacts of climatic change ask for a higher project ability of anticipating the impacts of the design alternatives and properly managing new solutions and techniques (e.g. nature based solutions) to lead our cities and buildings toward the ecological transition and a diffused circular economy model.

This to implement cities' resilience and pursue a higher quality of life for habitants. Starting from an in deep understanding of degradation processes in urban systems, new ex ante and ex post evaluation tools of environmental impacts of the design alternatives has been studied and applied in urban regeneration intervention with particular attention to the quality and accessibility of public spaces.

In this sense, a specific focus has been also related to the development and use of specific techniques, products and material to increase the sustainability of the interventions.

The activities has been carried out through Research Projects of National Interest (Progetti di Ricerca di Interesse Nazionale - PRIN); researches funded by public institutions as well as project for urban regeneration and public spaces.

### 3. DIDACTIC ACTIVITY AND INSTITUTIONAL ROLES

#### 3.1 Didactic activity.

The entirety of the experiences and knowledge developed through scientific research and also through design applications, has been transferred into the didactic activity for BA, Master and PhD programs (in line with the different levels of complexity). In particular, numerous "design studio" experiences, mainly as coordinator, has been useful to promote enhanced methodologies in didactic, to transfer knowledge and to improve project abilities with regard to the interdisciplinary and integrated design approach.

#### **Curricular BA courses**

- **A.Y. 2021-22; 2020-21; 2019-20; 2018-19; 2017-18; 2016-17; 2015-16**  
Politecnico di Milano, School AUIC, Milan Leonardo Campus, BS in *Architectural Design (L-17)*, international program **in English**.  
**Coordinator** of the *Building Technology Studio* and appointed for the module of TECHNOLOGICAL DESIGN ARCHITECTURE (8CFU).
- **A.Y. 2014-15; 2013-14; 2012-13**  
Politecnico di Milano, Scuola di Architettura e Società, Mantua Campus, Bachelor of Science in *Architettura e Produzione Edilizia (L-23)*, program in Italian.  
*Laboratorio di Progettazione tecnologica dell'architettura 2 (Studio of Architectural technology design)*, appointed for the module of PROGETTAZIONE DI ELEMENTI E SISTEMI (Design of elements and systems) (4 CFU).
- **A.Y. 2011-12; 2010-11; 2009-10**  
Politecnico di Milano, Scuola di Architettura e Società, Mantua Campus, Bachelor of Science in *Architettura e Produzione Edilizia (L-23)* program in Italian.  
*Laboratorio di Costruzione (Studio of Construction)*, appointed for the module of PROGETTAZIONE ESECUTIVA (Construction design)(4 CFU).
- **A.Y. 2010-11**  
Politecnico di Milano, Scuola di Architettura e Società, Milan Leonardo Campus, Bachelor of Science in *Scienze dell'Architettura (L-17)* program in Italian.  
*Laboratorio Tematico Opzionale (Final Studio)*, appointed for the module of TECNOLOGIA DELL'ARCHITETTURA (Architectural Technology)(4 CFU).
- **A.Y. 2008-09**  
Politecnico di Milano, Facoltà di Architettura e Società, Mantua Campus, Bachelor of Science in *Architettura e Produzione Edilizia (L-23)* program in Italian.  
Integrated Course of *Progettazione esecutiva (Construction design)*, appointed for the module of PRINCIPI DI PROGETTAZIONE ESECUTIVA (Principles of construction design) (4 CFU).
- **A.Y. 2007-08**  
Politecnico di Milano, Facoltà di Architettura e Società, Mantua Campus, Bachelor of Science in *Architettura e Produzione Edilizia (L-23)* program in Italian.  
Integrated Course of *Tecnologia dell'architettura (Architectural technology)*, appointed for the module of TECNOLOGIA DEI SISTEMI IMPIANTISTICI (Technology of services)(4 CFU).

– **A.Y. 2006-07; 2005-06; 2004-05**

Politecnico di Milano, Facoltà di Architettura e Società, Milan Leonardo Campus,  
Bachelor of Science in *Scienze dell'Architettura (L-17)* program in Italian.

*Laboratorio di Costruzione dell'architettura 1 (Studio of architecture construction 1)*,  
appointed for the module of PROGETTO DI ELEMENTI E SISTEMI (Design of  
elements and systems) (1,5 CFU).

– **A.Y. 2003-04**

Politecnico di Milano, Facoltà di Architettura e Società, Milan Leonardo Campus,  
Bachelor of Science in *Scienze dell'Architettura (L-17)* program in Italian.

*Laboratorio di Sintesi Finale Progettazione di opere pubbliche (Final studio in public  
building design)*, appointed for the module of CONTROLLO DELLA QUALITÀ EDILIZIA  
(Control of building quality)(2 CFU).

### **Curricular Master courses**

- **A.Y. 2022-23; 2021-22; 2019-20; 2018-19; 2017-18**  
Politecnico di Milano, School AUIC, Milan Leonardo Campus, Master in *Architecture Built environment Interiors (LM-4)*, international program **in English**.  
**Coordinator** of the *Design and Construction Studio* and appointed for the module of TECHNOLOGICAL AND ENVIRONMENTAL DESIGN (6CFU).
  
- **A.Y. 2022-23;**  
Politecnico di Milano, School AUIC, Milan Leonardo Campus, Master in *Architecture Built environment Interiors (LM-4)*, international program **in English**.  
**Coordinator** of the *Thematic Studio* and appointed for the module of BUILDING TECHNOLOGY (6CFU).
  
- **A.Y. 2017-18; 2016-17; 2015-16; 2014-15; 2013-14; 2012-13; 2011-12; 2010-11**  
Politecnico di Milano, Scuola di Architettura e Società, Milan Leonardo Campus, Master of Science in *Architecture (LM-4)*, international program **in English**.  
**Coordinator** of the *Building Technology Studio* and appointed for the module of ARCHITECTURAL TECHNOLOGY(6 CFU).
  
- **A.Y. 2016-17; 2015-16**  
Politecnico di Milano, School AUIC, Piacenza Campus, Master in *Sustainable Architecture and Landscape Design (LM-4)*, international program **in English**.  
**Coordinator** of the *Urban and Landscape Regeneration Studio* and appointed for the module of ENVIRONMENTAL TECHNOLOGY (6 CFU).
  
- **A.Y. 2014-15; 2013-14; 2012-13; 2011-12**  
Politecnico di Milano, Scuola di Architettura e Società, Piacenza Campus, Master of Science in *Sustainable Architecture of Multi-Scale Project (LM-4)*, international program **in English**.  
**Coordinator** of the *Large-Scale Building Technology Studio* and appointed for the module of ECOEFFICIENT TECHNOLOGIES(6 CFU).
  
- **A.Y. 2009-10**  
Politecnico di Milano, Facoltà di Architettura e Società, Milan Leonardo Campus, Master of Science in *Architecture (LM-4)*, international program **in English**.  
Integrated Course of *Building and construction techniques*, appointed for the module of BUILDING CONSTRUCTION (4 CFU).
  
- **A.Y. 2008-09**  
Politecnico di Milano, Facoltà di Architettura e Società, Milan Leonardo Campus, Master of Science in *Architettura (LM-4)*, program in Italian.  
Integrated Course of *Strumenti e tecniche per il controllo ambientale (Tools and techniques for environmental control)*, appointed for the module of PROGETTAZIONE AMBIENTALE (Environmental design)(4 CFU).
  
- **A.Y. 2008-09; 2007-08**  
Politecnico di Milano, Facoltà di Ingegneria Edile/Architettura, Milan Leonardo Campus, Master of Science in *Gestione del Costruito (LM-24)*, program in Italian.  
Appointed for the module/course of ANALISI, VALUTAZIONE E CONTROLLO DELL'AMBIENTE COSTRUITO (Analysis, evaluation and control of built environment) (5 CFU).



**Additionally: supervisor of more than 45 final degree thesis.**

### **Courses and lectures for Professional Master and Specialization programs**

- **Politecnico di Milano**  
Lecturer for the MASTER DI II LIVELLO "Progettazione Costruzione Gestione delle Infrastrutture Sportive", editions 2017, 2018.
- **Politecnico di Milano-Università Statale di Milano-Università Cattolica del "Sacro Cuore" di Roma**  
Lecturer for the MASTER CONGIUNTO DI II° LIVELLO "*Pianificazione, programmazione e progettazione dei sistemi ospedalieri e socio-sanitari (Planning, programming and design of hospital and health building systems)*" editions 2010, 2011, 2014, 2015-16, 2017-18.
- **SDA- Università Bocconi and MIP – Politecnico di Milano**  
Lecturer for the Master in "Real Estates" Course of *Organizzazione del processoedilizio (Organisation of building process)*, editions 2007, 2008, 2009, 2010, 2011.
- **Università Cattolica del Sacro Cuore and Istituto Europeo di Oncologia**  
Lecturer for the Specialisation Course in "*Igiene, Architettura, Edilizia ed Impiantistica Sanitaria (Hygiene, Architecture, Buildings and Services for Health Construction)*" edition 2006-2007
- **Università degli Studi di Parma, Facoltà di Medicina e Chirurgia, School of Specialisation in *Igiene e Medicina Preventiva***  
Lecturer for the Course in *Igiene e Medicina Preventiva (Hygiene and preventive medicine)*, 2004.
- **Politecnico di Milano**  
Lecturer for the Professional Course in *Progettazione e gestione delle strutture sanitarie e socio-sanitarie (Design and management of health buildings)*, editions 2001, 2003.
- **Politecnico di Milano**  
Lecturer for the Professional Course in *Progettazione e gestione delle strutture sanitarie e socio-sanitarie (Design and management of health buildings)*, editions 2001, 2003.

### **PhD curricular courses**

#### **– A.Y. 2013-2014**

Politecnico di Milano, PhD Program in *Architecture, Built Environment and Construction Engineering*

Course of *Cultural heritage conservation and valorization part 2*, professors: Fanzini Daniele, Della Torre Stefano, **Tartaglia Andrea**, Casoni Giorgio.

#### **– A.Y. 2010-2011**

Politecnico di Milano, PhD Program in *Progetto e tecnologie per la valorizzazione dei beni culturali (Design and technologies for cultural heritage)*

Course of *Tecnologie e progetto per i sistemi museali, le strutture archivistiche e la valorizzazione dei beni diffusi (Technologies and project for museum systems, archives and the enhancement of dispersed heritage)*, professors: Faroldi Emilio, **Tartaglia Andrea**.

