



**POLITECNICO**  
MILANO 1863

**PhD School - Politecnico di Milano**

**Regulations of the PhD Programme in:**

**Design**

**Cycle XXXVII**

# 1. General Information

PhD School - Politecnico di Milano PhD Programme: Design

Course start: November 2021

Location of the PhD Programme: Bovisa Promoter Department: Design Scientific Disciplinary Sectors

Subject (SDS): ICAR/13 Design (main);

Other Subjects: ICAR/16 Interior and Exhibit Design; L-ART/02 History of Modern Art; ICAR/18 History of Architecture

PhD School Website: <http://www.polimi.it/phd>

PhD Programme Website: <http://phd.design.polimi.it>

## 2. General presentation

Politecnico di Milano was among the first universities in the world to start a PhD Programme in the field of design in 1990.

The Programme is run by a Coordinator and a Faculty Board.

The Coordinator chairs the Faculty Board, coordinates the preparation of the annual Educational Syllabus and organises the general educational activities of the PhD Programme (see Attachment A1). The Faculty Board is responsible for the Educational Syllabus and for teaching and administrative activities related to the PhD Programme (see Attachment A2).

The Programme aims at teaching PhD candidates how to carry out high quality design research. In this respect, candidates are invited to: reflect on the nature of design, with its aesthetic, of use and meaning values, as well as its capability of being an agent of social change towards more sustainable systems; develop and share original design knowledge and methodologies.

The PhD Programme hosts research projects that address the specific issues on which research is carried out in the Design Department.

## 3. Objectives

Main goal of the PhD Programme is to train designer-researchers who, addressing the problems and opportunities of contemporary society, are able to apply research methods in order to produce original design knowledge. The curriculum lasts three years, during which both educational and research activities are provided. The Programme develops analytical and design abilities and promotes a collaborative disposition.

Each year, a list of suggested topics to be addressed during the three-year training is made available on the PhD website (<http://phd.design.polimi.it>).

In January 2018 the Design Department was awarded by the Italian Ministry of University with a five-year co-financing (Dipartimenti d'Eccellenza) for carrying out research activities in the following four areas: i) design for advanced manufacturing; ii) design for new business and entrepreneurship; iii) design for social and public sectors innovation; iii) design for cultural and creative industries. Therefore, the current topics are mainly focused on one of the above- mentioned areas.

Once enrolled, each candidate becomes an effective member of a research group, within which she/he

develops an original research project. This research activity is the fundamental core of the learning process. Parallel to this, each candidate is involved in other educational activities, divided into general and specialised ones.

*General activities* are courses and seminars related to the design discipline and its research methodologies and practices. They are aimed at consolidating the cultural and operational background common to all the areas of design research. For this reason, the general activities are compulsory for all the PhD candidates.

*Specialised activities* are optional courses and seminars related to the specific research topic addressed by each PhD candidate.

In brief, the Programme offers PhD candidates with the following opportunities:

- To develop a PhD thesis, working on a specific research topic as member of a research team;
- To participate in courses and seminars on design, on design research and on research in general, developing competences concerning the discipline of design and the researcher profession;
- To participate in workshops, developing specialist competences and acquiring knowledge and tools for the development of their research topic;
- To engage in an internship in an international research centre to verify assumptions, methodologies and results of their research work and to consolidate their international network of relationships.

Finally, the activities of the PhD Programme in Design include the writing of academic papers and the participation in international conferences.

## 4. Professional opportunities and job market

The designer-researcher educated by the PhD Programme in Design is a flexible figure: a designer who knows how to carry out research and a researcher who uses design tools. At the same time, he/she is also an expert in knowledge management, in constructive interaction among different stakeholders and in the communication of visions and proposals.

The combination of these skills is useful in a variety of work environments, which increasingly are faced with complex challenges that the designer-researcher can effectively address and contribute to solve. More specifically: universities and research centres expressly dedicated to carrying out design research; design agencies and design-oriented companies; public bodies and service companies; organisations for territorial development.

