PhD School - Politecnico di Milano Regulations of the PhD Programme in:

Design

Cycle XXXIX
1. General Information

PhD School - Politecnico di Milano PhD Programme: Design Course start: September 2023

Location of the PhD Programme: Bovisa

Promoter Department: Design Scientific Disciplinary Sectors: 08C

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 globally to start a Ph.D. Program in the field of design in 1990.

A Coordinator and a Faculty Board run the Program. The Coordinator chairs the Faculty Board, coordinates the preparation of the annual Educational Syllabus and organizes the general educational activities of the Ph.D. candidates (see Attachment A1).

The Faculty Board is responsible for the Educational Syllabus and teaching and administrative activities related to the Ph.D. Program (see Attachment A2).

The Program aims at teaching Ph.D. candidates how to carry out high-quality design research. In this respect, candidates are invited to: (i) reflect on the nature of design, with its aesthetic, use, and meaning values, as well as its capability of being an agent of social change toward more sustainable systems; (ii) develop and share original design knowledge.

The Ph.D. Program hosts research projects that address the specific issues on which research is carried out in the Design Department.

3. Objectives

The Ph.D. Program intends to train designer-researchers who, addressing the problems and opportunities of contemporary society, can apply research methods to produce original design knowledge.

The curriculum lasts three years, during which both educational and research activities are provided. The Program 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 available on the Ph.D. website (http://phd.design.polimi.it).

Once enrolled, each candidate becomes a full member of a research group, within which they develop 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 specialized ones.

General activities are courses and seminars related to the design discipline and its research methods and practices. They aim to consolidate the cultural and operational background common to all the areas of design research. For this reason, the general activities are compulsory for all Ph.D. candidates.
**Specialised activities** are optional courses and seminars related to the specific research topic addressed by each Ph.D. candidate.

The Program offers Ph.D. candidates the following opportunities:

- To develop a Ph.D. thesis, working on a specific research topic as a member of a research team;
- To participate in courses and seminars on design, design research and research in general, developing competencies concerning the discipline of design and the research profession;
- To participate in workshops, developing specialist competencies, and acquiring knowledge and tools useful for their research topic;
- To engage in an internship in an international research center to verify assumptions, methods, and results of their research and consolidate their international network of relationships.

Finally, the Ph.D. Program in Design stimulates candidates to writing academic papers and participating in international conferences.

### 4. Professional opportunities and job market

The designer-researcher educated by the Ph.D. Program 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, they are also experts in knowledge management, constructive interaction among different stakeholders, and the communication of visions and proposals.

The combination of these skills is helpful in a variety of work environments, which increasingly are faced with complex challenges that the designer-researcher can effectively address and contribute to solving. More specifically:

- Universities and research centers expressly dedicated to carrying out design research
- Design agencies and design-oriented companies
- Public bodies and service companies
- Organizations for territorial development

### 5. Enrolment

#### 5.1 Admission requirements

Italian and International citizens can apply. They are requested to have graduated under the pre-existing laws D.M. 3.11.1999 n. 509, or to have a Master of Science degree under D.M. 3.11.1999 n. 509, or a Master of Science under D.M. 22.10.2004 n. 270, or a 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.

Certified knowledge of the English language is a requirement for admission. Please refer to the Ph.D. School website for details.

The admission to the Program is based on the evaluation of the candidates' curricula, motivation letters, and a report about the development of a possible Ph.D. research, which candidates will send contextually with their application to the admission announcement. Candidates should write their research proposal by choosing a specific topic from a list of suggested topics available on the website of the Ph.D. Program in Design.