#### **– A.Y. 2007-2008**

Politecnico di Milano, PhD Program in *Design e tecnologie per la valorizzazione dei beni culturali (Design and technologies for cultural heritage)*

Course of *Processi e tecnologie per la valorizzazione dei sistemi ambientali e paesaggistici (Processes and technologies for environmental and landscape enhancement)*, professor: **Tartaglia Andrea**.

#### **– A.Y. 2013-2014**

Politecnico di Milano, PhD School Course, proposed by PhD Program in "*Design and technologies for cultural heritage*"

International Workshop "*Design, technologies and innovation in cultural heritage enhancement*" 5-8 May 2014

Foreign professors: Jan Rosvall, Christer Gustafsson, Tor Brostrom

PhD professors and organisation: Elena Musisnelli, Daniele Fanzini, Roberto Bolici, Matteo Gambaro, **Andrea Tartaglia**.

Moreover, he has given lectures on **PPP tools** for the enhancement of built environment inside Courses of the following PhD programs of Politecnico di Milano:  
- *Tecnologia e Progetto per l'Ambiente Costruito*(2008).

Additionally:

- **Supervisor** of 5 PhD Thesis (3 with Honor);
- **Member of the selection committees** for access to the doctoral programs:
  - *Design e tecnologie per la valorizzazione dei beni culturali* (XXVII cycle);
  - *Architecture, Built Environment and Construction Engineering* (XXXV cycle)
  - *Architecture, Built Environment and Construction Engineering* (XXXVIII cycle)
- **Member of PhD final exam commissions for:**
  - Università IUAV di Venezia - PhD Program *Architettura, Città e Design*, XXXIV cycle, session 18/10/2022;
  - Politecnico di Milano – PhD Program *Architecture, Built Environment and Construction Engineering*, XXXIII cycle, session 25/11/2021;
  - Università degli Studi Mediterranea di Reggio Calabria – PhD Program *Architettura e territorio*, XXXI cycle session 24/10/2019.
- **external reviewer** of PhD theses for:

- Università di Camerino School of Advanced Studies - PhD Program Architecture, Design, Planning - XXXIV cycle;
- Università IUAV di Venezia - PhD Program *Architettura, Città e Design* - XXXIV cycle;
- Università Federico II di Napoli-PhD program in *Architecture* - XXXIII cycle
- Università Sapienza of Rome - PhD program in *Ingegneria dell'Architettura e dell'Urbanistica*- XXXI cycle;
- Università degli Studi di Firenze - PhD program in *Architecture* - XXXIII cycle.

### **Coordination and organization of didactic competition, seminars, workshops and exhibitions**

*Regeneration processes and a technological design attentive to solutions aimed at well-being and environmental sustainability are also the principal contents of the activities coordinate and organized for strengthening and enhancing the results of didactic.*

- 1. Coordination and organization** of the Design competition for students "Redesigning the Carlo Orsini Primary School", (with Municipality of Pecetto di Valenza), Politecnico di Milano, January - March 2022, award ceremony September 2022. Exhibition of the project at Centro Culturale Borsalino at Pecetto di Valenza.  
*Topic: regeneration projects for a Primary School.*
- 2. Coordination and organization** of the "Ca'Granda Award" first edition, student competition and exhibition (with Fondazione SviluppoCa'Granda, Consorzio di Bonifica Est Ticino Villoresi), Territorial Pole of Piacenza - Politecnico di Milano, award ceremony and exhibition October 2016.  
*Topic: regeneration projects for the farmhouse system owned by the Fondazione SviluppoCa'Granda in the southwest of Milan.*
- 3. Coordination and organization** of the "Ca'Granda Award" second edition, student competition and exhibition (with Fondazione SviluppoCa'Granda, Consorzio di Bonifica Est Ticino Villoresi), Territorial Pole of Piacenza - Politecnico di Milano, award ceremony and exhibition November 2017.  
*Topic: regeneration projects for the farmhouse system owned by the Fondazione SviluppoCa'Granda in the southwest of Milan.*
- 4. Coordination and organisation** (with Roberto Bolici and Matteo Gambaro) of the Prize for students "Costruire sostenibile (Building sustainable)" (with Comune di Ostiglia, Regione Lombardia, Camera di Commercio di Mantova) first edition, Territorial Pole of Mantua - Politecnico di Milano, publication of the catalogue, ceremony and exhibition October 2008.  
*Topic: project for new social housing in Ostiglia.*
- 5. Coordination and organisation** (with Roberto Bolici and Matteo Gambaro) of the Prize for students "Costruire sostenibile (Building sustainable)" (with Comune di Solferino, Gruppo Manni HP) second edition, Territorial Pole of Mantua - Politecnico di Milano, ceremony and exhibition November 2009.  
*Topic: project for a new social housing in Solferino.*

- 6. Coordination and organisation** (with Roberto Bolici and Matteo Gambaro) of the Prize for students "Costruiredostenibile (Building sustainable)" (with Comune di Quistello, Promoimpresa) third edition, Territorial Pole of Mantua - Politecnico di Milano, ceremony and exhibition October 2010.

*Topic: project for new social housing in Quistello.*
- 7. Coordination and organization** of the Exhibition of didactic projects "Reinventing cities. A project for via Serio", Politecnico di Milano, 5th-10th of July 2018.

*Topic: project for a sustainable student housing respecting the indication of the C40 call.*
- 8. Coordination and organization** of the Conference Cycle "The project experience: from the idea to the construction", Politecnico di Milano, 4th and 18th of April, 9th and 23rd of May 2019.

*Topic: Cycle of conferences with international and national architects and engineers in which they described methods and tools to develop their projects from the first idea to the detail design and construction.*
- 9. Coordination and organization** of the Seminar "Ethical concrete", Politecnico di Milano, 25th of November 2015.

*Topic: cycle of conferences with international and national architects and engineers in which they described methods and tools to develop their projects from the first idea to the detail design and construction.*
- 10. Coordination and organization** of the Seminar "Architecture & Technology in a smaller and smaller world", Territorial Pole of Piacenza - Politecnico di Milano, 2nd of May 2013.

*Topic: conference with external guest to discuss about the evolution of the discipline with the globalization of the processes.*
- 11. Curator** of the "Milan International Architecture Workshop 2010" (with Massimo Bricocoli, Antonella Bruzzese, Fabrizio Leoni, Ingrid Paoletti, Matteo Poli, Gennaro Postiglione (coordinator), Luigi Spinelli, Matteo Aimini, Lorenzo Bini, Giancarlo Floridi, Andrea Gritti, Paolo Mestriner, Salvatore Porcaro), Politecnico di Milano, 27th of September - 2nd of October 2010.

*Topic: international workshop with 10 foreign architects to lead the student in designing the regeneration of 10 areas of Milan.*

## 3.2 Institutional roles in didactic activity management

### **Exchange agreements responsibility**

*Internationalization, understood as promoting the free movement of people - students, professors, staff - and ideas to develop the dissemination of knowledge, is central to raising the quality of teaching and learning through the comparison and exchange of different experiences and models. In this sense, particular attention has been given to helping the AUIC School - Politecnico di Milano to enhance these exchanges by actively acting as a promoter of exchanges.*

- **Since 2015**  
**Promoter and responsible** of international exchanges ERASMUS / ERASMUS + for the Architecture Courses of the AUIC School with the **Aalborg Universitet (Denmark)**.
- **Since 2015**  
**Promoter and responsible** of international exchanges ERASMUS / ERASMUS + for the Architecture Courses of the AUIC School with the **Ecole Nationale Supérieure d'Architecture de Nancy (France)**.
- **2015-2018**  
**Promoter and responsible** of international exchanges ERASMUS / ERASMUS + for the Architecture Courses of the AUIC School with the **EestiKunstiakadeemia (Latvia)**.
- **2015 - 2017**  
**Promoter** of the ERASMUS + exchange (funded under the **Key Action 107 call**) for the Architecture Courses of the AUIC School (both for students and for teachers / technical and administrative staff) with the **University of Novi Sad - Serbia**.
- **2016-2020**  
**Member of the evaluation commission** of the AUIC School for the award of scholarships related to the program ERASMUS+ FOR TRAINEESHIP.

### ***Institutional roles in didactic activity management at BA level***

*The planning, organization and management of study courses obliges us to a continuous comparison with a highly competitive international scenario.*

*The management activities must be aimed at a continuous improvement of the quality in terms of culture, training and also of the services provided.*

*In this sense, the application of a quality system has become essential. In particular, Politecnico di Milano apply the ANVUR Quality Assurance (QA) model based on internal procedures for the design, management, self-assessment and improvement of educational and scientific activities and on an external verification carried out in clear and transparent way also to promote awareness that all actions must aim at a real quality. In this scenario, I am actively operating every day also with programmatic and managerial responsibility roles in all the three levels of didactic hosted at the Politecnico di Milano.*

- **Since 2016 - ongoing**  
**Responsible for the Internship Service** for the **BS Program in Architectural Design**, School AUIC - Politecnico di Milano.
- **2013 - 2015**  
**Responsible for the Quality** (AVA procedure for the validation of the Degree programs) of the **BS Program in Architettura e produzione edilizia** (Architecture and building production), School AUIC - Politecnico di Milano.
- **2011 - 2015**  
**Responsible for the Internship Service** for the **BS Program in Architettura e produzione edilizia** (Architecture and building production), School AUIC - Politecnico di Milano.

### ***Institutional roles in didactic activity management at Master level***

- **Since 2016 - ongoing**  
**Vice- coordinator of the Master in Architecture**(since 2017 Master in Architecture - Built environment - Interiors), School AUIC - Politecnico di Milano.
- **2016 - 2021**  
**Responsible for the Quality**(AVA procedure for the validation of the Degree programs) of the **Master in Architecture** (since 2017 Master in Architecture - Built environment - Interiors), School AUIC - Politecnico di Milano.
- **Since 2020**  
**President** of one of Commissions for the Final thesis Master degree in Architecture Built environment Interiors.