## 5. Enrolment

### 5.1 Admission requirements

Italian and International citizens can apply. They are requested to have graduated in accordance with the pre-existing laws D.M. 3.11.1999 n. 509, or to have a Master of Science degree in accordance with D.M. 3.11.1999 n. 509, or a Master of Science in accordance with D.M. 22.10.2004 n. 270, or similar academic title obtained abroad, equivalent for duration and content to the Italian title, with an overall duration of university studies of at least five years.

The certified knowledge of the English language is a requirement for admission. Please refer to the PhD School website for details.

The admission to the Programmes will be established according to the evaluation of the candidates'

curricula, motivation letters, and an illustrative report about the development of a possible PhD research, which candidates will send contextually with their application to the admission announcement. The topic of this research proposal should be chosen from a list of suggested topics available on the website of the PhD Programme in Design.

## **5.2 Admission deadlines and number of vacancies**

The number of positions is indicated in the Call for admission to the 37<sup>th</sup> PhD cycle Programmes:  
<http://www.polimi.it/phd>

Scholarships both on general and on specific themes are available, in accordance with the call for admission.

# **6. Contents**

## **6.1 Requirements for the PhD title achievement**

The achievement of the PhD title in Design requires a study and research activity of at least three years equivalent of full time study, research and development of PhD thesis.

PhD candidates in Design must earn a minimum of 25 course credits (see section 6.3 below), and to continuously conduct studies and research.

Upon enrollment in the Programme, to each PhD candidate both a tutor and a supervisor will be assigned by the Faculty Board. The tutor shall be a professor belonging to the Faculty Board. Tutors assist the candidates in the choice of courses to be included in the study plan that is submitted for approval to the Programme Coordinator (see also section 6.4 below). The supervisor should be a professor expert in the specific research topic addressed by the candidate. Their role is to guide candidates in the development of their research activity (see also section 6.2 below).

The Faculty Board may assign extra course credits to candidates, in case they need to complete their preparation in specific topics, relevant for their research projects.

Other requirements to obtain the PhD title are:

- Carrying out a 6-months internship in universities or research centers abroad. This requirement can also be matched attending two courses related to the candidate's specific research project (for a minimum of 10 credits). (see also section 6.2 below).
- Publishing at least two conference papers/articles in non-indexed journals (for a minimum of 10 credits). This requirement can also be matched with the publication of one article in an indexed journal (Scopus or Web of Science).

## **6.2 Research development**

The main aim of all Politecnico di Milano PhD Programmes is the acquisition by the candidates of a research-oriented mind-set, with expertise and skills in a specific research topic. To this end, candidates develop a problem-solving capability in complex contexts, including the capacity of performing deep problem analysis, identifying original solutions, and evaluating their applicability in real contexts.

These skills provide the PhD candidates with major opportunities of development in their research both in the academic field, and in public and private organisations.

PhD candidates are requested to develop an original research contribution. The PhD thesis must thus contribute to increase the knowledge in the candidate's research field. Besides, it has to be coherent with the research topics developed in the Department where the PhD Programme is carried out.

The original research results are framed and codified in the PhD thesis, where the candidate's contribution is put in perspective with respect to the specific research field.

The PhD research is developed under the guidance of a supervisor, who supports the candidate in the

setting-out and in the everyday activities related to the thesis development. The supervisor is not necessarily a member of the Faculty Board, and may also belong to an institution different from Politecnico di Milano. The supervisor can cooperate with one or more co-supervisors.

Further activities intended to develop the candidate's personal skills and research expertise are encouraged.

Candidates must acquire the capability to present and discuss their work in their research community. Consequently, both the participation to international conferences and the publication of the research results in peer-reviewed journals are encouraged.

The PhD Programme favours the candidates' research interactions with other groups in their research field, preferably abroad. Research visits of six months are strongly encouraged, as through them the candidates may acquire further skills to develop their research work. During the PhD Programme in Design all candidates are strongly recommended to engage in this activity, which is compulsory for those who are supported with a scholarship. Candidates not supported with a scholarship who, for good reasons, cannot go abroad, are permitted to substitute the internship abroad with other learning activities. In more details, they are required to attend one optional course for each 3 months of internship missing (for a maximum of two courses).

The duration of the Programme is three years.

