



Barbara E. A. Piga

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Order of Architects, Planners,
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from 2006 – ID 17007

An Architect by education, Barbara E.A. Piga is [Assistant Professor](#) at the *Politecnico di Milano (POLIMI)*, where she is also [coordinator](#) of the [Laboratorio di Simulazione Urbana Fausto Curti - labsimurb \(POLIMI - Department of Architecture and Urban Studies\)](#) since its foundation in 2007. At *labsimurb* she coordinates and leads projects related to experiential simulation and multi-sensory design. She leads the participation in research calls and the management of funds. She is responsible for national and international networking, and numerous national and international seminars and conferences. She is part of the board of the interdepartmental research laboratory [i.Drive - Interaction Between Driver, Road Infrastructure, Vehicle, And Environment](#) since 2019, where she is responsible of mobility experiential simulation and the urban/landscape environment design guidelines (assessment and design perspective). She is the POLIMI Coordinator of two European Projects H2020 EIT Digital (Digital Cities) [AR4CUP: Augmented Reality for Collaborative Urban Planning \(2019 and 2020\)](#), where she is responsible for a novel co-design methodology through Augmented and Virtual Reality. Within these projects she developed an innovative methodology for pre-assessing the experience of people in space through simulation: *Experiential Environmental Impact Assessment - exp-EIA*® (Copyright BOIP N. 123453 - 06.05.2020). She was part of the H2020 Lighthouse European Project [Sharing Cities](#) (2016-17) for the co-design methodology and activities for innovative urban services. At the national level she was part of the [Città Studi Cambia](#) (2017) and [Città Studi Campus Sostenibile](#) (2011-2016) and the [Garibaldi-Repubblica](#) (2007-2010) research projects. She is instructor in POLIMI courses and design studios on the topic of simulation and representation for urban design ([Architectural and Urban Simulation](#)) since 2011. She was invited as Foreign Researcher at [CRENAU - UMR 1563 AAU](#), Nantes - France (2014). She Associated Member of Associated Member of [Atmospheric Spaces](#) (since 2017). She is member of the Editorial Committee of the [International Journal of Sensory Environment, Architecture and Urban Space](#) (since 2013). She is member of the Steering Committee of the [European Architectural Envisioning Association \(EAEA\)](#) (since 2009), an international association focused on endoscopy and environmental simulation. She is part of the [International Ambiances Network](#) (since 2011) and its Steering Committee (since 2015), an international research association working on urban ambiances with an interdisciplinary perspective. She is part of the Scientific Committee of the American and European [Design Communication Association \(DCA\)](#) (since 2014), an international society of academics and professionals of the graphic\design fields. She was member of the Steering Committee of the five years' inter-university POLIMI-UNIMI project [Città Studi Campus Sostenibile](#) since its launch (2011 – 2016). Her research interest is focused on the role of representation as an aid for anticipating the human\environment relationship (namely, environmental urban design and simulation) for urban design; she investigates the link between simulation and multi-sensory urban design in order to anticipate people reactions to future environments, and thus for supporting the urban design development from conception to evaluation and presentation. She investigates and proposes innovative forms of simulation, such as multi-sensory immersive environments, related to Mixed Reality, Augmented Reality (also Augmented Maquette) and Virtual Reality (Augmented Virtuality). She fosters a multi-scalar and interdisciplinary approach. She holds a Ph.D. in Urban Planning from POLIMI (2010).

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EDUCATION

2010 (Feb.) | POLIMI | DASTU | Milano, IT

Ph.D. with honors. Dipartimento di Architettura e Pianificazione (DiAP) – Pianificazione Urbana, Territoriale e Ambientale (PUTeA) - XXI ciclo. Thesis title: *Visual Simulation for Urban Planning. The perceptual point of view in the comprehension of urban transformation projects.* Supervisor: V.Erba and F.Curti.

2004 (Dec) | POLIMI | Faculty of Architecture | Milano, IT

MSc in Architecture (98/100). Thesis title: 'Il piano dei Servizi del Comune di Ornago'. Supervisor: V.Erba . Co-supervisor: A.Arcidiacono, L.Pogliani

AWARDS AND GRANTS

(2020) Winner (POLIMI COORDINATOR) of H2020 European Project EIT Digital (Digital Cities) "Augmented Reality for Collaborative Urban Planning" (AR4CUP-2020).

(2020) Winner (PROJECT PARTNER) of the international Reinventing Cities Project – via Serio area, Milan: VITAE project (leading team Covivio, Carlo Ratti Associati, Habitech & partners).

(2019) Winner (POLIMI COORDINATOR) of H2020 European Project EIT Digital (Digital Cities) "Augmented Reality for Collaborative Urban Planning" (AR4CUP-2019).

(2017-2021) Winner of the ICAR-17 *Assistant Professor* position at POLIMI

(2016-2017) Winner of *H2020 research collaboration* "Co-Design and Envisioning" at DASTU – POLIMI, within the *Sharing Cities* European Project (Grant Agreement n.691885).

(2011 – 2017) Winner of the *Adjunct Professor* (MSc *Architectural and Urban Simulation* teaching position) at POLIMI (2017 - ongoing as Assistant Professor).

(2011 - 2017) Winner of 6 one-year *Research Fellowship* positions at DASTU (ex – DiAP) - POLIMI.

(2010 - 2011) Winner of 1 one-year *Research Fellowship* position at DPA - POLIMI.

(2008) Winner of 1 one-year *Research Fellowship* by Regione Lombardia 'Attivazione di un ambito Stage/Project Work in discipline tecnico-scientifiche per neolaureati, dottori di ricerca e dottorandi di ricerca' for the research project: *La simulazione dinamica come strumento di valutazione dei progetti di trasformazione urbana [Dynamic simulation as an evaluation tool of urban transformation design project]*

(2007) Winner of *Tutorship Fellowship* position of 'Bando di Tutorato MIUR' (Ph.D.)

(2006) Winner of the *Ph.D. candidate* position at Politecnico di Milano (DASTU – ex DiAP).

(2005) Selected within the *best MSc thesis* of the academic year 2003-04.

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2020 | Experiential Environmental Impact Assessment - exp-EIA®

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Copyright (B. Piga, M. Boffi, N. Rainisio) of an innovative methodology for pre-assessing the experience of people in space through simulation and architectural\psychological constructs.

VISITING POSITIONS

(26.11.2014 – 17.12.2014) **INVITED RESEARCHER & LECTURER** at Ecole Centrale Nantes - CERMA laboratory UMR 1563 - Nantes, FR

(now: CREANU - Centre de Recherche Nantais Architectures Urbanités Ambiances, Architectures, Urbanités - Unité mixte de recherche 1563 CNRS-MCC-ECN)

www.crenau.archi.fr

Invited Researcher and lecturer (ID foreign researcher in France: 65962). Research topic: Perceptual simulations to address urban transformations: an experiential approach for the definition of design guidelines. Investigation of methods and tools for enhancing a user-centered approach in urban design and planning practice.