### ***Institutional roles in didactic activity management at PhD level***

- **Since 2019 - ongoing**  
**Member of the PhD Board** for the Program “**Architecture, Built environment and Construction engineering**”, Politecnico di Milano.  
Since 2022 also delegate for the *Promotion of supplementary activities of doctoral students*.
- **2009-2015**  
**Member of the PhD Board** for the Program “Progetto e tecnologie per la valorizzazione dei beni culturali (Design and technologies for cultural heritage)”, Politecnico di Milano.
- **2007-2011**  
**Member of the PhD Board** for the Program “Design e tecnologie per la valorizzazione dei beni culturali (Design and technologies for cultural heritage enhancement)”, Politecnico di Milano.
- **2007**  
**Member of the PhD Board** for the Program “Tecnologia e Progetto per l'Ambiente Costruito (Technology and design for built environment), Politecnico di Milano.

### ***Departmental roles for the didactic activity***

- **2023 - ongoing**  
**Member of the Board (Giunta) of** Department ABC of Politecnico di Milano (election December 2022)
- **2022 - ongoing**  
**Member of the Didactic commission** of Department ABC of Politecnico di Milano
- **2008-2009**  
**Member of the Didactic Commission** of Department BEST as responsible for the didactic in the Regional Pole of Mantua.

### ***National roles***

- **2021**  
**Member of the Commission of Evaluation Experts (CEV – Commissione esperti valutatori)** for the periodic accreditation of the Departments, Study Programs and the University of Catania.
- **Since 2019 - ongoing**  
**Disciplinary expert**(Architecture)included in the ANVUR register of *Evaluation experts*.



## 4 RESEARCH AND DESIGN ACTIVITY

### 4.2 Research activity

*In coherence with the SSD ICAR 12 the research activity here presented is focused on (A) process and product innovation for the sustainability of the built environment and on (B) methods and tools for environmental technological design for the regeneration on both building and urban scale.*

#### **Scientific responsibility for funded research projects and coordination activity**

##### **Public funding**

##### **1. 2015(A)**

**Scientific responsible** of the research *Ethical concrete*. Research contract with ATI represented by UNIBLOC s.r.l. - project funded by the Tuscany Region R&D call.

*Results: development of innovative building product based on the reuse of urban wastes for a circular economy approach.*

##### **2. 2022-2023(A)**

**Scientific responsible** of the research *Quality of the technological and environmental design and of the sustainability evaluation of the projects*. Framework research agreement with Agenzia del Demanio

*Results: guidelines for the improvement of environmental and social impact of the regeneration project managed by the Agenzia del Demanio.*

##### **3. 2020(B)**

**Scientific responsible** of the *Research and in-depth analysis for the definition of the strategic vision and policy document for the development of the territorial programming and planning of the Province of Lodi*. Funded by Provincia di Lodi.

*Results: definition of strategies and actions for the sustainable development of the provincial territory through a new balance between environmental resources, quality of life and economic development models.*

##### **4. 2021(B)**

**Scientific responsible** of the *Research activities and analytical study to support the Territorial Plan of Provincial Coordination of the Province of Lodi on soil use and consumption*. Funded by Provincia di Lodi.

*Results: construction of the information framework on land use and consumption (at the provincial and municipal level) and definition of criteria, guidelines for a different model of land use, the reduction of its consumption and higher environmental resilience.*

##### **5. 2021(B)**

**Scientific responsible** of the *Research activity for the formalization of cognitive and analytical contents of the territory of the Province of Lodi*. Funded by Provincia di Lodi.

*Results: development of an analysis and visualization model based on GIS technology of the soil use and consumption.*

##### **6. 2022-2023(B)**

**Scientific responsible** of the *Research and analytical activities to support the preparation and formalization of the contents of the new PTCP of the Province of Lodi for the purpose of adoption.* Funded by Provincia di Lodi.

*Results: development of strategic and programming visions and definition of projects for the development end environmental improvement of the province territory.*

**7. 2022-2023(B)**

**Scientific responsible** of the *Studies on the dynamics of territorial transformation and research for the construction of environmental, social and economic development strategies.* Funded by Municipality of Codogno.

*Results: definition of a long-term strategic vision of the Codogno area for environmental qualification and development resilient to the impact of climate change.*

**8. 2021 - 2023(A)**

**Scientific responsible** of the research *Studies for the identification of innovative techno-typological, organizational and equipment models for a better quality and effectiveness of the spaces and didactic environments of the "C. Orsini" Primary School.* Funded with an agreement between public trusts by the Municipality of Pecetto (Alessandria).

*Results: identification and development, also through a participatory path that is involving BA and Master students of School AUIC, of solutions innovative techno-typological, organizational and equipment models for a better quality and effectiveness of the spaces and didactic environments.*

**9. 2007-2009(B)**

**Scientific and operational coordination** of the *Feasibility study for the functional reorganisation of the building complex of the former ONP (Psychiatric hospital) of Borgo Palazzo in Bergamo and preparation of the DPP (Preliminary document for designing.* Funded by Azienda Ospedaliera Ospedali Riuniti of Bergamo and ASL of Province of Bergamo.

*Results: Guidelines and design proposal for the spatial and functional reorganization of the health and social services and of the building revamp of the pavilion hospital.*

**10. 2000(A)**

**Scientific coordination** of the research group for the activities funded by Politecnico di Milano - Project "Giovani Ricercatori" for the research *Integrated and ergonomic design of university classrooms.*

*Results: Guidelines for the implementation and innovation of university classroom.*

**Coordination activity in public funding researches**

**11. 2017-2020(A)(B)**

**Operative coordinator** of the local research unit of Politecnico di Milano for the PRIN 2015 research *Adaptive design and technological innovations for the resilient regeneration of urban districts in climate change regime.*

*Results: development of an innovative methodological approach for the design of climate change resilient solutions of public open spaces.*

**12. 2021-2020 (A)**

**Coordinator for the topic Resilience to climatic change** of the working group of Politecnico di Milano for the development of a research and of a White Paper "SSD: a model of Smart Sustainable District for projects of urban regeneration" (research promoted by the Politecnico di Milano and coordinated by the Poliedra Consortium).

*Results: definition of the reference strategies and policies, of the objectives, guidelines, solutions, skills and tools necessary for the implementation of a smart sustainable district resilient to climate change.*

**13. 2005-2008 (B)**

**Operational coordination** of the research *Studies and researches for the functional, economic and social evolution of the territories of Natural Park of Ticino River Valley for the conservation and enhancement of environmental and landscape patrimony and the improvement of the ecologic networks and of the public properties called Casone Montelame and Villa Picchetta*, Funded by Ente di Gestione del Parco Naturale della Valle del Ticino.

*Results: definition and development of strategies and design actions for the activation of a regeneration process for the reuse of the built patrimony on the Ticino Park.*

**14. 2004-2005 (A) (B)**

**Operational coordination** of the research "Reorganization of the hospital network of Milan to improve the health assistance in Milan. Predisposition of an analysis and evaluation model of the actual and future qualities of the structures of city's public hospital". Funded by FINLOMBARDA S.p.a. - Regione Lombardia.

*Results: identification of the characteristics and qualities of public hospital in the city of Milan to support the definition of a plan of interventions.*

**15. 2003-2004 (B)**

**Operational coordination** of the research "Evaluation of the built patrimony of the hospital and health trusts in Milan to qualify the health services". Funded by FINLOMBARDA S.p.a. - Regione Lombardia.

*Results: identification of the characteristics and qualities of territorial public health facilities in the city of Milan to support the definition of a plan of interventions.*

**Private funding**

**16. 2020 (A)**

**Scientific responsible** of the interdepartmental research (department DICA e and department ABC) for the *Evaluation of environmental benefits in terms of design and construction with reference to the issues of resilient and sustainable solutions relating to the use of specific additives in concrete screeds and blocks*. Funded by MACEVI GROUP.

*Results: support at the development of innovative building product to increase and verify the ability of outdoor pavement in filtering and eliminate pollutants in water.*

**17. 2018-2019 (A)**

**Scientific responsible** of the Research *Studies, analysis and operational indications for the improvement in terms of CO2 of new buildings and the related green spaces of an innovative building in Milan for the international call for Reinventing cities - C40*. Funded by Enega Group.

*Results: development of the environmental design also using NBS and for a significant reduction of the Life Cycle Impact.*

**18. 2015-2019 (B)**

**Promoter and scientific responsible** of the three-year scholarship co-financed by Fondazione SviluppoCa'granda, Società Agricola Marchesinasrl and ABC Department for PhD research (XXXI cycle) on the topic *The governance of the rural territory: tools, methods and projects for the innovation and enhancement of the landscape and cultural historical heritage* and supervisor of the thesis.

*Results: definition of an original methodology and set of indicator of state and of impact to support the use of NBS to implement the resilience of interventions.*

**19. 2015-2018(A)**

**Promoter and scientific responsible** of the three-year scholarship co-financed by GEWISS spa, VALSIR spa, PROGRESS spa and ABC Department for PhD research (XXXI cycle) on the topic *Hybrid systems of industrialized modular architecture* and supervisor of the thesis.

*Results: definition of a theoretical framework for the development of a hybrid systems of industrialized modular architecture to increase the sustainability in construction and use of the built environment.*

**20. 2018(A)**

**Scientific responsible** of the Research activity *Co-living. Preliminary research activity for the elaboration, development and implementation of a pilot project for the use of modular hybrid technologies applied to innovative residential types* Funded by SIEMENS S.p.A. through Fondazione Politecnico.