### 6.3 Objectives and general framework of the teaching activities

Both the PhD Programmes and the PhD School offer teaching activities, including courses, seminars, project workshops, laboratories.

Lessons are held in English. Structured teaching activities allow to earn ECTS credits.

The Design PhD Programme offers:

- General teaching activities that cover the basic research issues (problems, theories, methods), which represent the founding element of the Programme and clearly identify its cultural position.
- Specialised teaching activities that deepen in a specialist way some research issues connected with the problems developed in the theses.

The PhD School of Politecnico di Milano proposes a set of courses aiming to train PhD candidates in soft and transferable skills. The skills and abilities provided by these courses are expected to help candidates across different areas of their careers in order to respond to the rapidly evolving needs of the global economy and society. At least 10 of the 25 course credits that each candidate is required to earn shall be obtained through courses organized by the PhD School.

The PhD School courses activated for the 2021-2022 Academic Year are summarized in the following table and will be available at the following link: <http://www.dottorato.polimi.it/en/during-your-phd/phd-level-courses/index.html>

<b>Trainer</b>	<b>Course title</b>
<b>Aliverti Andrea</b>	<i>Ethics in Research</i>
<b>Armondi Simonetta</b>	<i>Strengthening Critical Spatial Thinking</i>
<b>Arnaboldi Michela</b>	<i>Advanced Interaction Skills for Academic Professionals</i>
<b>Balducci Alessandro</b>	<i>Approaches to Resilience: Social, Economic, Environmental and Technological Challenges of Contemporary Human Settlements</i>
<b>Biscari Paolo</b>	<i>English for Academic Communication</i>
<b>Cardilli Lorenzo</b>	<i>European Culture</i>

<b>Chiodo Simona</b>	<i>Epistemology of Scientific and Technological Research (Technologies Reshaping Humans)</i>
<b>Di Blas Nicoletta</b>	<i>Professional Communication</i>
<b>Gianinetto Marco</b>	<i>The Copernicus Green Revolution for Sustainable Development</i>
<b>Iarossi Maria Pompeiana</b>	<i>Power of Images and Visual Communication for Research Dissemination</i>
<b>Jacchetti Emanuela</b>	<i>Communication Strategies that Score in Worldwide Academia</i>
<b>Lavagna Monica</b>	<i>Sustainability Metrics, Life Cycle Assessment and Environmental Footprint</i>
<b>Mancini Mauro</b>	<i>Project Management (in Action)</i>
<b>Masarati Pierangelo</b>	<i>Ethical Aspects of Research on Dual-Use Technologies</i>
<b>Ossi Paolo Maria</b>	<i>Sulla responsabilità della Tecnica</i>
<b>Paganoni Anna Maria</b>	<i>La comunicazione nella Scienza</i>
<b>Pizzocaro Silvia Luisa</b>	<i>Practicing Research Collaboration / La pratica della collaborazione nella ricerca</i>
<b>Raos Guido</b>	<i>Science, Technology, Society and Wikipedia</i>
<b>Sancassani Susanna</b>	<i>Teaching Methodologies, Strategies and Styles</i>
<b>Valente Giovanni</b>	<i>Scientific Reasoning: Philosophy, Logic and Applications</i>
<b>Volonte' Paolo Gaetano</b>	<i>Introduction to Academic Research</i>
<b>Zani Maurizio</b>	<i>Laboratorio di insegnamento a classi numerose</i>

The PhD Programme in Design proposes a set of 3 characterising courses aiming to introduce the PhD candidates into the basics of design research. Candidates are required to take those courses and carry out the related assignments. Professors in charge of these courses will specify the assessment procedures. Courses' Programmes and general information on teaching activities are available from the PhD Secretary's office as well as on the PhD website (<http://phd.design.polimi.it>).

Those candidates not carrying out a 6-months internship abroad are required to attend two PhD level courses provided by Politecnico di Milano and/or external Institutions for a minimum of 10 credits (see section 6.1 above).

The table below summarizes the candidate's path as regards coursework activities. At the same time, candidates are required to carry out research activity in a continuous way, following the lead of their supervisors, and of the Faculty Board.