LEADERSHIP ACTIVITIES

COORDINATOR

2007 – ongoing | POLIMI - DASTU | COORDINATOR of the Research Laboratory LABSIMURB | Milano, IT
www.labsimurb.polimi.it

Coordinator and Projects Leader of the research *Laboratorio di Simulazione Urbana Fausto Curti* at POLIMI - DASTU, founded by Fausto Curti (POLIMI) and Peter Bosselmann (UC Berkeley) in 2007. *Management of research projects and funds. Organization and Scientific coordinator* of the national and international seminars and conferences held by the *Laboratorio di Simulazione Urbana Fausto Curti* at DASTU (ex DiAP), POLIMI. Labsimurb research focuses on experiential and environmental simulation for urban sensory design and project evaluation. Specific attention is devoted to interactive and dynamic simulation tools for supporting the urban (co-)design process and the decision-making one.

2019- ongoing | COORDINATOR OF EUROPEAN RESEARCH PROJECTS
see RESEARCH EXPERIENCE

STEERING COMMITTEE

2019 - ongoing | POLIMI - DASTU | Interdepartmental Research Laboratory i.DRIVE | STEERING COMMITTEE | Milano, IT
www.idrive.polimi.it

Board member (for DASTU) of the POLIMI interdepartmental research laboratory i.DRIVE “Interaction Between Driver, Road Infrastructure, Vehicle, and Environment”(MECC – DEIB – ABC – DASTU). The lab uses experiential simulation for assessing driving experiences. B. Piga is responsible of simulation in relation to the environmental experience and urban\landscape design.

2017 – ongoing | Atmospheric Spaces – Aura, Stimmung, Ambiance | ASSOCIATE MEMBER | Rome, IT
<https://atmosphericspaces.wordpress.com>
Associate Member of the international network dealing with the ambiance topic from a philosophical and transdisciplinary perspective.

2015 - ongoing | Ambiances International Network | STEERING COMMITTEE | International
<https://ambiances.net>

Steering Committee of the International Ambiance Network, a research association focused on sensory environment in an inter-disciplinary perspective (human and social sciences, architecture and urban planning, engineering, and applied physics).

2009 - ongoing | European Architectural Envisioning Association – EAEA | STEERING COMMITTEE | EU
<http://eaeonet.wix.com/eaea> - www.facebook.com/EAEA.group

Steering Committee of EAEA, an international association founded in 1993 at the European level. The association is a platform for communication and exchange of experiences, experimentation, research, and collaboration in the field of sensory and environmental simulation.

2011 – 2016 | POLIMI – DASTU - LABSIMURB | Inter-University Research Project ‘Città Studi Campus Sostenibile’ (CSCS) | STEERING COMMITTEE | Milano, IT
www.campus-sostenibile.POLIMI.it

Steering Committee of the inter-university (POLIMI – UNIMI) project ‘Città Studi Campus Sostenibile’ dealing with applied and theoretical research towards more sustainable approaches (social, energy & environment, mobility, food & health).

RESEARCH EXPERIENCE

EUROPEAN FUNDED PROJECT

2020 – ongoing | POLIMI - DASTU - LABSIMURB | H2020 POLIMI COORDINATOR | Milano, IT
H2020 Eit Digital (Digital Cities) 2020 European Project “AR4CUP: Augmented Reality for

Collaborative Urban Planning'

www.labsimurb.polimi.it/research/ar4cup-2020-h2020

POLIMI Coordinator. Management of the project teams and funds. Proposal entirely written by B.Piga. Scientific coordination of the research concept and development. The project is based on the use of experiential simulation through Augmented Reality (AR) and Virtual Reality (VR) for assessing the current urban citizens' experience at the neighborhood scale. The project designs and further develops the AR4CUP app (commercially CitySense) for an innovative co-design solution for assessing the current perception of the neighborhood by citizens.

TRL 9 (AR4CUP-2020 app; commercially CitySense)
Budget managed: 214.991 €; Total Budget: 563.406 €.

2020 - ongoing | POLIMI - DASTU - LABSIMURB | DASTU COORDINATOR | Milano, IT International Reinventing Cities Project

DASTU Coordinator as Project Partner of the international *Reinventing Cities Project* – via Serio area, Milan: VITAE project (main team Covivio, Carlo Ratti Associati, Habitech & partners). The DASTU focus is based on co-design using innovative solutions (including Augmented and Virtual Reality).

2019 | POLIMI - DASTU - LABSIMURB | H2020 POLIMI COORDINATOR | Milano, IT H2020 Eit Digital (Digital Cities) 2019 European Project "AR4CUP: Augmented Reality for Collaborative Urban Planning"

www.labsimurb.polimi.it/research/ar4cup

POLIMI Coordinator. Management of the project teams and funds. Main author of the project proposal. Scientific coordination of the research concept and development. The project is based on the use of experiential simulation through Augmented Reality (AR) and Virtual Reality (VR). The project designs and develops the AR4CUP app (commercially CitySense) for an innovative co-design solution for anticipating and pre-assessing the perception of urban design projects through experiential simulation.

TRL 9 (AR4CUP-2019 app; commercially CitySense)
Budget managed: 153.750 €; Total Budget: 529.271 €.

Copyright methodology by B.Piga, M. Boffi, N. Rainisio: "Experiential Environmental Impact Assessment (exp-EIA)" - BOIP N. 123453 del 06-05-2020]

2016 - 2017 | POLIMI - DASTU - LABSIMURB | H2020 PARTNER | Milano, IT H2020 LightHouse EUROPEAN Project "Sharing Cities" (Grant Agreement n.691885)

www.sharingcities.eu

Collaboration to the co-design activities of the Sharing Cities EU project (WP2 – DASTU). In particular: user research activities, co-design methodology development, co-design toolkit, workshop with citizens and stakeholders, representation, and communication of the co-design outcomes.

2014 - 2017 | CNRS International Research Group (GDRI) 'Translating Ambiances' | INTERNATIONAL RESEARCH GROUP MEMBER

www.ambiances.net/seminars/gdri-translating-ambiances.html

Member of the International Research Group funded project. This project fits into the larger framework of the International Ambiances Network (www.ambiances.net). Launched in 2008 this network coordinates and encourages, at an international level, work and events focusing on architectural and urban ambiances with an interdisciplinary approach. The GDRI was funded by the French Ministry of Culture (2014). The final research seminar in June 2017 was organized and scientifically coordinated by labsimurb (B. Piga & E. Morello).