#### 5.2 Admission deadlines and number of vacancies

The number of positions is indicated in the call for admission to the 39th Ph.D. cycle Programs: [http://www.polimi.it/phd](http://www.polimi.it/phd)

Scholarships on general and specific themes are available following the call for admission.
6. Contents

6.1 Requirements for the PhD title achievement
The achievement of the Ph.D. title in Design requires full-time study and research commitment of at least three years to develop a Ph.D. thesis.
Ph.D. candidates in Design must earn a minimum of 30-course credits (see section 6.3 below) and continuously conduct studies and research.
Upon enrollment in the Program, the Faculty Board assigns both a tutor and a supervisor to each candidate. The tutor shall be a professor belonging to the Faculty Board. Tutors assist the candidates in choosing courses to be included in the study plan submitted for approval to the Program 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 developing their research activity (see also section 6.2 below).
The Faculty Board may assign extra course credits to candidates if they need to complete their preparation in specific topics relevant to their research projects.
Other requirements to obtain the Ph.D. title are:
- Carrying out a 6-months internship in universities or research centers abroad. This requirement can also be matched by attending two courses related to the candidate’s specific research project (for a minimum of 10 credits). (see also section 6.2 below).
This requirement does not apply to Executive candidates whose study plan, therefore, contains 10 credits less.
International candidates will be asked to demonstrate knowledge of the Italian language, equal to at least A1 level of the Common European Framework of Reference for the knowledge of languages. This requirement will be needed in order to register for the final exam. Italian native speakers and all those who can demonstrate knowledge of the Italian language to the required level will be exempt.

6.2 Research development
The Politecnico di Milano Ph.D. Programs aim for the candidates to acquire a research-oriented mindset with expertise and skills in a specific research topic. To this end, candidates are taught to 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 Ph.D. candidates with significant development opportunities in their research both in the academic field and in public and private organizations.
Ph.D. candidates are requested to develop an original research contribution. The Ph.D. thesis must thus contribute to increasing the knowledge in the candidate's specific research field. Besides, it must be coherent with the research topics developed in the Department where the Ph.D. Program is carried out. The research results are framed and codified in the Ph.D. thesis, where the candidate's contribution is put in perspective for the specific research field.
The Ph.D. research is carried out under the guidance of a supervisor, who supports the candidate in all 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 are encouraged to develop the candidate’s skills and research expertise.
Candidates must acquire the capability to present and discuss their work in their research community. Consequently, participation in international conferences and publication of the research results in peer-reviewed journals are strongly encouraged.
The Ph.D. Program favors 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 different skills to develop their research work. An internship abroad is
compulsory for those supported with a scholarship. Candidates not supported with a scholarship who, for good reasons, cannot go abroad are permitted to substitute the internship with other learning activities. In more detail, they are required to attend one optional course for every three months of internship (for a maximum of two courses). The minimum duration of the Program is three years.

6.3 Objectives and general framework of the teaching activities
Both the Ph.D. Programs and the Ph.D. School offer teaching activities, including courses, seminars, and workshops. Lessons are held in English. Structured teaching activities allow earning ECTS credits.

The Design Ph.D. Program offers:
· **General teaching activities** that cover the research issues (in terms of theories, methods), which represent the founding element of the Program and identify its cultural position.
· **Specialised teaching activities** that deepen some research issues connected with the problems developed in the theses.

The Ph.D. School of Politecnico di Milano proposes a set of courses aiming to train Ph.D. candidates in soft and transferable skills. The abilities provided by these courses are expected to help candidates across different areas of their careers to respond to the rapidly evolving needs of the global economy and society. At least 10 of the 30-course credits that each candidate must earn shall be obtained through courses organized by the Ph.D. School.

The Ph.D. School courses activated for the 2023-2024 Academic Year are summarized in the following table and will be available at the following link:
https://www11.ceda.polimi.it/manifestidott/manifestidott/controller/MainPublic.do?check_params=1 &k_corso_la=1300&__pj0=0&__pj1=bfde6169b746e9d5176b5bef5fe352728