#### *First and Second Year*

<b>Courses</b>	<b>Possible details or reference to following tables</b>	<b>Number of credits (min-max)</b>
<i>Courses characterising the PhD Programme</i>	<i>See table A</i>	<i>15</i>
<i>PhD School Courses</i>	<i>See PhD School courses above</i>	<i>10</i>

#### *Third year*

In the third year, the candidate should focus entirely to finalizing her/his research and to writing the PhD thesis.

## PHD COURSES LIST

For the admission to the final exam the acquisition of **a total of 45 Credits** is mandatory. As said, **at least 25 credits** must be obtained by attending PhD courses as described below:

**A)** The PhD Programme in Design organises the **Characterising Courses** listed in table A. The acquisition of all the **15 credits** in this list is **mandatory**.

**B)** The PhD School organises every year general and Interdoctoral courses. The acquisition of **at least 10 credits** is **mandatory**.

## PREPARATORY COURSES (when needed)

If the supervisor finds it necessary that the candidate attends preparatory courses (chosen among those activated by Politecnico di Milano), the Faculty Board of the PhD Programme will assign extra-credits to be acquired to complete the training path. These credits will be considered additional.

## SPECIALISTIC COURSES, LONG-TRAINING SEMINARS

The attendance of further Specialist Courses, Workshops, Summer/Winter Schools, Seminars is strongly encouraged. These activities will be all inserted in the study plan as “elective courses”. For elective courses, candidates will not receive an evaluation.

The scheduled course planning for the academic year 2021-2022 follows. Other courses may be activated during the year. In such case, candidates will be promptly informed, and will be allowed to insert them in their study plan.

**Table A: PHD COURSES CHARACTERISING THE PHD PROGRAMME**

<b>Name of the Course</b>	<b>Professor</b>	<b>A.Y./Semester</b>	<b>Language</b>	<b>Credits</b>
<i>Design Research Methodologies</i>	<i>Silvia Pizzocaro</i>	<i>1st/1st</i>	<i>English</i>	<i>5</i>
<i>Design Research Planning</i>	<i>Daniela Sangiorgi</i>	<i>1st/1st</i>	<i>English</i>	<i>5</i>
<i>Design Research Prototyping</i>	<i>Chiara Colombi, Manuela Celi, Jonathan Chapman</i>	<i>1st/2st</i>	<i>English</i>	<i>5</i>

## 6.4 Presentation of the study plan

PhD candidates must submit a study plan, which may be revised periodically (approximately every three months), in order to adequate it to any change in the courses’ list, or to evolving needs of their PhD career. Study plans must be approved by the PhD Programme Coordinator, according to the modalities established by the Faculty Board of the PhD Programme itself.



## 6.5 Yearly evaluations

Candidates present their work to the Faculty Board at least once a year. In particular, candidates must pass an annual assessment in order to be admitted to the following PhD year.

As a result of each successful annual assessment, candidates receive an evaluation (A/B/C/D). Candidates who do not pass the annual assessment will be qualified as “Repeating candidate” (Er) or “not able to carry on with the PhD (Ei)”. In the former case (Er), candidates are allowed to repeat the PhD year at most once. The PhD scholarship – if any – is suspended during the repetition year. In the latter case (Ei), candidates are excluded from the PhD programme and lose their scholarship – if any.

In case the Faculty Board holds appropriate to directly assign an exclusion evaluation (Ei) without a previous repetition year, the request must be properly motivated, and validated by the PhD School.

The third-year assessment establishes if the candidate can be admitted to the final PhD defense (see also paragraph 6.6). Candidates who need more time to conclude their research work and write their theses, may obtain the admission to an extra year (the fourth).

## 6.6 PhD thesis preparation

The main objective of the PhD career is the development of an original research contribute. The PhD thesis is expected to contribute to the advance of knowledge in the candidate's research field.

The PhD study and research work is carried out full time, during the three years of PhD. Stages or study periods in (Italian or International) companies or external Institutions may complete the candidate's preparation.

The resulting theses need to be coherent with the research issues developed in the Department where the PhD Programme is developed.

The candidate must present an original thesis, discuss its contribution toward the state of the art in the research field in the research community.