*Results: design of an innovative modular hybrid. Patent requested.*

**21. 2022(B)**

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of the industrial brownfield Officina Pennestri in Milan*. Funded by Ovidio 4 S.r.l.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of the disused industrial environment to support the regeneration process.*

**22. 2021(B)**

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of the industrial brownfield Fiat-Iveco in Brescia*. Funded by Priaura S.r.l.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of the disused industrial environment to support the regeneration process.*

**23. 2020(B)**

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of the industrial brownfield ex Plasmon in Milan*. Funded by Società Milano Progetti.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of the disused industrial area to support the regeneration process.*

#### 24. 2020 (B)

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of the former OSRAM s.p.a. office complex in Milan.* Funded by Società Savona 105.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of the disused tertiary complex to support the regeneration process.*

#### 25. 2020 (B)

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of a former Alfa Romeo production site in via Richard in Milan.* Funded by AbitareInDevelopment 4.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of the disused historical production site to support the regeneration process.*

#### 26. 2020(B)

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of a former Poste Italiane office complex in Piazzale Accursio in Milan.* Funded by AbitareInDevelopment 6.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of the disused tertiary complex to support the regeneration process.*

#### 27. 2020(B)

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of an abandoned building site in viale Certosa in Milan.* Funded by Alibranda srl.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of an abandoned building site to support the regeneration process.*

#### 28. 2020(B)

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of an abandoned complex of industrial warehouses in via Malipiero in Milan.* Funded by Immobiliare Partenopea.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of an abandoned complex of industrial warehouses to support the regeneration process.*

#### 29. 2020(B)

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of an abandoned complex of car showrooms and mechanical workshops in via Ponti in Milan.* Funded by Società Ponti.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of an abandoned complex of car showrooms and mechanical workshops to support the regeneration process.*

### **30. 2020(B)**

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of an abandoned historical complex in via Monte di Pietà in Milan.* Funded by Società Jewels Of Italy.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of an abandoned historical complex to support the regeneration process.*

### **31. 2020(B)**

**Scientific responsible** of the Research for the *Analysis and evaluation of the building, urban, environmental and social decay for the regeneration through the Lombardy Law of an abandoned former pharmaceutical and then university site in viale Abruzzi in Milan.* Funded by Dea Capital Real Estates.

*Results: identification of the criticality system (related to building, urban, environmental and social issues) of an abandoned former pharmaceutical and then university site to support the regeneration process.*

## **Scientific responsibilities of research framework agreements**

### **2022- ongoing(B)**

**Scientific responsible** (referentedellaconvenzionequadro di ricerca)for the research framework agreement between Department ABC – Politecnico di Milano and Amministrazione comunale di Desio (Monza e Brianza).

*Topics: development of studies, research and innovative methodologies for the reconstruction and understanding of the dynamics of evolution and transformation of the city, of settlement, agricultural and natural systems, and for the definition of future development strategies.*

### **2022- ongoing(B)**

**Scientific responsible** (referentedellaconvenzionequadro di ricerca)for the research framework agreement between Department ABC – Politecnico di Milano and Amministrazione comunale di Codogno (Lodi).

*Topics: research activities to support the regeneration processes of the environment and the infrastructural system and the enhancement of resources for the promotion of local development consistent with social demand and the need for innovation in settlement, work and housing models.*

### **2020- ongoing(B)**

**Scientific responsible** (referentedellaconvenzionequadro di ricerca)for the research framework agreement between Department ABC – Politecnico di Milano and Provincia di Lodi.

*Topics: interpretation of the dynamics of transformation of urban, agricultural and natural areas and the definition of strategies for triggering environmental regeneration processes on a provincial and urban territorial scale; development and testing of new infrastructure and mobility systems, with particular attention to green and blue infrastructure and the regeneration of gray infrastructure; promotion of sustainable local development, attentive to the aspects of safety, sustainability and health, with the aim of responding to social demand and the need for innovation in settlement, work and housing models.*

### **2018- 2021(A)**

**Scientific responsible** (referentedellaconvenzionequadro di ricerca) for the research framework agreement between Department ABC – Politecnico di Milano and DOVEVIVO s.p.a.

*Topic: techno-typological and constructive innovations necessary to respond to new lifestyles and the new management models of residential assets.*

## **Patents derived by the scientific activity**

### **2020(A)**

International Patent Application N. PCT/IB2020/060509 for a “**Modular building structure**”, Politecnico di Milano. **Inventor** with E. Mussinelli, G. Cugola, J. Di Pasquale, R. Mandurino.

United States:

Publication No. US-2023-0052907-A1

Publication Date: 16/02/2023

### **2019(A)**

**"Struttura edilizia modulare"**. Number of application for Italy 102019000021816, 21/11/2019, Politecnico di Milano. **Inventor** with E. Mussinelli, G. Cugola, J. Di Pasquale, R. Mandurino.

**Patent certificate for industrial invention granted on 29/10/2021**

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## **Other significant participation to research activities**

### **1. 2020-2021(B)**

European Call EIT - Urban Mobility

Research funded *Safely Connected: Sustainable Common Accessibility of Lively Downtowns for Healthy People*.

Partners: Fondazione Politecnico di Milano, Politecnico di Milano (P.I. Daniele Fanzini), City Of Saint Germain-En-Laye, Cap Sgl.

*Involved to study the integration of NBS in the transformation of public spaces for the environmental and wellbeing improvement.*

### **2. 2019-2020(A)**

Regione Lombardia Call Smart Living

Research funded *CHOMgenius. Prototypes system & shared project. Extraordinary solutions for intelligent living*.

Partners: leading partner Department ABC Politecnico di Milano (P.I. Elisabetta Ginelli).

*Involved to study an implementation process coherent with the public work regulations.*

### **3. 2011-2013(A)**

PRIN 2009 (Research Project of national interest)

*"Valutazione delle caratteristiche tecnologiche/prestazionali e ambientali delle strutture sanitarie (Evaluation of technological and environmental performances of health buildings)". P.I.: Oliviero Tronconi.*

*Involved to support the definition of the set of indicators for technological and environmental evaluation.*

### **4. 2008-2010(A)**

PRIN 2007 (Research Project of national interest) *"Sviluppo di soluzioni tecnologiche innovative destinate a supportare nuovi modelli prestazionali e gestionali di strutture sanitarie in cui convergono assistenza, formazione e ricerca scientifica (Development of innovative technological solutions for new managing and performance models for hospitals for care, research and education)". P.I.: Romano del Nord.*

*Involved to implement the case studies research and support the development of new typological models.*

### **5. 2001-2001(B)**

MURST 1998 *"Politiche, progetti e tecniche di riabilitazione e trasformazione delle periferie urbane. Riabilitazione e gestione del patrimonio. Strategie e tecniche di intervento per la riqualificazione dei grandi quartieri di edilizia residenziale pubblica (Policies, projects and techniques for rehabilitation and transformation of urban suburbs. Rehabilitation and management of the patrimony. Strategies and techniques of intervention for the requalification of wide public social housing quarters)". P.I.: Fabrizio Schiaffonati.*

*Involved to implement the case studies research*

### **6. 2010-2012(B)**

Research *"Studies and researches for the Plan of the Colors for the town of Galliate"*, research contract with Municipality of Galliate. P.I.: Fabrizio Schiaffonati.

*Responsible for the development of the proposal and identify the applicative tools.*

**7. 2007-2013(B)**

Research "Studies and researches with regard to environmental, infrastructural and building components and their reorganization for the conservation and enhancement of territories and resources of the 4 areas called Ponte di Galliate, Villa Picchetta-La Quercia, Casone-Montelame, La Badiola-LaghettiElmit-Cascina Polveriera-Villa Giulia-Cascina Nicola, and identification of the interventions for the mitigation of hydraulic vulnerability of buildings and infrastructures", research contract with Ente di gestione del Parco Naturaledella Valle del Ticino - Regione Piemonte.

P.I.: Fabrizio Schiaffonati.

*Responsible for the development of the feasibility plans and project of the 4 areas.*

**8. 2007-2008(B)**

Research "Studies for the buffer zone of the Natural Park of Ticino River Valley", research contract with Province of Novara. P.I.: Fabrizio Schiaffonati.

*Responsible for the definition of the actions and solutions for the improvement of the environmental quality of the interventions in the buffer zone.*

**9. 2006-2008(B)**

Research "Technical assistance for the Strategic Plan of Novara area-wide and for the Mobility Plan of the town of Novara", research contract with Municipality of Novara. P.I.: Fabrizio Schiaffonati.

*Responsible for the development of the strategic actions.*

**10. 2007(A)**

Research "Meta-design for the new teaching hospital Le Molinette and the new Health City for Turin", research contract with ARESS Piemonte (Regional agency for health services). P.I.: Stefano Capolongo.

*Responsible for typological solutions and to define the layout of the hospital.*

**11. 2006-2011(B)**

Research "Technical assistance for the feasibility study of a Urban Transformation Company in the town of Olbia", research contract with Municipality of Olbia.

P.I.: Fabrizio Schiaffonati.

*Responsible for the environmental feasibility and the usability of PPP models.*

**12. 2006-2008(B)**

Research "Studies for the Piano di Governo del Territorio (Town general master plan) of Morazzone and for the SEA", research contract with Municipality of Morazzone. P.I.: Fabrizio Schiaffonati.

*Responsible for the environmental component and the territorial services.*

**13. 2005-2009(B)**

Research "Technical assistance for the feasibility study of a Urban Transformation Company in the town of Modugno", research contract with Municipality of Modugno. P.I.: Fabrizio Schiaffonati.

*Responsible for the environmental feasibility and the usability of PPP models.*

**14. 2004-2005(B)**

Research "Technical assistance for the feasibility study of a Urban Transformation Company for the area 13 ex Raffinerie - Zona Industriale Orientale in the town of Naples", research contract with Municipality of Napoli.P.I.: Fabrizio Schiaffonati.

*Responsible for the environmental feasibility and the usability of PPP models.*

**15. 2002-2005(B)**

Research "Studies for the Master and management plan of the *Natural Park of Ticino River Valley*", research contract with Ente di gestione del Parco Naturale della Valle del Ticino - Regione Piemonte.P.I.: Fabrizio Schiaffonati.

*Responsible for landscape, historical and architectural components.*

**Participation to Horizon Proposal**

**16. 2021(A)**

Call: HORIZON-CL6-2021-GOVERNANCE-01

Proposal: IDEMIURGOS - Learning by Living Labs Communities co-creation guidelines as a new model of large-scale change governance based on bioeconomy local chains.

Evaluation Result - Total score: 14.00 (Threshold: 10) out of 15

Project coordinator: Politecnico di Milano

Role: Key staff member

**17. 2017(A)(B)**

Call: H2020-SC6-CULT-COOP-2017-two-stage

Proposal: OpenWalls - Fostering social inclusion and sustainability through the enhanced participatory management of cultural heritage and annexed public spaces.

Evaluation Result - Total score: 7.5. (Threshold: 8) out of 10

Project coordinator: Politecnico di Milano

Role: Key staff member

**18. 2015(A)**

Call: H2020-REFLECTIVE-SOCIETY-2015

Proposal: SMARTHER - Participatory Governance of Cultural Heritage for Cohesive Smart Growth across Borders.

