

TIZIANA POLI

EDUCATION

- Ph.D. in Building Engineering (graduated 02.02.1999), DISET Dept., Politecnico di Milano.
- M.Sc. in Architecture, *cum laude* (graduated 29.03.1995), Politecnico di Milano.

AT A GLANCE

CURRENT AND PAST POSITIONS

- 2019-up to date, **Full Professor** (11.03.2019)
- 2010-2019, **Associate Professor**, ABC Dept., Politecnico di Milano
- 2002-2010 **Assistant Professor** (permanent appointment), BEST Dept, Politecnico di Milano
- 1999-2002 **Post Doctoral Researcher**, DISET Dept, Politecnico di Milano
- 1995-1999 **Ph.D. Student** (Building Engineering), DISET Dept, Politecnico di Milano

APPOINTMENTS (MAIN)

- 2020-up to date, **Coordinator of Scientific Board ABC Dept**, Politecnico di Milano
- 2019-up to date, **Member of Working Group for Rating of Scientific Journals**, ANVUR (field 8A - Architecture)
- 2017-2019, **Elective Member of Scientific Board ABC Dept**, Politecnico di Milano;
- 2016-up to date, **Head of Building and Construction Engineering BScEng Degree**, School of Architecture, Urban Planning and Construction Engineering, Politecnico di Milano;
- 2016-up to date, **Member of Board Architecture, Urban Planning and Construction Engineering Faculty**, Politecnico di Milano;
- 2014-2019, **Member of Scientific Board dABC Laboratory** (experimental Laboratory for construction sector), Politecnico di Milano
- 2014-2016 **Member of working group for "The European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers"**, Politecnico di Milano (for "HR Excellence in Research" award);
- 2013-2015 **Member of Board Architectural Engineering Faculty**, Politecnico di Milano;
- 2013- up to date, **Member of Educational Board**, ABC Dept., Politecnico di Milano;
- 2013-2016 **Board Member of Ph.D. Programme** in Architecture, Built Environment and Construction Engineering, Politecnico di Milano (Tutor and Supervisor; Member of examination commissions for admission);
- 2013-2016 **Elective Member of DABC Board**, ABC Dept., Politecnico di Milano;
- 2013-up to date, **Coordinator of SEEDLab.dABC** - Smart Envelope for energy Efficient buildiNGs and Districts (<http://www.seed.polimi.it/>), ABC Dept, Politecnico di Milano (Laboratory of characterization of radiative and optical properties of building envelope components);
- 2008-2012 **Member of Educational Board**, BEST Dept., Politecnico di Milano;
- 2008-up to date, **Coordinator of Scientific Board METEOLab**, PoliMI-ABC Dept and OMD (Osservatorio Meteorologico Milano Duomo)
- 2007-2013 **Board Member of Ph.D. Programme in Building Systems Engineering**, Politecnico di Milano (Tutor and Supervisor; Member of examination commissions for admission and final exam).
- 2006-2008 Coordinator of SILSIS-MI classe 016A "Building Construction, Building Technology and Technical draw" and
- 2012-2013 Coordinator of TFA classe 016A "Building Construction, Building Technology and Technical draw" for Teaching qualification.

RESEARCH THEMES

Research and educational activities concern: daylighting and comfort, design of energy efficient building envelope, characterization of optical-radiative properties of building envelope components and materials, innovation in building envelope components and the impact of building envelope properties on urban microclimate mitigation.

PI or Associate PI in national and international research projects, coordinator of several contracts for research and industrial development and several scientific collaboration in research projects, co-owner of two Patents.

TEACHING

- 2008- up to date, Architectural Engineering course in Building and construction engineering IEC BScEng Degree and Architectural Engineering course in Architectural Engineering EDA M.Sc Degree, Politecnico di Milano (9 CFU BCE; 6 CFU AE);
- 2004-2008 Design of building systems and components in Building Systems Engineering ISE (9 CFU) M.Sc Degree, Politecnico di Milano;
- 2008-2012 Building Technology and Construction course (4 CFU) in Building Architecture M.Sc. Degree, Politecnico di Milano;
- 2002-2008 Building Technology and Construction course (4 CFU) in Architecture M.Sc. Arch. Degree, Politecnico di Milano.
- 2018 Visting UPV Universitat Politecnica de Valencia, ETSIE Escuela Técnica Superior de Ingeniería de Edificación
- Advisor of 100+ dissertations for the M.Sc. in Building Systems Engineering, B.Sc. in Building Engineering and M.Sc. in Architectural Engineering. Advisor of 50+ Intership/trainee. Ph.D. Supervisor of 8 thesis and Tutor of PhD Student (ISE/ABC PhD Programme, Politecnico di Milano).