The PhD research is developed following the lead of a supervisor, who supports the candidate in the setting out and in the everyday activities regarding the thesis development.

At the conclusion of the PhD studies, the Faculty Board evaluates the candidate. Candidates who receive a positive evaluation submit their thesis to two external reviewers for refereeing. If the evaluation provided by the external reviewers is positive (or after the revisions required), the candidates defend their thesis in a final exam, in front of a Committee composed of three members (at least two of which must be external experts).

## 7. Laboratories, PhD Secretary Services

Laboratories for practical activities and experiments: Colour Laboratory  
Exhibit Design Laboratory Fashion Laboratory Lighting Laboratory Model Laboratory  
Movie Design Laboratory Photography Laboratory Polifactory  
Virtual prototyping-reverse modelling Laboratory

PhD Secretary Office Mrs. Simona Murina and Mrs. Paola Mosca Department of Design Phone: +39.02.2399.7245 or +39.02.2399.5934 e-mail: [segreteriaidottorato-design@polimi.it](mailto:segreteriaidottorato-design@polimi.it)

## 8. Internationalisation and inter-sectoriality

Carrying out study and research activities at external research centers is strongly recommended. Politecnico di Milano supports joint PhD paths with International Institutions, as well as Joint and Double PhD Programmes. Further information is available on the PhD School website and on the PhD Programme website.

The PhD in Design fosters relationships with international design schools, particularly those running PhD



Programmes.

In addition, the PhD Programme organises regular meetings, seminars and lectures with internationally renowned professors and experts in order to foster dialogue and debate on the latest research issues.

More specifically, the PhD Programme in Design collaborates with the following foreign universities:

<b>University Name</b>	<b>Country</b>
<i>Northeastern University</i>	<i>USA</i>
<i>ITT INSTITUTE OF DESIGN</i>	<i>USA</i>
<i>Carnegie Mellon</i>	<i>USA</i>
<i>AALTO UNIVERSITY</i>	<i>Finland</i>
<i>DELFT UNIVERSITY OF TECHNOLOGY</i>	<i>The Netherlands</i>
<i>IMPERIAL COLLEGE</i>	<i>UK</i>
<i>TONGJI UNIVERSITY</i>	<i>China</i>

Interaction with and exposure to non-academic sectors provides significant benefits to doctoral candidates as well as to research and innovation intensive employment sectors. Direct exposure to the challenges and opportunities in non-academic sectors of the economy and society at large is fostered by networking, connectivity, inter-sectoral mobility and wide access to knowledge.

# Attachment A1 – PhD Programme Coordinator

## Paola Bertola

PhD in Industrial Design and Multimedia Communication, Full Professor at Politecnico di Milano (POLIMI); Director of the PhD Design Program. Co-founder of the Fashion in Process Lab, part of the Design and Cultures research section; Faculty Member of the School of Design, POLIMI. Her research focuses on creative processes, design management and planning and design research within culture intensive industries. More recently she has been focusing on the role of design in driving digital transformation processes, with a particular focus of fashion-tech companies.

### **NATIONAL AND INTERNATIONAL ACKNOWLEDGMENTS**

2019: Outstanding Paper Award, Emerald Publishing Limited, RJTA, for “Fashion 4.0”.

2011: ADI Compasso d’Oro Price for Research.

2011: Special Selection for Cumulus Publication Series, Aalto University, for “Fashion Artisan in Design Culture. An interpretative model”.

2001: Visiting Scholarship, Illinois Institute of Technology, Chicago.

### **MEMBER OF NATIONAL AND INTERNATIONAL PEER REVIEWED JOURNALS AND EDITORIAL BOARDS**

Editor in Chief of the of book series “Fashion In Process”, Mandragora Editore, Firenze.

Member of the scientific editorial board, Fashion Practice, Taylor and Francis, London.

Member of the scientific editorial board of book series “Culture, Mode e Società”, Bruno Mondadori, Milano.

Member of the scientific editorial board of “Dune” Magazine, Flash Art Publisher, Milano.