<table>
<thead>
<tr>
<th>Professor</th>
<th>Course name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliverti Andrea</td>
<td>Ethics in Research</td>
</tr>
<tr>
<td>Armondi Simonetta</td>
<td>Strengthening Critical Spatial Thinking</td>
</tr>
<tr>
<td>Arnaboldi Michela</td>
<td>Advanced Interaction Skills for Academic Professionals</td>
</tr>
<tr>
<td>Biscari Paolo</td>
<td>English for Academic Communication</td>
</tr>
<tr>
<td>Biscari Paolo</td>
<td>Industrial Skills</td>
</tr>
<tr>
<td>Biscari Paolo</td>
<td>Scientific Communication in English</td>
</tr>
<tr>
<td>Brunetto Domenico Savio</td>
<td>Innovative Teaching Skills</td>
</tr>
<tr>
<td>Canina Maria Rita</td>
<td>Creative Design Thinking</td>
</tr>
<tr>
<td>Cardilli Lorenzo</td>
<td>European Culture</td>
</tr>
<tr>
<td>Di Blas Nicoletta</td>
<td>Professional Communication</td>
</tr>
<tr>
<td>Fuggetta Alfonso</td>
<td>Project Management Basics</td>
</tr>
<tr>
<td>Iarossi Maria Pompeiana</td>
<td>Power of Images and Visual Communication for Research Dissemination</td>
</tr>
<tr>
<td>Conci Claudio</td>
<td>Communication Strategies that Score In Worldwide Academia</td>
</tr>
<tr>
<td>Lavagna Monica</td>
<td>Sustainability Metrics, Life Cycle Assessment and Environmental Footprint</td>
</tr>
<tr>
<td>Mancini Mauro</td>
<td>Project Management (In Action)</td>
</tr>
<tr>
<td>Masarati Pierangelo</td>
<td>Ethical Aspects of Research on Dual-Use Technologies</td>
</tr>
<tr>
<td>Oppio Alessandra</td>
<td>How To Support Complex Decisions: Approaches and Tools</td>
</tr>
</tbody>
</table>
The Ph.D. Program in Design proposes a set of 3 characterizing courses aiming to introduce the Ph.D. candidates to design research basics. Candidates are required to take these courses and carry out the related assignments. Professors in charge of these courses will specify the assessment procedures. Courses’ syllabus and general information on teaching activities are available from the Ph.D. Secretary’s office as well as on the Ph.D. website (http://phd.design.polimi.it). Those candidates not carrying out a 6-months internship abroad must attend two courses provided by Politecnico di Milano and/or external Institutions for a minimum of 10 credits (see section 6.1 above). This requirement does not apply to Executive candidates.

The table below summarizes the candidate’s path as regards coursework activities. At the same time, candidates must carry out research activities continuously, following the lead of their supervisors and the Faculty Board.

**First and Second Year**

<table>
<thead>
<tr>
<th>Courses characterizing the PhD Programme</th>
<th>Possible details or reference to following tables</th>
<th>Number of credits (min-max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD School Courses</td>
<td>See the list of courses offered by the Ph.D. School (link above)</td>
<td>10</td>
</tr>
<tr>
<td>Courses characterizing the PhD Programme</td>
<td>See table A</td>
<td>20</td>
</tr>
</tbody>
</table>

**Third year**

In the third year, the candidates should focus entirely on finalizing their research and writing the Ph.D. thesis.

**PH.D. COURSES LIST**

For admission to the final exam, acquiring a total of 40 Credits is mandatory, except for Executive candidates who are required to obtain 30 credits since they are not obliged to do a 6-months internship abroad. As said, candidates must obtain at least 30 credits by attending Ph.D. courses as
described below:

A) The Ph.D. Program in Design organizes the Characterizing Courses listed in table A. The acquisition of all the 20 credits in this list is mandatory.

B) The Ph.D. School organizes 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 Ph.D. Program will assign extra credits to be acquired to complete the training path. These credits will be considered additional.

SPECIALISTIC COURSES, LONG-TRAINING SEMINARS
Attendance of further specialist courses, workshops, summer/winter schools, and seminars is strongly encouraged. These activities will be inserted into the study plan as “elective courses.” For elective courses, candidates will not receive an evaluation.

The scheduled course planning for the academic year 2023-2024 follows. Other courses may be activated during the year. In such a case, candidates will be promptly informed and allowed to insert them into their study plan.