Evaluation Result - Total score: 10.00 (Threshold: 10) out of 15

Project coordinator: Politecnico di Milano

Role: Key staff member

## ***Participation in research groups, centers and network and other recognitions***

### **– 2018 – 2019**

**Member of the national working group *Green city network experts*.** Working group of the General States of the green economy (Stati Generali della green economy / National Council of the Green Economy (Consiglio Nazionale della Green Economy)/ Sustainable Development Foundation (Fondazione SviluppoSostenibile).

*The activities within the working group concerned: the development of Guidelines for Green Cities to be used by the various levels of Government, by planners and by companies to plan Green Economy activities in the cities accompanied by a series of indicators; the drafting of a Report on good green practices of Italian, European and international cities to enrich the guidelines with concrete examples.*

### **– 2017**

**Member of the national working group *Architecture policy for the green economy in cities*.** Working group of the General States of the green economy (Stati Generali della green economy / National Council of the Green Economy (Consiglio Nazionale della Green Economy)/ Sustainable Development Foundation (Fondazione SviluppoSostenibile).

*The outcome of the activities was summarized in the Document "Towards the implementation of the Manifesto of the Green Economy for architecture and urban planning. Objectives, Guidelines, Priority Strategies".*

### **– 2016**

**Member of the national working group *For a Manifesto of the Green Economy for architecture and urban planning*.** Working group of the General States of the green economy (Stati Generali della green economy / National Council of the Green Economy (Consiglio Nazionale della Green Economy)/ Sustainable Development Foundation (Fondazione SviluppoSostenibile).

*The outcome of the activities was summarized in the document "The future city - Manifesto of the Green Economy for architecture and urban planning".*

### **– Since 2020 - ongoing**

**Member of the Board of directors** of the Italian Scientific Society of Architectural Technology (**SocietàItalianadellaTecnologiadell'Architettura- SITdA**).

### **– Since 2017 - ongoing**

**Delegate** of the Italian Scientific Society of Architectural Technology (SocietàItalianadellaTecnologiadell'Architettura - SITdA) for the relations with ANVUR (Italian National Agency for the Evaluation of Universities and Research Institutes), CUN (Italian National University Council) and CUIA (Italian University Conference of Architecture).

### **– 2023 - ongoing**

**Member and Representative for Politecnico di Milano** of the Cluster SITdA *Environmental design*.

### **– 2022 - ongoing**

**Member and Representative for Politecnico di Milano** of the Cluster SITdA *Environmental accessibility*.

### **– Since 2015 - 2022**

**Member and Representative for Politecnico di Milano** of the Cluster SITdA *Services for the collectivity.*

– **Since 2015 - 2021**

**Member a of the Cluster SITdA Social Housing.**

– **2021**

**Member of the Commission of Evaluation Experts (CEV – Commissione espertivalutatori)** for the periodic accreditation of the Departments, Study Programs and the University of Catania.

– **Since 2019 - ongoing**

**Disciplinary expert**(Architecture)included in the ANVUR register of *Evaluation experts.*

– **Since 2018**

**Member of research group**Envi-Reg (Environmental Regeneration)- group of research at Department ABC - Politecnico di Milano.

– **2012-2016**

**Member of the Research Unit***Governance, Design and Valorisation for the Built Environment* (Coordinator Fabrizio Schiaffonati and from 2014 Elena Mussinelli) at Department BEST - Politecnico di Milano.

– **2005-2012**

**Member of the Research Unit**LaboratorioTEMA - Territory Environment and Management (Coordinator Fabrizio Schiaffonati) at Department Di.TEC. - Politecnico di Milano.

– **2005**

**He received a special fund by the Department BEST of Politecnico di Milano for** the young researchers related to the scientific production.

– **2006**

He received **a special fund by the Department BEST** of Politecnico di Milano for the young researchers related to the scientific production

– **2021 (for A.Y. 2022-23)**

**Winner of the call for the activation of transversal courses** for the POLIMI AMBASSADOR PROGRAM IN GREEN TECHNOLOGY. Appointed of the integrated course **ARCHITECTURE AND NBS FOR THE DESIGN OF BUILDINGS AND PUBLIC SPACES**(5 CFU - professor Pierluigi Salvadeo Dep. DASTU, Andrea Tartaglia Dep. ABC).

*Polimi Ambassador in GREEN TECHNOLOGIES is a qualifying training course open to students of the master's degrees of the Politecnico di Milano to provide participants with a high degree of systemic skills, interdisciplinary vision and attention to innovation for environmental sustainability and the decarbonisation of the economy. The course (already funded by the University) will be active from the A.Y. 2022-23.*

– **2021-22**

**Winner of the Call for proposals for Pilot Projects for post-Covid teaching (Digital twin laboratories action)** with a proposal to accompany the development of the project from the definitive to the executive level through a digital twins laboratory and 3D printing experience.

*The call funded 3 CFU of innovative teaching within the Design and Construction Studio for the academic years 2021-22, 22-23, 23-24. The credits are integrated in the Design and Construction Studio.*

### **Third mission**

– **2021 - ongoing(B)**

Scientific references for the activity of "Definition of design and cultural strategies for environmental regeneration and user improvement of the Nodo Tre Ponti and neighboring public spaces" activity requested by the Citizens' Association "Comitato per la Sicurezza dei Residenti e la Vivibilità del Quartiere Forlanini".

– **2019(B)**

Participation with the association UCTAT at the Call for ideas of the Municipality of Milan "Milano 2030. Idee per la città che cambia", with the proposal of an Aquatic Center for the regeneration of the area called Porto di Mare". The proposal was presented in an Event organized at Triennale di Milano.

– **2015(A)**

Presentation of the results of the research "Ethic concrete" at the Register of Architects of Perugia to spread the culture of using recycled and secondary raw materials in the building sector, 7<sup>th</sup> of October.

## 4.2 Design activity

Also the design activity has been always intended as an opportunity of experimentation in coherences with the research interests. The attention in **(A)** project quality and innovation (products and processes) for sustainability and wellbeing has been a constant element especially in the design for services for the collectivity. Similar attention has been paid in **(B)** regeneration processes though environmental technological design both for public spaces and buildings.

### Published architectural projects

#### As architect

- 1. (A)New structure for infectious diseases** for the Hospital of Sant'Angelo Lodigiano**(built)**, new construction with 34 beds, outpatient clinic and spaces for medical treatments and diagnosis, published in:
  - "italiArchitettura 1", projects selected by Luigi Prestinenza Puglisi, UTET, 2009, ISBN 9788859804550;
  - IGLOO Habitat e Architectura, n. 122/2012, Igloo Media, Bucarest, Romania, ISSN: 1583-7688;
  - OFARCH International Magazine of Architecture and Design, n. 93/2006, Design Diffusion Edizioni S.r.l., Milano, ISSN: 1827-6547;
  - Tecnica Ospedaliera n. 11/2003, Tecniche Nuove editore, Milan, ISSN: 0392-4831;
  - Progettare per la Sanità n. 55/2000, BE-MA Editrice, Milan, ISSN: 1720-6642.
- 2. (A)New Psychiatric Structure** for the Hospital of Codogno**(built)**, extension of a 1930s building with 16 beds, spaces for medical and social services and day activities, published in:
  - OFARCH International Magazine of Architecture and Design, n. 93/2006, Design Diffusion Edizioni S.r.l., Milano, ISSN: 1827-6547;
  - IGLOO Habitat e Architectura, n. 122/2012, Igloo Media, Bucarest, Romania, ISSN: 1583-7688;
  - Progettare per la Sanità n. 73/2003, BE-MA Editrice, Milan, ISSN: 1720-6642;
  - Tecnica Ospedaliera n. 5/2006, Tecniche Nuove editore, Milan, ISSN: 0392-4831.
- 3. (A)New Headquarter for Tacchi S.P.A.(built)**, new building for administration, technical and commercial offices realized with the application of Nature Based Solutions construction techniques, published in:
  - Luigi Prestinenza Puglisi, "Tartaglia: manifesto contro gli uffici alveare", in "Edilizia e Territorio", 19-24 February 2007, Il Sole 24 ore, ISSN: 1590-6078;
  - IGLOO Habitat e Architectura, n. 122/2012, Igloo Media, Bucarest, Romania, ISSN: 1583-7688;
  - AA.VV., "Edificio, salute, ambiente. Tecnologie sostenibili per l'igiene edilizia e ambientale", Hoepli, 2007, ISBN 9788820338572.
- 4. (A)New eco-sustainable kindergarten realized with OBS technology in Cusago, Milan (built)**, new construction for 50 pupils, published in:
  - Tecniche Nuove, Imprese Edili - Anno 20 ottobre 2010 n. 8, p. 18-26, ISSN 1128-5850.



5. **(A)New Headquarter for Pirovano Company(built)**new building for administration, technical and commercial offices,published in:  
- Luigi Prestinzenza Puglisi / Anna Baldini, "PresS/Tmag, 2009", p. 174-175, ISBN 9788887017885.
6. **(B)Project for the transformation of a brownfield in Turbigo**(only project), published in:  
- Progettare Architettura Città Territorio 31, febbraio 2007, Tecniche Nuove editore, pp.62-67 ISSN: 1594-8137.
7. **(A)Project of a Cultural center in Turin**(only project), published in:  
- AA.VV. Cultura: nuovi spazi per viverla, Abitare Segesta Cataloghi, 2001, pag. 213, ISBN: 88-86116-53-5.
8. **(A)Project of a skyscraper for Milan**(only project), published in:  
- 99 Progetti per Milano, Casa oggi 264, ottobre 1997, ISBN: 8870807592.
9. **(B)Project for the enhancement of the center of Casalpusterlengo**(only project), published in:  
- L'Architetto - Archiworld Magazine, october 2013, number 09.
10. **(B)Project for a temporary cycle pedestrian walkway** for the Scalo di Porta Romana (only project), published in:  
- L'Arca International - The international magazine of architecture, design and visual communication, July-August n.131-2016.