EUROPEAN PROJECT: first stage of evaluation approved

2015 | First phase approved, stopped in the second phase | Interreg-MED project proposal

Interreg-MED - Priority Axis 2 - Fostering low carbon strategies and energy efficiency in specific MED territories: cities, islands, and remote areas (Specific objective 2.3: To increase capacity to use existing low carbon transport systems and multimodal connections among them). Proposal: "UrbanNODES: Encouraging intermodal connections through a new urban grammar legibility" (Proposal ID: 931) Collaboration to the development of the research concept and to the writing of the project proposal with Cynthia Echave (Urban Ecology Agency of Barcelona - coordinator). Research proposal on intermodal urban nodes for improving

legibility and promote a novel urban grammar based on superblocks and people-based approach (mainly visual perception).

NATIONAL FUNDED RESEARCH

2010 – 2011 | POLIMI – DPA - LABSIMURB | 5x1000 junior POLIMI Research Fellow | Milano, IT
Research fellow of the funded project (5x1000 junior). Research title “Eye-tracking for urban design and planning purposes: the Gorgonzola case study”. The research investigates the use of eye-tracking technologies for analyzing the user perception from roads.

2007-2010 | POLIMI – DPA - LABSIMURB | SCIENTIFIC COORDINATOR | Milano, IT
Scientific Coordinator of the research project funded by DIAP (now: DASTU): Simulation for decision-making: the Garibaldi-Repubblica case study. The research investigates the use of different typologies of simulation for the evaluation of the cumulative impact of urban transformation projects.

2011 – 2013 | POLIMI - DASTU - LABSIMURB | RESEARCH MEMBER | Milano, IT
smartplanPOLIMI.wordpress.com

Research team member (research ID: 5x1000 Junior). Research title: *Open innovation in urban discovery and planning for the Città Studi Campus Sostenibile project: from master plan as alignment environment to urban digital footprints*. Research focuses on open innovation in urban planning, in particular on the topic of interactive simulation for urban design and public participation.

2010 – 2011 | POLIMI – DPA - LABSIMURB | RESERACH FELLOW | Milano, IT
Research Fellow (research ID: 5x1000 Junior). Research title: *New tools to analyze and manage the linear cultural landscape. Preservation and planning policies*. Research focuses on new tools to analyze and manage the linear cultural landscape, in particular on the use of eye-tracking for urban design and planning purposes.

SCIENTIFIC & ORGANIZING COMMITTEE

International Competitions & Juries

(2020) *Jury, Scientific Committee and Organization*. International Design Competition Future Cities: *Future City: Smart Design for Post-Pandemic World*. Participants are asked to look at the existing urban built environment and imagine how it should cope with future pandemic.
<http://iscmfuturecity.co/>

(2017) *Coordinator, Scientific Committee and Organization of the International Competition Envisioning the City of the Future: Making the Invisible Visible* within the *H2020 Sharing Cities*. Participants were asked to imagine and design possible scenarios of the city of the future
www.eko.polimi.it/env_2017

(2013, November) *International Jury of the design competition* within the *Annual Festival of Innovative Technologies in Architecture in Construction - GREEN PROJECT 2013* (Moscow)
greenproekt.com/program/piga

(2012 - 2013) *Coordinator, Scientific Committee and Organization* of the design contest for the POLIMI students' competition '*Redevelopment of the open spaces of the Campus Bonardi*', for the inter-university project *Città Studi Campus Sostenibile*
call: www.campus-sostenibile.polimi.it/web/guest/bando
multimedia design guidelines: www.labsimurb.polimi.it/tour/guidelines/trifoglio/LineeGuida.html
virtual exhibition: www.campus-sostenibile.polimi.it/web/guest/mostra

International Congress, Conferences, Seminars

(2018) *Organizing Committee* of the XV Congress of Unione Italiana per il Disegno - UID. 13-15.09.2018 Milan (Italy) Politecnico di Milano | <http://www.unioneitalianadisegno.it/convegni/2018/en/comitati-eng/>

(2018) *Organizing Board* of the International Conference on Geometry and Graphics Conference (ICGG). 3-7.8.2018 Milan (Italy) Politecnico di Milano | http://www.icgg2018.polimi.it/?page_id=133

(2015) *Scientific Committee* of the international conference 3rd Ambiances International Congress. 21-24.09.2016 Volos (Greece) Polytechnic School of the University of Thessaly | <http://ambiances2016.arch.uth.gr/en/3rd-congress/scientific-committee>

(2014 - ongoing) *Board and Scientific Committee* of the American and European *Design Communication Association (DCA)* | <https://designcommunicationassociation.wordpress.com>

(2011 - ongoing) *Board and Scientific Committee* of the biannual conferences of the European Architectural Envisioning Association (EAEA) | <http://eaeonet.wix.com/eaea> - www.facebook.com/EAEA.group

National and International Seminars, Conference and Workshops by *labsimurb*

(2007 - ongoing) *Board, Scientific Committee and Organization* of several labsimurb conferences, seminars, and workshops.:

- 27.02.2017 – 31.03.2017 | POLIMI | www.ambiances.net/workshops/Mob3
International Research Seminar: *Sharing Cities, Ambient Commons and Urban Futures* \ International Workshop: *Mobiance 3 - Exploring and Envisioning Future Urban Scenarios Related to the Sharing Approach*. Main universities involved: POLIMI, ECN, ENSA, Audencia
- 04-06.07.2016 | ERASMUS+ AA 2015/2016 | CREANU Nantes – FR | www.labsimurb.polimi.it/conference/ERASMUS_Nantes_PROGRAM.pdf
Organization and coordination of the International Seminar for Erasmus Teaching Mobility POLIMI – DASTU -labsimurb and ECN - UMR 1563 AAU / CREANU.
- 23-24.11.2015 | POLIMI | www.dastu.polimi.it/visualperception
International Research Seminar: *Quality and Quantity of Visual Perception. Recent ICT Improvements for Tridimensional Visibility Analysis* | Internal Research Seminar: *Brainstorming on visibility studies* | International Workshop: *The CREANU visibility tool in practice*. Main universities involved: POLIMI, CREANU (ECN\ENSA), EPFL, SUPSI
- 09-11.03.2015 | POLIMI | www.dastu.polimi.it/Walkscape
International Research Seminars: *The role of ICT tools for urban design* and *Walk-scape: Ongoing research on Augmented Reality solutions for the built environment* | International Workshop: *Walk-shop: Discovering and representing the sensory dimension of urban space*. Main universities involved: POLIMI, ECN, University of Sheffield.
- 22-23.05.2014 | POLIMI | www.dastu.polimi.it/Aedas
International Research Seminar and Workshop *Computational Design and Research: current research at Aedas R&D*. With C. Derix & A. Izaki
- 25-28.09.2013 | POLIMI | www.eaea11-2013.POLIMI.it
Conference and Publication - *International Conference EAEA11 2013. Envisioning Architecture: Design, Evaluation, Communication*. In collaboration with E. Morello I had the leadership on all the scientific and organizational issues (definition of the conference themes and topics, double blind review, conference presentation and session chairing, communication, and all the organizational tasks). The conference had three main tracks: 1. Visualizing Sustainability: making the invisible visible; 2. Experiential Simulation: the sensorial perception of the built environment; 3. Conceptual Representation: exploring the layout of the built environment. The general objective was to investigate the role of visualization as a tool for conception, verification, evaluation, and communication of architecture and urban space. The conference had a worldwide attendance, with more than 40 countries represented. The acceptance rate was 1/3 (177 incoming abstracts, 56 papers and 18 posters presented and published). The members of the scientific committee were 21, and there was an official presentation of the international links to EAEA and DCA USA. We had three relevant keynote speakers: Peter Bosselmann (Berkeley University of California), Eckart Lange (University of Sheffield), and Jack Breen (TU Delft). During the conference, we were invited to be the editors of a special issue on experiential simulation of the International Journal of sensory environment, architecture and Urban Space.
- 02.12.2013 | POLIMI | www.labsimurb.polimi.it/PUBLICATIONS/OrganizedConfereces
International Seminar *Research on Understanding Human Behavior in Public Space*. Main universities involved: POLIMI, Osaka Institute of Technology, UniMiB
- 17-18.06.2010 | POLIMI | www.dastu.polimi.it/EnvSimulation.pdf
International Seminar *Exploring Urban Change through Visual and Environmental Simulation*. Main institutions involved:

POLIMI, University of Sheffield, Brandenburg University of Technology, TUDelft, University of Glasgow, Agencia d'Ecologia Urbana de Barcelona, Glasgow City Council

- 27.06.2007 | POLIMI | www.labsimurb.polimi.it/PUBLICATIONS/OrganizedConfereces
International Seminar *Laboratorio di Simulazione Urbana Work in Progress*. Main universities involved: POLIMI, University of California Berkeley

SCIENTIFIC REVIEW COMMITTEE

(2018 – *ongoing*) Journal / Environmental Modelling and Software -
(2018 – *ongoing*) Journal / Architecture, City and Environment (ACE)
(2018 - *ongoing*) Conf. / Education & Research in Computer Aided Architectural Design in Europe - eCAADe
(2014 - *ongoing*) Conf. / Design Communication Association (DCA)
(2014 - *ongoing*) Journal / Journal of Creative Sustainable Architecture & Built Environment - CSABE
(2013 - *ongoing*) Journal / International Journal of Sensory Environment, Architecture and Urban Space
(2011 - *ongoing*) Conf. / European Architectural Envisioning Association - EAEA
(2016 - *ongoing*) Congress / Ambiances International Congress

(2020) Symposium / Greening Cities-Shaping Cities | within: H2020 Clever Cities
<https://www.greeningcities-shapingcities.polimi.it>

(2018) Symposium / Sharing Cities Shaping Cities | within: H2020 Sharing Cities
www.sharingcities-shapingcities.polimi.it

(2014 and 2018) Conf. / International Conference on Geometry and Graphics - ICGG

INSTITUTIONAL ROLES

(2018 – *ongoing*) **POLIMI COORDINATOR** of several Research Assistants and collaborators linked to the H2020 projects (i.e., B. Piga as POLIMI coordinator of the EU projects)

(2018 – *ongoing*) ERASMUS+ Teaching Staff Mobility: **ERASMUS COORDINATOR for the Erasmus exchange program POLIMI - University of Lodz.**

(2018 – *ongoing*) **POLIMI JURY for Urban Planning incoming international students** (*Progetto Internazionalizzazione per la valutazione delle richieste di ammissione dei candidati stranieri alla Laurea Magistrale*).

(2018 – *ongoing*) **POLIMI JURY** of several evaluations of Research Assistants and collaborators

(2016 – *ongoing*) **International Workshop Tutorship for the funded project MOBANCE** (ECN UMR 1563 AAU CREANU – FR & POLIMI DASTU labsimurb – IT). In 2016 of the MOBANCE at POLIMI: organization and coordination of the International Seminar for Erasmus Teaching Mobility.
www.labsimurb.polimi.it/conference/ERASMUS_Nantes_PROGRAM.pdf

TEACHING EXPERIENCE

POLIMI | Scuola di Architettura, Urbanistica, Ingegneria delle Costruzioni (AUIC)

Ongoing

(2017 - ongoing) *Assistant professor*. POLIMI B.Sc. & M.Sc. courses and studios of *Architecture and Urban Planning* on the topic of architectural and urban simulation. Ex cathedra lectures and supervision of students with design reviews.

https://bit.ly/Piga_POLIMI_dida

(2014 - ongoing) *Mentoring* of international (labsimurb visiting) and national *Post-Docs* and *international Ph.D. Thesis* (doctoral international internship at labsimurb).

(2010 - ongoing) *Supervisor and Co-Supervisor* of several B.Sc. and M.Sc. theses at POLIMI (Architecture and Urban Planning), also in collaboration with *Università degli Studi di Milano - UNIMI* (Scienze umanistiche per l'ambiente: Corso valorizzazione culturale del territorio e del paesaggio).

https://bit.ly/Piga_POLIMI_Thesis_Supervisor

(2007 - ongoing) *Mentoring of national and international internship tutorship* at labsimurb (POLIMI).

Past

(2011 - 2017) *Adjunct professor*. POLIMI M.Sc. courses of *Architecture and Urban Planning* on the topic of architectural and urban simulation. Ex cathedra lectures and supervision of students with design reviews.

(2006 - 2011) *Tutorship* of M.Sc. program in Urban Planning and Policy Design in various courses and studios.

INVITED LECTURES, INTERNATIONAL PRESENTATIONS & CHAIRING

INVITED LECTURES

8-9.3.2018 | Universitat Politècnica de Catalunya | Barcelona – ES | “Co-designing and Envisioning the City of the Future”

28.03.2017 | Milan Design Week 2017 / SBODIO32 WS | Milano – IT | www.sbodio32.com/composite-bodies
“Designing the Multi-Sensory Experience”

19-20.09.2016 | Volos – GR | 3° Seminar of the GDRI Funded Program *Translating Ambiances* | www.ambiances.net/gdri-volos2016.html

“Translating ambiances in design: representation and communication, environmental and experiential simulation”

04-06.07.2016 | CREANU | Nantes - FR | International Seminar AAU-POLIMI on *Ambiances & Higher Education*

“Level of Details of Augmented Physical Models for Urban Design and Planning”

04.12.2015 | Università di Camerino | Ascoli Piceno – IT | FAR 2012. International Seminar *Quality of Landscape and Quality of Life in the sustainable Adriatic City* (Qland-Qlife)

<http://d7.unicam.it/sad/node/5012>

“Environmental and Experiential Simulation to Design and Evaluate Urban Transformation”

23-24.11.2015 | POLIMI | Milano – IT | International Research Seminar *Quality and quantity of visual perception: recent ICT improvements for tridimensional visibility analysis* www.dastu.polimi.it/Visibility