### **MEMBER OF NATIONAL AND INTERNATIONAL STEERING COMMITTEE AND JURY**

2013-14 Member of the Jury of the INTESA SANPAOLO STARTUP INITIATIVE for Fashion and Design, international competition for Fashion-Tech startups.

2016 Member of the Jury of OPEN DESIGN ITALIA INTERNATIONAL COMPETITION for design driven innovation brands

2013-16 Member of the Steering committee: WORTH PROJECT supported by the EU Commission’s Directorate-General for Enterprise & Industry and financed under the Competitiveness and Innovation Framework Programme (CIP). Partners: UAL-LCF (UK); IFM (FR); CFE (UK); CNA/Federmoda (IT); EURATEX (BE).

2019 Member of the Jury of the LEAN FASHION STARTUP PROGRAM for Fashion Technology Accelerator

2019 Member of the COMMISSIONE DI STUDIO PER LA VALORIZZAZIONE DEL RAPPORTO TRA FORMAZIONE E CULTURA TECNICA NEL SETTORE DELLA MODA ITALIANA within the Ministero per i beni e le attività culturali, DM 08/01/2019

### **MAIN SCIENTIFIC ROLE AT POLIMI**

Since 2016 Director of the PhD Program in Design and coordinator of the international network of PhD programs in Design with Aalto University (FI), Carnegie Mellon University (US), Institute of Design (US), Imperial College (UK), TU Delft University (NE)

Since 2007 Coordinator of the program FIT@Polimi, International Joint Program with Fashion Institute of Technology (NY), which she contributed to establish

Since 2017 Member of the board POLIMI 2040, a strategic planning body, appointed by the Rector

Since 2016 School of Design Depute for international relationship with North American Universities

Since 2014 Cofounder and coordinator of the research laboratory FASHION IN PROCESS

## **PAST SCIENTIFIC ROLE AT POLIMI**

2005-11 Director of the Programs in fashion design at POLIMI which were established under her supervision (BA and MSC).

2008-13 Member of the Board of the Alta Scuola Politecnica, a school for higher education created by POLIMI and POLITO as coordinator of multidisciplinary field projects (average 18 field projects per year).

2008-14 Director of the MASTER IN FASHION DIRECTION at Milano Fashion Institute (MFI), a consortium among POLIMI, UNICATT and BOCCONI; member of the Executive Board contributing to MFI establishment.

## **TEACHING**

Since 2012: Full Professor of Industrial Design (ICAR/13) at POLIMI, she teaches in the MSC of Product Service System Design and Design for the Fashion System; in the International Master of Luxury Management and in the Executive MBA, School of Management. She coordinates the Final Design Studio DRIVING DIGITAL TRANSFORMATION BY DESIGN within the MSC in Design for the Fashion System.

Since 2020: Faculty member of DATA LIFE PROGRAM developed with the CUSP Center, New York University.

2015-19: Faculty member of the DATA SHACK PROGRAM between POLIMI and Harvard University, Institute for Applied Computational Science (IACS).

## **PRINCIPAL INVESTIGATOR (PI) IN NATIONAL AND INTERNATIONAL SCIENTIFIC GRANTS**

Value of Awarded Grants in the last 5 years with the role of PI for Politecnico di Milano:

Total awarded: € 5.197.653

POLIMI share: € 1.230.684

2021-23: PI (POLIMI Local UR) - DoCS4Design. Doctoral Courses System for Design. Call: Strategic Partnership in Higher Education co-funded by the E+ Programme of the EU. PI: P. J. Stapper, TU Delft. Partners: Tu Delft (NL); Aalto University (FI); Imperial College (UK); Carnegie Mellon University – associated partner (US); Illinois Institute of Technology – associated partner (US).

2018-21: PI - DeFINE Developing a Fashion-Tech Incubation Network for Europe. Call: COSME programme 2018. Partners: UAL-LCF ( UK); IFM (FR), EBN (BE); Inkubatorn i Borås (SE); EURATEX (BE); Media Deals (DE); CEEI Burgos (ES); Cyprus Research and Innovation Center Ltd. (GR).