#### **As consultant**

11. **(A)New building of the College of Milan - student housing**(in construction), new building with 56 beds and support spaces, published in:  
- Schiaffonati F.; Majocchi A.; Castaldo G., "Designingdwelling. The architecture of the Collegio di Milano", Skira, 2019

### **Prizes in design competitions and for projects**

1. **(A)** "*Piranesi Prix de Rome et d'Athènes 2022-23 - International call for projects for the Acropolis of Athens*". **Leader of the design team. Mentioned project**, 2023.
2. **(B)** "*International competition of ideas for the redevelopment of the Ponti Sul Mincio thermoelectric plant*". **Consultant for environmental sustainability and innovation of materials and construction solutions** of the design group with a project entitled "The Outlook Tower", **third classified**, 2018.
3. **(A)** Design competition "*Project for the construction of a new building of the College of Milan*". **Consultant for techno-typological and construction solutions, first classified**, 2016.
4. **(B)** "*RI.U.SO. 02 contest for the selection of designs and realizations for sustainable urban regeneration*", Consiglio Nazionale Architetti, Pianificatori, Paesaggisti e Conservatori, Italy. Member of the design team of the project "*Environmental and usability enhancement of the center of Casalpusterlengo*", **special mention and project published**, 2013.
5. **(B)** International competition "*Urban upgrading of the area called Cremona City Hub*", Cremona, Italy. **Member of the design team, fourth classified**, 2012.
6. **(A)** Competition for the "*Design of the new hospital of Novara*", Novara, Italy. **Member of the design team, third classified**, 2009.
7. **(B)** International competition "*Princes' Gate commemorative space, Design Competition*", Toronto, Canada. **Design team leader, second classified**, 2005.
8. **(B)** International competition "*Design of the new waterfront of Vado Ligure*", Vado Ligure, Italy. **Consultant** of the design team composed by Chapman Taylor Architetti S.r.l., Ishimoto Architectural & Engineering Firm Inc., Centro Studi IPIMEART33 architetti associati. **Fifth classified**, 2006.
9. **(A)** International competition "*Cultural Centre including the new Central Public Library and a theatre hall*", Turin, Italy. **Member of the design team, project published**, 2001.
10. **(B)** Competition "*Transformation in theatre of the former Civic slaughterhouse in Castano Primo*", Castano Primo, Italy. **Member of the design team, fourth classified**, 1999.
11. **(A)** Competition "*99 projects for Milan - which present which future*" organized by Di Baio editors, Milan, Italy. **Member of the design team, project published**, 1997.
12. **(A)** Cosmopack 1995, International competition for "*Packaging design for perfumes*", Bologna, Italy. **Collaborator of the design team, second classified**, 1995.
13. **(A)** Student competition "*Hospice project competition*", Fondazione Floriani and Politecnico di Milano. **First classified and project published**, 1994.



## ***Other significant public programs and projects***

### **As architect**

1. **(A) Design of a Hospice and Day Center** for AIDS patients in Codogno, **(built)**, transformation of a former convent in an hospice with 12 beds and day center for elderly, contract with Azienda Ospedaliera di Lodi, 2000-2002.
2. **(B) Design of the external public spaces and streets** around the sports center in via I ° Maggio, Rovato (BS), **(built)**, contract with the Municipality of Rovato, 2001-2002.
3. **(B) Design of the public spaces and streets** Piazza del Santuario, Via Manzoni, via Rimembranze in Garbagnate, Milan **(built)**, contract with the Municipality of Garbagnate, 2003-2005
4. **(A) Preliminary design for the revamp of four Valtellina hospitals**, (project funded) project for the revamp of the hospitals of Chiavenna, Morbegno, Sondalo and Sondrio, contract with Azienda Ospedaliera della Valtellina e della Valchiavenna, 2005-2006.
5. **(A) Preliminary and definitive design for the new DEA** of Hospital San Paolo, **(built)**, project for the new DEA in an hospital designed by Gio Ponti, , contract with Azienda Ospedaliera San Paolo, 2006-2008.

### **As consultant**

6. **(B) Technical assistance for the Piano di Governo del Territorio** (Town general master plan) of Casalpusterlengo, contract with Municipality of Casalpusterlengo, 2012-2013.
7. **(B) Study of the area Gornate Olona for the construction of a sustainable management model of superficial waters with regard to urban, landscape, environmental and design problems**, contract with ATO Varese (Local authority for the management of water), 2011.
8. **(B) Technical assistance for the Piano di Governo del Territorio** (Town general master plan) of Giussano, contract with Municipality of Giussano, 2010-2012.
9. **(B) Technical assistance for the Documento di piano (Strategic document) and Piano delle Regole (Rules plan) of the Piano di Governo del Territorio** (Town general master plan) of Segrate, contract with Municipality of Segrate, 2009-2011.

### ***Institutional role in design activity***

- **2019-ongoing**  
**President** of the "CommissionePaesaggio (Commission for the landscape)" of the Municipality of Giusano.
- **2012-2014**  
**President** of the "CommissionePaesaggio (Commission for the landscape)" of the Municipality of Giusano.
- **2021**  
**President of the Commission** for the tender for the "Construction of two university residences at the service of the Politecnico di Milano – Lot 1 (CIG Lotto 1 8784535B99)", ATE Politecnico di Milano.
- **2022**  
**Member of the commission** for the tender for the "Mixed construction development contract" procedure, UniversitàdegliStudi di Macerata (CIG: 8211230959).
- **2022**  
**President of the Commission** for the Design competition "Recovery of the former Cassa Mutua Artigiani building in Brindisi to be used as a university residence", A.di.S.U. Puglia – Agenziaregionale per il dirittoallo studio universitario.

#### **4.3 Scientific committees' membership and organization of conferences, workshop and exhibits.**

##### **International conferences**

- 1. Member of the Scientific Committee** of the International Conference "Species of spaces. Fostering psycho-physical wellbeing by design". Florence, Università degli Studi di Firenze, 10/11/2023.
- 2. Member of the Scientific Committee** of the International Conference "BASES – Health environment, Sustainability, Energy, Well-being". Rome, Sapienza University, 2nd-3rd of December 2021.
- 3. Member of the Scientific Committee** of the International design workshop "Sustainable spaces for healthcare" Naples, Università di Napoli Federico II, 27/2 - 2/3/2019.
- 4. Scientific coordination and organization** of the International Conference "EXPO 2015 The design of global events". Politecnico di Milano, 25th of May 2012.
- 5. Scientific coordination and organization** (with Stefano Capolongo) of the International Conference "Flexibility hospital planning". Politecnico di Milano, 5th of February 2010.
- 6. Member of the international advisory board** of the Cycle of Seminars "Media Environment. Nuove tecnologie e strumenti di comunicazione e valorizzazione dell'ambiente costruito (Media environment. New technologies and tools for the communication and enhancement of built environment)", Mantua, 2012.

##### **National conferences**

- 7. Scientific responsible** (with Elena Mussinelli) of the Conference "Olympics Games 2026. What benefits for Milan?", Politecnico di Milano, 15th of March 2023.
- 8. Scientific responsible** (with Elena Mussinelli) of the Seminar "Feeling the space", Politecnico di Milano, 3rd of February 2023.
- 9. Member of the Scientific Committee and of the organization** of the Cycle of Seminars "The challenges of regeneration: identity, public works and environment":
  - "Quality and identity of public space", Politecnico di Milano, 18th of May 2022;
  - "The project of public works", Politecnico di Milano, 31st of May 2022;
  - "The environmental regeneration of the city", Politecnico di Milano, 15th of June 2022;
- 10. Member of the Scientific Committee** of the Conference "Infrastructural nodes and urban regeneration", Politecnico di Milano, 23rd of May 2019.
- 11. Member of the Scientific Committee and of the organization** of the Conference "The project for the sustainable development of rural and periurban territories: district networks and models", Milan, Politecnico di Milano part of the SUSTAINABLE DEVELOPMENT FESTIVAL 2018, 31st of May 2018.

- 12. Member of the Scientific Committee and of the organization** of the Conference "Green economy: architecture, city and territory" Milan, Politecnico di Milano part of the SUSTAINABLE DEVELOPMENT FESTIVAL 2018, 7<sup>th</sup> of June 2018.
- 13. Scientific coordination and organization of the Conferences** "The use of sports for urban regeneration" in collaboration with the Fifth Municipality of Milan and UCTAT, Milan, 20<sup>th</sup> of June 2018.
- 14. Coordination** (with Matteo Gambaro) of the National Conference "Social Housing", Società Italiana della Tecnologia dell'Architettura SITdA (Italian Society of Architectural Technology), MADE expo, Milan, 19<sup>th</sup> of October 2012.
- 15. Coordination and organization** (with Matteo Gambaro and Cristina Marchegiani) of the National Conference "Technology and urban project. The experience of Urban Transformation Companies", Politecnico di Milano, 23<sup>rd</sup> of January 2007.

### **Workshops and exhibits**

- 16. Scientific responsibility and organization** (with Pierluigi Salvadeo and Marco Lucchini) of the exhibit "New architectural design landscape", Spazio Patio – Politecnico di Milano, April 17-23, 2023.
- 17. Coordination and organisation** of the exhibit "The project of EXPOCenter for 2015", SpazioMostre - Politecnico di Milano, since 29<sup>th</sup> of May to 1<sup>st</sup> of June 2012.
- 18. Coordination** of the "VII Seminario OSDOTTA (Workshop of the Italian PhD programs in Architectural Technology)", Mantua, September 15-17, 2011.
- 19. Organisation** (with Alessandra Oppio) of the Workshop "Governo del territorio e strategie di valorizzazione dei Beni culturali (Management of the territory and strategies for the enhancement of cultural heritage)" sponsored by the research Cofin MIUR 2003-2005 "Amministrare i beni pubblici: valutazione e scelte sostenibili (To manage the public properties: evaluation and sustainable choices)", Politecnico di Milano, Regional Pole of Mantua, 23<sup>rd</sup> of May 2005.
- 20. Organisation** (Coordinator Romano Cottini) of the exhibit "Progetti di architettura nella città di Busto Arsizio (Projects of architecture for the Town of Busto Arsizio)", Museo del Tessile e della Tradizione Industriale of Busto Arsizio, since 24<sup>th</sup> of October to 14<sup>th</sup> of November 1999.
- 21. Organisation** (with Luca Salmoiraghi) of the exhibit "31 Progetti urbani e di architettura per la città di Legnano (31 urban and architectural projects for the town of Legnano)", supported by the Municipality of Legnano, SpazioAMGA, since 29<sup>th</sup> of March to 15 of April 2001.