“Qualitative Visibility Analysis with Panoramic Photos and Videos”

07-09.10.2015 | Ecole Nationale Supérieure d'Architecture de Nantes (ENSA) | Nantes – FR | Mobiance 2 WS : Capteurs-senseurs en interaction dans la ville | www.ambiances.net/Mobiance2

“The phigital future of cities: a possible perspective”

27-29.04.2015 | Université du Québec à Montréal (UQAM) | 2° Seminar of the GDRI Funded Program *Translating Ambiances* | Montreal – Québec – Canada | www.ambiances.net/gdri-montreal2015.html

"Interpreting and communicating the atmosphere of places: outcomes from a teaching experience in architecture"

13.11.2014 | UNIMI | *BookCity: Giornate della sostenibilità. L'arte della divulgazione: ricerca scientifica, cultura letteraria e comunicazione d'impresa. Non solo Scienza.* | Milano – IT |

www.unimi.it/Arte_divulgazione

"Il progetto CSCS: Città Studi Campus Sostenibile"

18.09.2014 | POLIMI | European Mobility Week 2014: le università e la mobilità sostenibile | Milan – IT |

www.campus-sostenibile.unimi.it/mobility_week_2014

"Ripensiamo via Celoria! Comparazione di scenari ed esiti ambientali per una riqualificazione condivisa"

28.11.2014 | Ecole Centrale de Nantes (ECN) - École Nationale Supérieure d'Architecture de Nantes (ENSA) | International Lecture | Nantes - FR |

"Managing complexity through prototypes of future realities: perceptual simulation for designing and evaluating urban transformation"

15.09.2014 | International Summer School: *The Complexity of Crowd Dynamics: analysis, modeling, simulation* | Como - IT | www.csai.disco.unimib.it/CSAI/Crowd2014

"Perceptual Urban Simulations: the relevance of introducing dynamic features"

09-12.09.2014 | CRENAU | 1° Seminar of the GDRI Funded Program *Translating Ambiances* | Nantes – IT |

www.ambiances.net/gdri-nantes2014.html

26.11.2013 | [Green Project Festival](#) | Moscow - Russia

"Città Studi Sustainable Campus"

13-14.06.2013 | CERMA | Joint international seminar CERMA – labsimurb: *Simulation of Ambient Environment, Virtual Reality and Urban Design* | Nantes – FR | www.ambiances.net/nantes-2013-simulation

"Simulation for evaluation: the transformation of the Garibaldi - Repubblica district in Milan"

08-09.04.2013 | POLIMI | International Seminar: *Public spaces and services in changing urban spaces* | Milan - IT | www.dastu.polimi.it/PublicSpace

"The Garibaldi-Repubblica Project in Milan: The Labsimurb Simulation Research"

12.10.2012 | POLIMI | Seminar: *Giornate della Sostenibilità* | Milan – IT | www.campus-sostenibile.polimi.it/GgSost_2012

"Il progetto CSCS: aspetti progettuali ed operativi"

15.03.2012 | POLIMI | Seminar: *Linear landscape: tools to analyze and manage the linear landscape. Preservation and planning policies* | Milan - IT

"The perceived landscape"

17.03.2010 | Moholy-Nagy University of Art and Design (MOME) | International Program Course Week | Budapest - HU

"Urban Simulation"

RECENT PARTICIPATION TO INTERNATIONAL CONFERENCES & CHAIRING

(2019, October) XIII CTV 2019 "Congreso internacional de Ciudad y Territorio Virtual" | Barcelona, ES | [full paper, oral presentation](#)

(2019, September). EAEA-14 2019: *Envisioning ambiances: representing (past, present and future) atmospheres for architecture and the built environment* | Nantes, FR | [full paper, oral presentation, chair](#)

(2018, September) eCAADe: *Computing for a better tomorrow* | Lodz, PL | [full paper](#)

(2018, August) *International Conference on Geometry and Graphics* | Milan, IT | [full paper, oral presentation](#)

(2018, July) UID 2018: *Rappresentazione Materiale\Immateriale - Drawing as (Intangible) Representation* | [full paper](#)

(2016, September) *International Congress: Ambiances, tomorrow* | Volos – GR | [full paper, chair](#)

(2015, September) EAEA 2015: Envisioning Architecture: Image, Perception and Communication of Heritage, Lodz - PL | [full paper, oral presentation, chair](#)

(2014, October) Design Communication Conference 2014: Design & Graphic Palimpsest: Dialogue, Discourse, Discussion | Atlanta, Georgia -USA | [full paper](#)

(2013, September) EAEA 2013: Envisioning Architecture | Milan - IT | [full paper, oral presentation, chair](#)

(2012, July) AESOP 2012 | Ankara, Turkey | [full paper, oral presentation](#)

(2011, September) eCAADe 2011: Respecting Fragile Places | Ljubljana, Slovenia | [full paper, oral presentation](#).

(2011, September) EAEA 2011: Envisioning Architecture | Delft, Netherlands | [full paper, oral presentation, chair](#)

PUBLICATIONS

Available at: https://bit.ly/Scholar_Piga and www.researchgate.net/profile/barbara_piga/contributions

EDITED BOOKS

- 1) B. E. A. Piga, D. Siret, J.P. Thibaud (Eds.), *Experiential Walks for Urban Design. Revealing, Representing, and Activating the Sensory Environment*. Springer International Publishing.
- 2) Piga, B. E. A., & Salerno, R. (Eds.). (2017). *Urban Design and Representation. A Multidisciplinary and Multisensory Approach*. Switzerland: Springer International Publishing.
www.springer.com/gp/book/9783319518039