2018-21: PI – Digi Mood for CCI; Digital Modules of Didactics for Development for Digital Entrepreneurship within Cultural and Creative Industries. Call: Creative Europe Programme of the EU. Partners: IFM (FR), European E Skills Association (BE); Mammut Film Srl (IT), FTA Srl (IT), Assolombarda (IT); ÉCOLE - Enti Confindustriali Lombardi per l'Educatione (IT).

2017-19: PI – FaST\_ Fashion Sensing Technologies. Designing and Developing a Data Driven tool for fashion trending– Regione Lombardia. Call: Smart Fashion and Design – Partners: CGnal, Wemange Group, 4Sigma, Dipartimento di Design POLIMI, Dipartimento DEIB POLIMI.

2014-15: PI and curator (with V.Linfante) - Research and Exhibition *THE NEW VOCABULARY OF ITALIAN FASHION* Design Dept. POLIMI – funded by Triennale di Milano Design Museum.

2013-ongoing: PI – Design ReLab. Design Reload Laboratory. Social Innovation and New Sustainable Design Languages – Design Dept. POLIMI. Partners: Community Outreach Programme (CORP), Sui&Dhaga, Reality Gives, Srujna, Mumbai, (India). Today funded by Reality Gives & Gucci Equilibrium. The project led to the foundation of the social enterprise I WAS A SARI.

2012-15: PI (POLIMI Local UR) - TEMPUS EU Program IDEA - INTER DISCIPLINARY EDUCATION AGENDA . An Essential Driver For Innovation. PI. T. Warshavski, Shenkar. Partners: Shenkar College (IL), Holon Institute of Technology (IL), Tel Aviv University (IL), Sapir Academic College (IL), NBSD (IL), MAI (IL), University of Brighton (UK); Universitat Politecnica de Valencia (ES); Mälardalen University (SE); Cologne University of Applied Sciences (DE), Material ConneXion (IT).

2005-08: PI - DESIGN RESEARCH MAPS – Design Dept. and School of Design POLIMI and Sistema Design Italia (today SID) (Compasso d’Oro Price for research 2011).

2007: PI – FASHIONPLUS. Call: Innovative Projects for Fashion System Grant Program for Companies and Young Fashion Designers (funded by Emilia Romagna Region, IT).

### **RESEARCHER (R) OR PROJECT MANAGER (PM) IN NATIONAL AND INTERNATIONAL SCIENTIFIC GRANTS**

2020-23: R - FTALLIANCE. Weaving Universities and Companies to Co-create Fashion-Tech Future Talents. Call: E+ KA2: Cooperation for innovation and the exchange of good practices - Knowledge Alliances. PI: Chiara Colombi, POLIMI. Partners: UAL-LC, (UK); Tu Delft (NL); ESTIS (FR); Höskolan i Borås (SE); Centexbel, (Belgium); PVH (NE); Decathlon Hendaye, Francia; Pespow, Padova, Italia; Stentle, (IT); Neue Labs (SE); Pauline van Dongen (NL).

2018-20: R – FASHION SEEDS, Fashion Societal, Economic & Environmental Design-led Sustainability. Call: Strategic Partnership in Higher Education funded by the E+ KA2 SP HEI. Partner: UAL-CSF (UK); Eesti Kunstiakadeemia (EE); Design School Kolding (DK).

2017-2020: R - EDU4Fashion-Tech: Interdisciplinary Curriculum for Fashion in the Digital Era. Call: Strategic Partnership in Higher Education funded by the E+ KA2 SP HEI. Partners: UAL-LCF (UK); IFM (FR), Borås University (SE).

2013-16: R - WP 3.3: INDUSTRIAL DYNAMICS AND CCIS: GROWTH THROUGH M&AS AND NEW BUSINESS MODELS in UNVEILING CREATIVITY FOR INNOVATION IN EU - Multi-disciplinary project on the significance of creativity and cultural and creative industries in Europe. PI: R. Verganti, POLIMI. Call: 7th Framework Program EU; Partners: University of Manchester (UK); Università Bocconi (IT); University of Brighton (UK), Copenhagen Business School (DK); Corvinus University of Budapest (HU); Eindhoven University of Technology (NL); National Technical University of Athens (GR); Technical University of Munich (DE); University of Gothenburg (SE); ZEW (DE).