PUBLICATION

Author of numerous national and international publications (160+).

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=55318960700>;

WOS: <https://app.webofknowledge.com/author/#/record/885052?SID=F34Di4J1XbIntuXrOws>

ID ORCID: orcid.org/0000-0001-8558-783X; Scopus ID: 55318960700; h-index 11 - Google scholar: H i10 index 13 - RG score 17.09 (27.02.2020)

COMMUNITY SERVICES (MAIN LAST 10 YEARS)

2018-2019, Member of Local Scientific Committee of SBE 2019 (Regional - Europe). International Sustainable Built Environment Conference. Resilient Built Environment for Sustainable Mediterranean Countries Politecnico di Milano, 3-6 September 2019

2017-up to date, Responsible of Building and Construction Engineering Double Degree PoliMI AUIC - UPV ETSIE, Universitat Politècnica de València

2017-2019, Member of VIVI.Polimi working group (Rector's Commission to increase the built environment quality of the Polimi Campus), Politecnico di Milano (PI E. Faroldi- PoliMI);

2017-2020, Member of International Scientific Committee of International Construction Technology Exhibit. XXXI EXCO 2017, XXXII EXCO 2018, XXXIII EXCO 2019, XXXIV EXCO 2020", València.

2017-2019, Editor of international Itinerant Exhibition EXCO 2017, 2018, 2019, PoliMI AUIC.

2017. Member of the commission for tendering procedures, Politecnico di Milano.

2017. Member of Scientific Committee MI/ARCH Milano Arch Week, International Festival of Architecture.

2016. Member of scientific Committee in national congress: Building Envelope Engineering and The next building.

2013. Member of Local Scientific Committee XXXIX IAHS World Congress on Housing Science. Changing Needs, Adaptive Buildings, Smart Cities;

2011. Member of Jury (technical expert) of Housing Contest. Low Cost Residential Building Projects (Assimpredil ANCE, FLA, IN/ARCH, Comune di Milano);

2008-2013, Member of IEA SHC Task 47 Solar Renovation of Non-Residential Buildings and CIB W108 Climate Change and the Built Environment;

2008-2013. Member of CIB W108 Climate Change and the Built Environment and Member of local and scientific Committee 8th CIB W108 International Workshop and Meeting on Climate Change and the Built Environment (2006)

2006-2013. Member of OMD Scientific Committee;

Editorial Board (Associate editor)/scientific committee in national journal (@BEST, TEMA, Next Building).

Anonymous reviewer for international Journal (Energy Efficiency ENEB, Journal Of Building Engineering JOBE, Urban, Planning and Transport Research, Advances in Building Energy Research) and national and international conference;

Speaker in several congress, seminars and courses for professionals.

Organization and co-direction of 20+ continuing education courses and courses for professionals (ASSIMPREDIL-ANCE, UNSAAL) focused on building envelope technology and performance and low energy building.

Member of Italian Association of Architecture Engineering (Ar.Tec, ssd. ICAR 10);

Member of several Boards of Examiners for research grants, ABC Dept, Politecnico di Milano;

Member of several Boards of Examiners for State Exam (the profession of engineer).

AWARDS AND RECOGNITION

2019 Switch2Product | Innovation Challenge, XI edizione (programma di accelerazione imprenditoriale funded by: TTO Politecnico di Milano, PoliHub Innovation District & Startup Accelerator, Deloitte) Progetto: Textudo. Hybrid and customizable surface for architecture and design in concrete and 3D fabric, with texture/textile pattern preserved (Team Textudo: T. Poli, A.G. Mainini, A. Speroni, J.D. Blanco Cadena).

2017 ANNUAL FUNDING for RESEARCH ACTIVITIES, MIUR, Italian Ministry of Education, University

2017 BIM&Digital Award Building Smart Italia for the Project "School of Melzo – BIM in Management of tender procedures, Public Building"

2014 National Prize "P.N. Maggi" ISTE A - Best paper by a young researcher

2013 International design competition for the Expo 2015 Italian pavilion, Arch. B. Tagliabue (EMBT, Spain) (2nd place)

2006 Eurosolar Italia Award, kindergarten Via Brivio Milano (PI E. Zambelli)

2003 EEA Alubuild, for European University - "The Aluminium Window of the 21st century" (2nd prize) (with G. Masera, S. Croce, P. Rigone).