BOOKS CHAPTERS and JOURNAL ARTICLES

- 3) Piga, B. E. A. (*in press*). Experiencing and Representing the City for Urban Design Purposes. In: B. E. A. Piga, D. Siret, J.P. Thibaud (Eds.), *Experiential Walks for Urban Design. Revealing, Representing, and Activating the Sensory Environment*. Switzerland: Springer International Publishing.
- 4) Piga, B. E. A. (2018). The Combined use of Environmental and Experiential Simulation to Design and Evaluate Urban Transformations. In: Roberta Cocci Grifoni, Rosalba D'Onofrio, Massimo Sargolini (Eds.), *Quality of Life in Urban Landscapes: In Search of a Decision Support System*. The Urban Book Series. Springer, Cham. https://link.springer.com/chapter/10.1007%2F978-3-319-65581-9_36
- 5) Piga, B. E. A., Morello, E., & Salerno, R. (2017). Introducing a Research Perspective in Urban Design and Representation. In: B. E. A. Piga & R. Salerno (Eds.), *Urban Design and Representation. A Multidisciplinary and Multisensory Approach*. pp. 1–7. Switzerland: Springer International Publishing. Retrieved from http://link.springer.com/chapter/10.1007/978-3-319-51804-6_1
- 6) Piga, B. E. A. (2017). Experiential Simulation for Urban Design: From Design Thinking to Final Presentation. In: B. E. A. Piga & R. Salerno (Eds.), *Urban Design and Representation. A Multidisciplinary and Multisensory Approach*. pp. 23–36. Springer International Publishing.
http://link.springer.com/chapter/10.1007/978-3-319-51804-6_3
- 7) Morello E. & Piga B. E. A.. 2015. Experiential Simulation in Architecture and Urban Design, *International Journal of Sensory Environment, Special Issue: Architecture and Urban Space*. [*peer reviewed article*]
<https://ambiances.revues.org/671>
- 8) Morello, E. & B.E.A. Piga. 2015. *Experiential Simulation in Architecture and Urban Space. Introduction to the Special Issue*. Special Issue:2–5. edited by Eugenio Morello and Barbara E. A. Piga “Ambiances, Experiential Simulation in Architecture and Urban Space” <https://ambiances.revues.org/535>
- 9) Piga B. E. A. & Morello E. 2015. Environmental Design Studies on Perception and Simulation: an Urban Design Approach, *International Journal of Sensory Environment, Architecture and Urban Space: Special Issue*

on *Experiential Simulation in Architecture and Urban Design*. [peer reviewed article]
<https://ambiances.revues.org/647>

- 10) Piga B. E. A. 2015. Re-Presenting Experience: Perceptual Simulation for Urban Design. In: Cocchiarella, L., *The Visual Language of Technique*, Volume 1 - History and Epistemology. Springer International Publishing Switzerland.
https://link.springer.com/chapter/10.1007%2F978-3-319-05350-9_17
- 11) Morello E., Piga B. E. A. (Eds.). 2013. *Envisioning Architecture: Design, Evaluation, Communication*. 11th Conference of the European Architectural Envisioning Association, Edizioni Nuova Cultura, Roma.
<http://nuovacultura.it/catalogo/eaea11-2013/>
- 12) Morello E., Piga B.E.A., Signorelli V., Cibien L. 2013. Envisioning the Sustainable Campus: the Urban Model as the Hub that Supports the Transformation. In: Morello E., Piga B. E. A. (eds.), *Envisioning Architecture: Design, Evaluation, Communication*, Edizioni Nuova Cultura, Roma, pp. V-XI
- 13) Piga B.E.A. (2011). *Simulazione e percezione dell'ambiente urbano*. In: Rossella Salerno. *Teorie e tecniche della rappresentazione contemporanea*. p. 183-194, Maggioli
www.maggiolieditore.it/9788838760037-teorie-e-tecniche-della-rappresentazione-contemporanea.html
- 14) Piga B.E.A. (2010). *Visual Simulation for Urban Planning. The Perceptual Point of View in The Comprehension of Urban Transformation Projects*. Ph.D. Thesis, Politecnico di Milano – Dipartimento di Architettura e Studi Urbani.
http://opac.biblio.polimi.it/TESI_D02465.PDF
- 15) Piga B.E.A. (2008). Attualità dei laboratori di simulazione urbana. La lezione dell'Environmental Simulation Laboratory di Berkeley a Times Square, New York. TERRITORIO, vol. 45; p. 63-68
www.francoangeli.it/riviste/Scheda_Rivista.aspx?IDArticolo=33974&idRivista=63&lingua=en
- 16) Arcidiacono A., Piga B.E.A. (2007). Il caso di Garibaldi Repubblica: simulazioni spaziali e valutazione dell'impatto cumulato dei progetti urbani. TERRITORIO, vol. 43; p.40-52
www.francoangeli.it/riviste/Scheda_Rivista.aspx?IDArticolo=32479&idRivista=63

CONFERENCE PAPER

- 17) Steven, S.-S, Servières, M., Piga, B. E. A. (2020 – *in press*) From attention to spatial and informational mobility: towards a digital common to design a dynamic city – outcomes of Mobiance 4 workshop. In: Masson, D., Novak, M., *Ambiances, Alloaesthesia: Senses, Inventions, Worlds*. 4th International Congress on Ambiances, Santa Barbara, USA, 2020.
- 18) Piga, B. E. A., Caruso, G., Ferraioli, A., Mussone, L. (2020 – *in press*) *Modeling virtual road scenarios for driving simulators: a comparison of 3D models with different Level of Details*. In: in 42° UID International Congress: Connecting: Drawing for Weaving Relationships.
- 19) Stancato, G., Piga, B. E. A. (2020 – *in press*) Parametric simulation as a tool to inform representation. In: in 42° UID International Congress: Connecting: Drawing for Weaving Relationships.
- 20) G. Caruso, Y. Shi, I. Sayed Ahmed, A. Ferraioli, B. Piga, L. Mussone. (2020 – *in press*) Driver's behaviour changes with different LODs of Road scenarios. ETC 2020.
- 21) Piga, B.E.A. (2019). *Augmented Maquette: A Digital Dress for Physical Models* Pagg. 1747–50 in 41° UID International Congress: *Reflections: the Art Of Drawing / the Drawing of Art*. Gangemi Editore International.
- 22) Piga, B. E. A., Rainiso, N., & Boffi, M. (2019). *Experiential Simulation and Psychological assessment as a learning process in architectural higher education*. In L. Lescop & A. Kępczyńska-Walczak (A c. Di), SHS Web of Conferences (Vol. 64, pag. 02013).
- 23) Piga, B. E. A., Caruso, G., Ferraioli, A., & Mussone, L. (2019). *Road scenarios level of details for virtual driving simulation*. 1–14. ETC 2019