2013-14: PM - SMART-K. CREATIVITY PROCESSES INNOVATION AND PRODUCTION/SUPPLY CHAIN INTEGRATION SYSTEM FOR KNITWEAR SECTOR THROUGH NEW VIRTUAL PROTOTYPING TOOLS AND IMMERSIVE REALITY TECHNOLOGY. PI: A. Dell’Acqua Bellavitis, POLIMI. Call: Industrial Research and Development in Strategic Sectors for Lombardy Region and Italian University and Research Minister Program (funded by Lombardy Region) – Partners: D-namic S.r.l, Cose Di Maglia S.r.l., Gulliver S.r.l., Wave Solutions, Signal S.r.l., Università Statale di Milano.

2004-06: PM – CROSS FERTILIZATION PER L'INNOVAZIONE: NUOVI STRUMENTI E STRATEGIE PROGETTUALI A SOSTEGNO DELLA COMPETITIVITÀ DEL SISTEMA MODA ITALIA. Call: PRIN MIUR. PI: Arturo Dell’Acqua Bellavitis, POLIMI.

2004-05: R and Scientific Board member- TRENDLAB. NETWORK AND TOOLS FOR TECHNOLOGICAL TRANSFER AND INNOVATION IN DESIGN ORIENTED SECTORS. PI: G. Simonelli, POLIMI. Call: Systematic Actions for Human Resources Development in Technological R&D Sector Program (funded by Lombardy Region - Social European Fund).

## Attachment A2 – PhD Faculty Board

Description of the composition of the Faculty Board

<b>Surname</b>	<b>Name</b>	<b>Affiliation</b>	<b>Scientific Disciplinary Sector</b>
<i>BERTOLA</i>	<i>Paola</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>ANZANI</i>	<i>Anna</i>	<i>Politecnico di Milano</i>	<i>ICAR/19</i>
<i>BERTOLO</i>	<i>Maresa</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>CANINA</i>	<i>Maria Rita</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>CARATTI</i>	<i>Elena</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>CASCIANI</i>	<i>Daria</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>CAUTELA</i>	<i>Cabirio</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>CELI</i>	<i>Manuela</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>CONTI</i>	<i>Giovanni Maria</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>FERABOLI</i>	<i>Maria Teresa</i>	<i>Politecnico di Milano</i>	<i>ICAR/18</i>
<i>FERRARA</i>	<i>Maria Rita</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>FERRARO</i>	<i>Venere</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>GUERRINI</i>	<i>Luca</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>LUPO</i>	<i>Eleonora</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>MAFFEI</i>	<i>Stefano</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>MAFFEIS</i>	<i>Rodolfo</i>	<i>Politecnico di Milano</i>	<i>L-ART/02</i>
<i>MARANI</i>	<i>Pietro Cesare</i>	<i>Politecnico di Milano</i>	<i>L-ART/02</i>
<i>MORTATI</i>	<i>Marzia</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>QUAGGIOTTO</i>	<i>Marco</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>RAMPINO</i>	<i>Lucia Rosa Elena</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>

<i>RICCO'</i>	<i>Dina</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>RIZZO</i>	<i>FRANCESCA</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>ROGNOLI</i>	<i>Valentina</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>ROSSI</i>	<i>Maurizio</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>SPAGNOLI</i>	<i>Alessandra</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>SPALLAZZO</i>	<i>Davide</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>VEZZOLI</i>	<i>Carlo</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>
<i>VILLARI</i>	<i>Beatrice</i>	<i>Politecnico di Milano</i>	<i>ICAR/13</i>

## Attachment A3 – PhD Advisory Board

Description of the composition of the Advisory Board

<b>Name</b>	<b>Affiliation</b>
<i>PIETER JAN STAPPERS</i>	<i>TU Delft, The Netherlands</i>
<i>WESTON BAXTER</i>	<i>Imperial College, UK</i>
<i>GUY JULIER</i>	<i>Aalto University, Finland</i>
<i>JONATHAN CHAPMAN</i>	<i>Carnegie Mellon University, USA</i>
<i>CARLOS TEXEIRA</i>	<i>IIT-Institute of Design, USA</i>