#### 4.4 Participation to conferences.

##### International conferences

1. International Conference CONFITECH 2022 "Technological imagination in the green and digital transition", Rome, Sapienza Università, with the **paper** (to be published) "Environmental Design for a Sustainable District and Civic Hub", 30<sup>th</sup> of June – 2<sup>nd</sup> of July 2022.  
Selected with a blind peer review process.
2. International Conference "Envisioning resilient cities for a post-pandemic One Health future", ResilienceLab, with the **lecture and paper** (to be published) "Environmental Analysis and Design Anticipation for Urban Resilience and Human Health", 21st-23rd of September 2021.  
Selected with a blind peer review process.
3. "4th International Symposium New Metropolitan Perspective", Reggio Calabria) – UniversitàMediterranea, with the **lecture and paper** "Project and Evaluation of Nature-Based Solutions for the Regeneration of Public Space", 26<sup>th</sup>-28<sup>th</sup> of May 2020.  
Selected with a blind peer review process.
4. International conference "Inclusive Living - Design for an autonomous and independent living" Udine – UniversitàdegliStudi di Udine, with the **lecture and paper** "Public space accessibility and climate change issues", 6<sup>th</sup> of December 2019.  
Selected with a blind peer review process.
5. International Conference "Safe and inclusive housing for an ageing society", Rome, UniversitàdegliStudi Roma Tre, with the **lecture and paper** (with G. Gambaro M.) "Protected mini-apartments for the elderly. critical analysis of the experience implemented by the Lombardy Region with the l.r. 33/91", 26<sup>th</sup> of October 2018.  
Selected with a blind peer review process.
6. International Conference third edition "Preservation and improvement of historic towns" Municipality of SremskiKarlovci, Provincial Institute for the Protection of Cultural Monuments, Petrovaradin, Republic of Serbia, with the **lecture and paper** (with Elena Mussinelli) "Cultural districts for heritage: a participatory model for the territory of Mantova", 12<sup>th</sup> – 13<sup>th</sup> of May 2016.  
Selected with a blind peer review process.
7. "III Congreso internacional sobre documentación, conservación y reutilización del patrimonio arquitectónico y paisajístico", Universitat Politècnica de València, Escuela Técnica Superior de Ingeniería de la Edificación, with Universidad Politècnica de Madrid, Escuela Técnica Superior de Arquitectura, València. with the **lecture and paper** (with Mussinelli E., Riva R., Agosti C.) "Design and strategies for rural heritage enhancement", 22nd-24th of October 2015.  
Selected with a blind peer review process.
8. International conference "Living the future third edition. Living together", Naples, Dipartimento di Progettazione Urbana e di Urbanistica, Università Federico II, with

the **paper** (with Mussinelli E., Gambaro M., Ferretti M.) "Public residential buildings and the regulatory support. Critical reading of municipal building regulations in Italy", 1st-2nd of October.

Selected with a blind peer review process.

9. International conference second edition "Preservation and improvement of historic towns" Municipality of SremskiKarlovci, Provincial Institute for the Protection of Cultural Monuments, Petrovaradin, Republic of Serbia, with the **lecture and paper** (with Elena Mussinelli) "The architectural technology design approach for the enhancement of historic cities. A strategic proposal for the Unesco town of Mantua", 14th- 15<sup>th</sup> of May 2015.

Selected with a blind peer review process.

10. International conference "Cultural landscape and heritage values. embracing change in the management of place", Center for Heritage & Society, University of Massachusetts Amherst, with the **paper** (with Elena Mussinelli, Raffaella Riva e Chiara Agosti) "Design and strategies for cultural and natural heritage enhancement in rural landscape", 13th-15th of May 2015.

Selected with a blind peer review process.

11. Winter Conference 2013 "Mobilising Regions: Territorial Strategies for Growth" Regional Studies Association, London, UK, with the **paper** (with S. Gugu, R. Bolici) "Network structure and collaborative governance in Lombardy's Cultural District Program: a conceptual framework", 22 November 2013.

Selected with a blind peer review process.

12. International Conference "The idea of creative city/The urban policy debate", Cracow, Poland, with the **paper** (with S. Gugu, E. Mussinelli) "From creative cities to creative territories: Lombardy's Cultural District Program" 17-18 October 2013.

Selected with a blind peer review process.

13. Second International Conference "Inhabiting the new/inhabiting again in times of crisis", Dipartimento di Progettazione Urbana e di Urbanistica - Università Federico II, Naples with the **paper** (with M. Gambaro, A. Mazzeri) "Social housing experiences inside Neighborhood Contract III for Novara. Technological design and building techniques", 12-13 December 2012.

Selected with a blind peer review process.

14. "2nd International Conference on Construction and Building Research" Escuela Técnica de Ingeniería de Edificación, Universitat Politècnica de València, Valencia, Spain with the **paper** (with M. Gambaro, J. Stanojev) "System of barracks and military areas as an opportunity for urban regeneration", 14-16 November 2012.

Selected with a blind peer review process.

15. "1st International Conference for Urban Sustainability and Resilience" UCL - University College London, London, UK, with the **paper** (with M. Gambaro, E. Valenti) "The design in the sustainable management of stormwater: the case study of the province of Varese (Italy)", 5-6 November 2012.

Selected with a blind peer review process.

16. "International Conference on Cultural Heritage Preservation. EU-CHIC", Split, Croatia, with the **paper** (with M. Gambaro, S. Gugu) "Valorization of cultural heritage: the role of the university", May 29 – June 1, 2012.  
Selected with a blind peer review process.
17. International Conference "Sustainable environment in the Mediterranean region: from housing to urban and land scale construction", Naples, Università degli Studi Federico II, with the **lecture and paper** "Design and technologies for integration of archaeological resources in environmental design. The Strategic Plan of Marsala", 13-14 February 2012.  
Selected with a blind peer review process.
18. International Conference "...inhabiting the future...after Copenhagen", Dipartimento di Progettazione Urbana e di Urbanistica - Università Federico II, Naples, with the **paper** (with M. Gambaro, F. Schiaffonati, E. Mussinelli) "Intervention models for social housing. Urban redevelopment program for sustainable rented housing. Contratti di Quartiere III, Municipality of Novara", 13-14 December 2010.  
Selected with a blind peer review process.
19. International conference "Growing Green" Pisa, Municipality of Pisa, with the **lecture** "Systemization and evaluation of nature-based solutions", 15<sup>th</sup> of November 2019.  
Invited.
20. International design workshop "Sustainable spaces for healthcare", Naples - Università di Napoli Federico II, with the **lecture and paper** "Design and quality in the project for health buildings. The horizons of innovation in the health projects", 27<sup>th</sup> of February to 2<sup>nd</sup> of March 2019.  
Invited.
21. UNESCO International Meeting "The role of universities in supporting UNESCO designated sites as drivers for sustainable development at local and regional levels" Athens, Greece, with the **lecture** "Tools and projects for cultural, environmental and landscape heritage enhancement: didactic and research activities in the Territorial pole of Mantova of Politecnico di Milano". 18<sup>th</sup> – 19<sup>th</sup> of January 2016.  
Invited.
22. **Chair** at "The Retrofit Challenge. Learning from Europe. Planning, design and management of retrofitting" International conference, Università degli Studi di Napoli Federico II, Naples, 28 October 2011.  
Invited
23. International Conferences "BASES – Health environment, Sustainability, Energy, Well-being". Rome, Università Sapienza, **chair and paper** (to be published) "Programming the territorial services for health and well-being. The role of Architectural Technology", 2<sup>sd</sup>-3<sup>rd</sup> of December 2021.  
Invited.

### **National conferences**

- 24.** Conference "The project for the sustainable development of rural and periurban territories: district networks and models", Milan, Politecnico di Milano" with the **lecture** "Project and enhancement of metropolitan rural areas" 31<sup>st</sup> of May 2018.  
Invited.  
Selected with a blind peer review process.
- 25.** Conference "ITALIAN CONCRETE DAYS 2016" Rome, AICAP, CTE, Roma, with the **lecture and paper** "Ethical concrete. Reduction of the environmental impact and improvement of the mechanical and thermal performance of building components in vibro-compressed concrete through the reuse of waste", 28<sup>th</sup> of October 2016.  
Selected with a blind peer review process.
- 26.** "28th International Public Health Seminar" dell'UIA-PHG (Union International des Architectes-Public Health Group) "The Culture for the Future of Healthcare Architecture", with the **paper** "The strategic plan for the wide area of Novara and the new city hospital system", (with M. Gambaro), Florence, 22-26 June 2008.  
Selected with a blind peer review process.
- 27.** "28th International Public Health Seminar" dell'UIA-PHG (Union International des Architectes-Public Health Group) "The Culture for the Future of Healthcare Architecture", with the **paper** "Functional layout for a new hospital organization", (with F. Schiaffonati, S. Capolongo), Florence, 22-26 June 2008.  
Selected with a blind peer review process.
- 28.** 13<sup>o</sup> Inu International Study Day "Beyond the future: emergencies, risks, challenges, transitions, and opportunities", Naples, INU with Università Federico II, **discussant** on the topic "Creative diversity for our common futures", 16<sup>th</sup> of December 2022.  
Invited.
- 29.** First National Workshop RECONNECT "State of the Art and Perspectives for the Application of Nature-Based Solutions in the Mitigation of Meteo-Hydrological Risk in Italy", Turin, CNR-IRPI, with the **lecture** "NBS design and evaluation: a multi-scalar approach", 15<sup>th</sup> of June 2022.  
Invited.
- 30.** Seminar "Building with the climate. Mediterranean architecture", Università degli Studi di Catania, with the **presentation** "Build with climate", 10<sup>th</sup> of May 2022.  
Invited.
- 31.** Conference "The PGT of Milan. Implementation of urban regeneration, morphological indications and equalization", Milan, association ASPESI, association Metropolis, with the **lecture** "The social and environmental effects of the regeneration of degraded and abandoned buildings", 25<sup>th</sup> of November 2021.  
Invited.
- 32.** Conference "Nature-based solutions and collaborative green and blue infrastructures" Milan, ResilienceLab, 4th Municipality, with the **lecture and paper**

(to be published) "Project innovation: methods and tools for the design of Green and Blue Infrastructure and of the Nature Based Solutions", 12<sup>th</sup> of November 2021.

Invited.

- 33.** MEET-UP | Kick-off Event "Infodemia" of the of the international Conference SITdA "Designing the Digital Age", with the **lecture** (with Angelucci F.) "Infodemia", 14<sup>th</sup> of May 2021.