- 24) Piga, B. E. A., Boffi, M., Rainisio, N., & Stancato, G. (2019). *Augmented Reality for Co-Design: The Perspective of Real Estate Developers, Architectural Firms, And Public Administrations*. 1–15.
- 25) Servières, M., Piga, B. E. A., Morello, E., Requena, I., Gwendoline, L., Steven, S.-S., & Siret, D. (2018). Envisioning Future Urban Scenarios The outcomes of the international Mobiance 3 workshop on Sharing Cities, Ambient Commons and Urban Futures. In *eCAADe 36 International Conference: Computing for a Better Tomorrow* (pagg. 693–700). Lodz (Poland).
- 26) Piga, B. E. A., & Salerno, R. (2018). Non-conventional Representation for Urban Design: Depicting the Intangible. In *ICGG 2018 - Proceedings of the 18th International Conference on Geometry and Graphics* (pagg. 1694–1705). Springer, Cham. https://doi.org/10.1007/978-3-319-95588-9_152
- 27) Piga, B. E. A. (2018). Virtual (Reality) for Urban Design Competitions: two case studies applications. In: R. Salerno (Ed.) *Rappresentazione Materiale\Immateriale - Drawing as (Intangible) Representation*. Unione Italiana per il Disegno (UID) International Congress 2018 (13-15 September 2018) (pagg. 205–208). Gangemi Editore International.
- 28) Piga, B. E. A., Chiarini, C., Vegetti, I., Boffi, M., Rainisio, N., Bonnet, A., Signorelli, V., Tourre. (2016). Mapping Ambiance. A synopsis of theory and practices in an interdisciplinary perspective. In N. Rémy & N. Tixier (Eds.), 3rd International Congress *Ambiances, demain / Ambiances, tomorrow / Ατμόσφαιρες, Αύριο*, International Ambiances Network & University of Thessalie. Vol. 1, pp. 367–373. <https://hal.archives-ouvertes.fr/hal-01414063/>
- 29) Servières, M., Piga, B. E. A., Siret, D., & Minviel, N. (2016). Emotional Cities: Imaginary Future of Ambiances Explored in the Mobiance Workshop. In N. Rémy & N. Tixier (Eds.), 3rd International Congress *Ambiances, demain / Ambiances, tomorrow / Ατμόσφαιρες, Αύριο*, International Ambiances Network & University of Thessalie. Vol. 1, pp. 535–540. <https://tel.archives-ouvertes.fr/CERMA/hal-01404443v1>
- 30) Daich S., Zemmouri N., Saadi M. Y., Morello E., Piga B. E. A. (2016) Evaluation Quantitative et Qualitative de Système Anidolique Sous un Climat Chaud et Aride. In N. Rémy & N. Tixier (Eds.), 3rd International Congress *Ambiances, demain / Ambiances, tomorrow / Ατμόσφαιρες, Αύριο*, International Ambiances Network & University of Thessalie. Vol 1, pp 219-226. <https://hal.archives-ouvertes.fr/hal-01414221/>
- 31) Piga, B. E. A., Romani, G., Lautaro, C., Segarini, P., & Morello, E. (2016). Multi-Media Guidelines for Instructing Urban Design Contests. In S. M. Uddin, M. Sahin, A. O. Torun, & U. C. Bayazitoglu (Eds.), *Design Communication European Conference Inclusiveness in Design*, (Istanbul 11-14.05.2016). Ozyegin University Publications. pp. 349–355. <https://core.ac.uk/display/74313762>
- 32) Morello E. & Piga B. E. A. (2015). The Image of Productive Landscapes: a Method for the Perceptual Analysis of Industrial Heritage. In: Kepczynska-Walczak, Anetta, *Envisioning Architecture: Image, Perception, and Communication of Heritage*, 12th International Conference of the European Architectural Envisioning Association Conference, Lodz (Poland), 23-26.09.2015. <http://hdl.handle.net/11311/972985> | http://papers.cumincad.org/eaea2015_t1_paper08.pdf
- 33) Piga B. E. A., Morello E., Shokry, G., Salerno, R. (2015). A Toolkit for Collaborative Design: Envisioning and Sharing the Identity of Place Through Traditional and Emergent Techniques of Simulation. In: Kepczynska-Walczak, Anetta, *Envisioning Architecture: Image, Perception, and Communication of Heritage*, 12th International Conference of the European Architectural Envisioning Association Conference, Lodz (Poland), 23-26.09.2015. http://papers.cumincad.org/data/works/att/eaea2015_t3_paper15.pdf
- 34) Daich S., Zemmouri N., Saadi M. Y., Morello E., Piga B. E. A. (2015). Modeling of an Anidolique Daylight System, 10th Conference on Advanced Building Skins, Bern, Switzerland, 03-04.11.2015.
- 35) Piga B. E. A., Morello E., Signorelli V., Cibien L., Rudini M. 2014. The Combined Use of Urban Models to Support a Collaborative Approach to Design Towards the Sustainable University Campus: Participation, Design, Transformation. In: Uddin S.M., Welty C. (eds.), *Design & Graphic Palimpsest: Dialogue, Discourse, Discussion*, Design Communication Conference 2014. Atlanta, Georgia – USA, 01-04 10 2014.

- 36) Piga B.E.A., Morello E. (2013). Perceptual Simulation for Urban Design: Its Use for Developing and Sharing Urban Design Guidelines. In: Morello E., Piga B. E. A. (Eds.), *Envisioning Architecture: Design, Evaluation, Communication*. 11th European Architectural Envisioning Association Conference, Edizioni Nuova Cultura, Roma, pp. 259-266
www.labsimurb.polimi.it/11EAEA/T02/paper/EAEA11_PAPER_T02_PIGA_MORELLO.pdf
- 37) Piga B.E.A., Cibien L., Legnani A., Mungo S., Zappa D., Signorelli V., Morello E. (2013). A Sense-Archive of Urban Space. In: Morello E. & Piga B. E. A. (eds.), *Envisioning Architecture: Design, Evaluation, Communication - 11th European Architectural Envisioning Association Conference*, Edizioni Nuova Cultura, Roma, pp. 251-258
www.labsimurb.polimi.it/11EAEA/T02/paper/EAEA11_PAPER_T02_PIGA_CIBIEN.pdf
- 38) Piga B.E.A., Signorelli V., Morello E. (2012). Anticipating Urban Design Projects Impacts Starting from the Pedestrians' Experience. In: *Aesop2012 E-Book, 26th Annual Congress of the Association of European Schools of Planning*. Ankara, 11-15 07 2012, Ankara: ARBER Professional Congress Services
www.researchgate.net/Anticipating_Urban_Design_Projects
- 39) Piga B.E.A., Signorelli V., Morello E. (2011). The Experience of an Academic Simulation Laboratory: the Use of Visual Simulations for Education and Research. In: *Respecting Fragile Places: Proceedings of the 29th Conference on Education in Computer Aided Architectural Design in Europe (eCAADe)*. Ljubljana, 21-22-23-24.09.2011. Ljubljana: eCAADe and UNI Ljubljana, p. 734-741
<http://cumincad.architexturez.net/doc/oai-cumincadworks-id-ecaade2011-154>
- 40) Piga B.E.A., Tangredi C., Signorelli V. (2011). Investigating the Traveler Experience: the Use of Eye-Tracking for Urban Design Purposes. In: Jack Breen, Martijn Stellingwerff, *Envisioning Architecture - 10th European Architectural Envisioning Association Conference*. Delft, 14-17.09.2011. Delft: Delft Digital Press, p. 161-168
<http://hdl.handle.net/11311/657121>
- 41) R. Radaelli, G. Salerno, V. Villani, Piga B.E.A., Morello E. (2011). Designing Child-Friendly Urban Environments: a Proposal for a Method of Investigation Based on Visual Simulation. In: *Envisioning Architecture - 10th European Architectural Envisioning Association Conference*. Delft, 14-17.09.2011. Delft: Delft Digital Press, p. 181-188
- 42) Cibien L., Secchi F., Piga B.E.A. (2011). The 'Tavolo Luminoso' How To Built A New Tool Suitable For Supporting Representation, Communication And Participation. In: *Envisioning Architecture - 10th European Architectural Envisioning Association Conference*. Delft, 14-09-2011, Delft: Delft Digital Press, p. 253-258
<https://re.public.polimi.it/handle/11311/714345#.WNFwWfnhCUK>
- 43) Piga B.E.A. (2011). The Urban Simulation and Projects Evaluation Laboratory at the Politecnico di Milano: an Educational and Research Facility. In: *Projecting Spaces - 9th European Architectural Envisioning Association Conference*. Cottbus, Germany, 24-26.09.2009 (w.e.b. 2011), pp. 114-119
- 44) Arcidiacono A., Piga B.E.A. (2008), Visual Simulation and Large Projects Evaluation: initial experience of the Urban Simulation Laboratory at the Politecnico di Milano in a case study of the Garibaldi Repubblica area, In S. Davoudi & C. Winkle (Eds.), International conference: *Bridging the Divide: Celebrating the City, ACSP - AESOP 4th Joint Congress*. Chicago, Illinois, USA, 6-11.07.2008, pp. 1-15

PROFESSIONAL EXPERIENCE

URBAN PLANNING, DESIGN, SIMULATION, AND CONSULTANCY

(2017 – 2020) Consultancy for Beni Stabili (now Covivio) for the Symbiosis (Milan) urban project: the use of experiential simulation for pre-assessing the experience generated by urban transformations.

(2019) Project leader of *Ri-pensiamo via Celoria at Salone del Mobile (INTERNI): Human Spaces: Urban Islands* at *Università degli Studi di Milano*. The project consisted of a virtual experience, with Head-Mounted Displays, of the via Celoria redesign proposal by labsimurb (experiential simulation).

(2018) Urban analysis and scenario for 'Città Studi Cambia' (Milano – IT): technical and scientific support for the definition of new urban scenarios for the urban district of "Città Studi" neighborhood | www.labsimurb.polimi.it/research/citta-studi-2-0

(2014 – 2016) Masterplan and design project for 'Re-thinking of via Celoria' (Milano – IT), within the 'Città Studi Campus Sostenibile' project | <http://goo.gl/RLPFIE>

(2015) Strategic plan and brief for the design competition for the 'Redevelopment of the open spaces of the Campus Bonardi' – preliminary urban design project

(2013) Masterplan 'Incarico per lo Studio unitario e la progettazione di un percorso di connessione tra le stazioni di Milano Bovisa Politecnico (FERROVIENORD) – Milano Villapizzone (RFI)' | FERROVIENORD

(2012 – 2014) Collaboration for the urban re-design of piazza Leonardo da Vinci (Milano – IT), within the 'Città Studi Campus Sostenibile' project | <http://goo.gl/Xd5SWk>

(2012) Strategic plan and brief for the design competition for the 'Redevelopment of the open spaces of the Campus Bonardi' ideas competition | www.campus-sostenibile.POLIMI.it/web/guest/bando

(2011) Strategic Vision and structure of the inter-university project (POLIMI – UNIMI) 'Città Studi Campus Sostenibile' | <https://youtu.be/nSXwqy1R5xM>

(2011) Collaboration with labsimurb and arch. Alessandro Trevisan (Piani e Progetti) | Urban simulation for supporting the urban transformation of Settala municipality

(2007) Collaboration for the *City Plan* of Sesto San Giovanni, Italy | 'Linee guida per il Piano delle Regole di Sesto San Giovanni' | arch. Laura Pogliani

COLLABORATION WITH ARCHITECTURE AND URBAN PLANNING OFFICE

(2005 – 2007) Urban Planning Office 'Studio Plateia' (arch. L.Pogliani, arch. A.Arcidiacono, arch. G.Calmanti):

- (2006) Collaboration for the *Strategic Plan* for the Consorzio Area Alto Milanese – CAAM | 'Ricognizione e valutazione delle potenzialità di sviluppo strategico dell'area intercomunale del CAAM' | Studio Plateia (arch. L.Pogliani, arch. A.Arcidiacono, arch. G.Calmanti)
- (2006) Collaboration for the *Strategic Plan* of Scandicci, Italy | 'Piano Strategico e della Mobilità di Scandicci' | Studio Plateia
- (2006) collaboration for the updating of the RSA (Relazione sullo Stato dell'Ambiente) for the Comune di Milano | Studio Plateia

(2005 – 2007) Architecture and Urban Planning Office 'Piani e Progetti' (arch. Paolo Maffioletti, arch. Alessandro Trevisan)

- (2005) 'richiesta di Verifica per l'esclusione dalla procedura di VIA' e per il 'rapporto di impatto: compatibilità urbanistico-territoriale' per "Integrazione al PRU quartiere ERP - ex Incis' a Pieve Emanuele (Mi) | Studio Plateia and Piani e Progetti

(2006) Architecture Offices

- (2006) Collaboration for residential design projects in Milan | arch. Luca Mangoni
- (2006) Collaboration for the architectural design competition of the residential building in via Moscovia, Milan, Italy (invited architect by Pirelli RE) | arch. Luca Mangoni
- (2002 – 2003) Collaboration for interior design of the lobby of the Canon Italia main office, San Donato (Mi), Italy | ARX - arch. Fulgenzio Maffezzini
- (2002 – 2003) Collaboration for residential interior design projects in Milan | ARX - arch. Fulgenzio Maffezzini

MEDIA COVERAGE (selection)

09/2019

RAI 3 | Barbara E. A. Piga (interview) \

[Memex Doc – CambiaMenti – pt.6: Città](#)

24/03/2017

Barbara E. A. Piga \ Ingenieri.info

Simulazione Architettonica e Urbana: quali sono gli obiettivi e cosa si studia al Politecnico di Milano?

03/08/2009

Corriere della Sera \ Fausto Curti, Andrea Arcidiacono, Barbara E.A. Piga

Torri e parchi, la sfida della città verticale

OTHER SKILLS

(12-19-30 Nov 2015) Project Management Certificated training courses | Politecnico di Milano (MIP) |

(29-30 Oct 2014) | Eye Tracking Masterclass for Behavioral Research Certificated Training courses | Tobii AB (Stockholm, SE)

(2009, since) EU licensed Architect | Registration Member n. 17007 of 'Ordine degli Architetti, Pianificatori, Paesaggisti e Conservatori della Provincia di Milano'.

Languages (oral & written): *Italian* (native), *English* (excellent), *Spanish* (very good).

REFERENCES


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Milan, 16/07/2020
Barbara Piga



Autorizzo il trattamento dei dati personali ai sensi del D.Lgs. del 30 giugno 2003, n. 196 (Codice in materia di protezione dei dati personali) e del GDPR 679/2016 (Regolamento Europeo sulla Privacy).