Invited.

- 34.** Seminar "Tools and strategies for the Green Deal and the resilience of European territories", Dottorato di ricerca interateneo in Ingegneria Civile-Ambientale e Architettura, Università degli Studi di Trieste, Università degli Studi di Udine, with the **lecture** "Nature-Based Solutions for the environmental regeneration and the usability of urban space", 27<sup>th</sup> of April 2021.

Invited.

- 35.** Conference "Regenerative cities for climate adaptation and mitigation "Naples - Università di Napoli Federico II", with the **lecture and paper** "Regenerative public spaces. Trials underway in the South-East sector of Milan", 25<sup>th</sup> of July 2019.

Invited.

- 36.** Conferences "The use of sports for urban regeneration", Fifth Municipality of Milan and UCTAT, Milan, with the **lecture** "Design experiences for a natatory center in Milan", 20<sup>th</sup> of June 2018.

Invited.

- 37.** Seminar "Cohesion policies and European programming 2014/2020 - internationalization and cultural innovation" Consiglio Nazionale degli Architetti, Pianificatori, Paesaggisti e Conservatori, Rome, with the **lecture** "Internationalization - mobility and strategic partnerships". 11 November 2017.

Invited.

- 38.** Seminar "Nature-based solutions. integrated solutions for new development trajectories for metropolitan areas", Milan, Associazione Analisti Ambientali, Resilience LAB, Società Italiana di Ecologia del Paesaggio, with the **lecture** "Green and blue infrastructures: proposals for the enhancement of the periurban agricultural areas of South-West Milan", 24<sup>th</sup> of October 2016.

Invited.

- 39.** Seminar SITdA "Technological design and research scenarios", Milan, Politecnico di Milano, with the **lecture** "International technological research between institutional networks and informal models", 6<sup>th</sup> of September 2016.

Invited.

- 40.** VI National Conference SITdA "Application, enhancement and use of knowledge in the architectural technology sector: priorities, strategies and tools for implementing the third mission", Bologna, Università degli Studi di Bologna, with the **lecture** "Value and quality of research for the third mission: the cohesive approach", 17<sup>th</sup> -18<sup>th</sup> of June 2016.

Invited.

- 41. Invited speaker** at the round table "Ethical concrete, a research" part of the international event "Design stories", Florence 22<sup>n</sup> of October – 17<sup>th</sup> of December 2015, Università degli Studi di Firenze.  
Invited.
- 42.** "1° International Meeting Technology and Health" – Rieti 2008, Workshop "New energies for health. Use of renewable resources in hospital", with the **lecture** "Architectural integration of technologies for energy", 8 May 2008.  
Invited.
- 43. Chair and introduction** at the Seminar - "The project of public works", Politecnico di Milano, 31<sup>st</sup> of May 2022.  
Organizator.
- 44. Chair** at the Conference "The management of natural resources for the sustainable development of the territory", Associazione Analisti Ambientali and Politecnico di Milano, part of the SUSTAINABLE DEVELOPMENT FESTIVAL 2019, 30<sup>th</sup> of May 2019.  
Invited.
- 45. Chair** at the Conference "Infrastructural nodes and urban regeneration", Politecnico di Milano, 23<sup>rd</sup> of May 2019.  
Invited.
- 46. Chair** at "Colour & Light in Architecture" International conference, IUAV, Venice, 11-12 November 2010.  
Invited.

## 5. SCIENTIFIC PUBLICATIONS.

### 5.2 Overall scientific publications

#### Monographs

1. **Tartaglia A.** (2018), *Progetto e nuovo Codice dei contratti. Innovazioni nel processo edilizio*, Maggioli editore, ISBN 9788891626950.
2. Schiaffonati F., Mussinelli E., Majocchi A., **Tartaglia A.**, Riva R., Gambaro M. (2015). *Tecnologia Architettura Territorio. Studi ricerche progetti*. SANTARCANGELO DI ROMAGNA:Maggioli, ISBN: 9788891612298
3. Schiaffonati F., Majocchi A., Marescotti L., Mussinelli E., Gambaro M., Mussone L., Riva R., Boncinelli G., Pellicchia D., **Tartaglia A.** (2008), "*Il Piano Strategico di Novara*", Maggioli, Milano, ISBN 9788838742812.
4. **Tartaglia A.** (2005), "*Project financing e Sanità: processi, attori e strumenti nel contesto europeo*", editore Libreria CLUP, Milano, ISBN 8870907678.

#### Edited books

5. Debiaggi P., **Tartaglia A.** (eds) (2020). *Lo sport per la rigenerazione urbana / The use of sports for urbanregeneration*. MAGGIOLI EDITORE, ISBN: 9788891646477
6. Mussinelli E., **Tartaglia A.** (eds) (2020). *Nodi infrastrutturali e rigenerazione urbana. Stazioni, spazio pubblico, qualità ambientale*. MAGGIOLI EDITORE, ISBN: 9788891638908
7. Fanzini D., **Tartaglia A.**, Riva R. (eds) (2019). *Project challenges: sustainable development and urban resilience*.Maggioli Editore, ISBN: 9788891632470
8. **Tartaglia A.**, Cerati D., (eds) (2018), *Progetto e valorizzazione dei territori rurali metropolitani. Proposte per il Sud-Abbatense / Design and enhancement of the metropolitan rural territories. Proposals for the South-Abbatense*, Maggioli Editore.
9. Bellini O., Bellintani S., Bolici R., Brunetti G., Ciaramella A., Daglio L., Gatto M., Dessì V., Fianchini M., Gambaro M., Lavagna M., Morena M., Nistri M., Oberti I., Paoletti I., Riva R., **Tartaglia A.** (eds) (2014), "*La cultura tecnologica nella scuola milanese*", Maggioli Editore, Santarcangelo di Romagna, ISBN 9788891604224.
10. Bolici R., Gambaro M., **Tartaglia A.** (eds) (2012), "*Design and technologies for cultural heritage*", Maggioli Editore, Santarcangelo di Romagna, ISBN8838761434.
11. Bolici R., Gambaro M., **Tartaglia A.** (eds) (2012), "*La ricerca tra innovazione, creatività e progetto. Research among innovation, creativity and design*", Firenze University Press, Firenze, ISBN 9788866551546.
12. Mussinelli E., **Tartaglia A.**, Gambaro M. (eds) (2008), "*Tecnologia e progetto urbano. L'esperienza delle STU*", Maggioli, Milano, ISBN 9788838741982.

13. Bolici R., Gambaro M., **Tartaglia A.** (eds) (2012), "*Costruire Sostenibile*". Editore Libreria CLUP, Milano, ISBN: 9788863010077.
14. Oppio A., **Tartaglia A.** (eds) (2006), "*Governo del territorio e strategie di valorizzazione dei beni culturali*", editore Libreria CLUP, Milano, ISBN 8870908577.
15. Lanzani S., **Tartaglia A.** (eds) (2005), "*Innovazione nel progetto ospedaliero. Politiche strumenti, tecnologie*", editore Libreria CLUP, Milano, ISBN 8870908232.

#### **Articles in A class ANVUR Journals**

1. **Tartaglia A.**, Castaldo G., Baratta A.F.L. (2022). *The role of Architectural Technology for the ecological transition envisaged by the PNRR Il ruolo della Tecnologia dell'Architettura per la transizione ecologica prevista dal PNRR*. *TECHNE*, vol. 23, p. 54-61, ISSN: 2239-0243
2. Mussinelli E., **Tartaglia A.**, Castaldo G., Fanzini, D. (2021). The environmental technological project for the implementation of the 2030 agenda. *SUSTAINABLE MEDITERRANEAN CONSTRUCTION*, vol. 12/2020, p. 51-55, ISSN: 2420-8213
3. Mussinelli E., **Tartaglia A.**, Castaldo G. (2020). *The time of the city between nature and artifice / Il tempo della città tra natura e artificio*. *TECHNE*, vol. 20, p. 131-139, ISSN: 2239-0243
4. **Tartaglia A.**(2019). *Design and quality in the project for health buildings. The horizons of innovation*. *SUSTAINABLE MEDITERRANEAN CONSTRUCTION*, vol. 2019, issue 2, Special Issue, p. 29-38, ISSN: 2420-8213.
5. **Tartaglia A.**, Castaldo G. (2019). *The role of the detailed design in the public works / Il ruolo del progetto esecutivo nelle opere pubbliche*. *TECHNE*, vol. 18/2019, p. 147-153, ISSN: 2239-0243, doi: 10.13128/techne-7521.
6. Mussinelli E., **Tartaglia A.**, Bisogni L., Malcevschi S. (2018), *The role of Nature-Based Solutions in architectural and urban design*. *TECHNE Journal of Technology for Architecture and Environment*, Issue 15, 2018, Firenze University press, pp. 116-123, ISSN 2239-0243
7. **Tartaglia A.**, Cerati D., Di Chiara G. (2017), *Environmental project and enhancement of periurban territories*. *AGATHÓN - International Journal of Architecture Art and Design*, Palermo University Press, 2/2017, pp. 181-190, ISSN 2464-9309.
8. Mussinelli E., **Tartaglia A.**, Di Pasquale J. (2017), *Typological and technological innovation for the application of hybrid systems to housing construction: between technological culture and application testing*. In *TECHNE Journal of Technology for Architecture and Environment*, Issue 13, 2017, Firenze University press, pp. 287-294, ISSN 2239-0243
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**Referee** for the double-blind peer review process of the scientific papers for the **A-class Anvur Scientific Journal TECHNE - Journal of Technology for Architecture and Environment**.

**Referee** for the double-blind peer review process of the scientific papers for the **A-class Anvur Scientific Journal TECHNE - Journal of Technology for Architecture and Environment**.

**Referee** for the double-blind peer review process of the scientific papers for **UPLand – Journal of Urban planning, Landscape & environmental Design**.

**Member of the editorial board** of the design magazine "Progettare. Architettura città territorio", TecnicheNuove, 01-04-2008 / 31-12-2009.

**Member of the editorial board** of the Series "Studi e Progetti / Studies and projects", director Fabrizio Schiaffonati, Maggioli editore, 01-12-2009 / 31-12-2014

**Member of the editorial board** of the Series "Tecnologia e progetto/Technology and design", director Mario Losasso, CLEAN, 2020.

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Andrea Tartaglia