Table A: COURSES CHARACTERISING THE PH.D. PROGRAM

<table>
<thead>
<tr>
<th>Course name</th>
<th>Professor</th>
<th>A.Y./Semester</th>
<th>Language</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Research Methodologies</td>
<td>Silvia Luisa Pizzocaro</td>
<td>1st/1st</td>
<td>English</td>
<td>5</td>
</tr>
<tr>
<td>Design Research Planning</td>
<td>Davide Spallazzo</td>
<td>1st/1st</td>
<td>English</td>
<td>5</td>
</tr>
<tr>
<td>Design Research Prototyping</td>
<td>Chiara Colombi</td>
<td>1st/2st</td>
<td>English</td>
<td>5</td>
</tr>
<tr>
<td>Scientific Production</td>
<td>Marzia Mortati</td>
<td>1st/2st</td>
<td>English</td>
<td>5</td>
</tr>
</tbody>
</table>
6.4 Presentation of the study plan

At the beginning of their path, Ph.D. candidates must submit a study plan, which can be revised periodically (approximately every three months) to address changes in the courses list or evolving career needs. Study plans must be approved by the Ph.D. Program Coordinator, according to the modalities established by the Faculty Board.

6.5 Yearly evaluations

Candidates present their work to the Faculty Board at least once a year. Moreover, candidates must pass an annual assessment to be admitted to the following Ph.D. 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 can repeat the Ph.D. year at most once. The Ph.D. scholarship – if any – is suspended during the repetition year. In the latter case (Ei), candidates are excluded from the Ph.D. Program and lose their scholarship – if any.

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

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

6.6 Ph.D. thesis preparation

The main objective of the Ph.D. career is the development of original research contributions. The Ph.D. thesis is expected to contribute to advancing knowledge in the candidate’s research field.

The Ph.D. is carried out full-time for three years. Internships or study periods in (Italian or International) universities, institutions, or companies may complete the candidate’s preparation.

The resulting theses need to be coherent with the research issues developed in the Department where the Ph.D. Program is developed.

The candidate must present an original thesis that discusses the contribution to the research field’s state of the art.

The Ph.D. research is developed following the lead of a supervisor.

At the conclusion of the Ph.D. studies, the Faculty Board evaluates the candidate. Candidates who receive a positive evaluation submit their thesis to two external reviewers for refereeing. If the assessment provided by the external reviewers is positive (o 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, Ph.D. Secretary Services

Laboratories for practical activities and experiments:
Colour Lab; Ed-Me Lab (Environmental Design and Multisensory Experiences); Exhibit Design Lab; Fashion Design Lab; Lighting Lab; Model Lab; Movie Design Lab; Photography Lab; Polifactory; Virtual prototyping-reverse modelling Lab.

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: segreteriadottorato-design@polimi.it
8. Internationalization and inter-sectoriality
Carrying out study and research activities at external research centers is strongly recommended. Politecnico di Milano supports joint Ph.D. paths with International Institutions and Joint and Double Ph.D. Programs. Further information is available on the Ph.D. School website and on the Ph.D. Program website.
The Ph.D. in Design fosters relationships with international design schools, particularly those running Ph.D. Programs.
In addition, the Ph.D. Program organizes regular seminars and lectures with internationally renowned professors and experts to foster dialogue and debate on the latest research issues.
More specifically, the Ph.D. Program in Design collaborates with the following foreign universities:

<table>
<thead>
<tr>
<th>University Name</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeastern University</td>
<td>USA</td>
</tr>
<tr>
<td>ITT INSTITUTE OF DESIGN</td>
<td>USA</td>
</tr>
<tr>
<td>Carnegie Mellon</td>
<td>USA</td>
</tr>
<tr>
<td>AALTO UNIVERSITY</td>
<td>Finland</td>
</tr>
<tr>
<td>DELFT UNIVERSITY OF TECHNOLOGY</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>IMPERIAL COLLEGE</td>
<td>UK</td>
</tr>
<tr>
<td>TONGJI UNIVERSITY</td>
<td>China</td>
</tr>
</tbody>
</table>

Direct exposure to the challenges and opportunities in non-academic sectors of society is fostered by networking, connectivity, inter-sectoral mobility, and broad access to knowledge. Indeed, interaction with and exposure to non-academic sectors benefits doctoral candidates.
Lucia Rampino

Architect and Ph.D. in Industrial Design. Full Professor at the Design Department of Politecnico di Milano.

Her core field of research is product design, with a focus on theories of design and the nature of design processes, particularly as they pertain to product innovation. In this area, she has delved into the following research topics: Design in Large Enterprises; Design for SMEs; Design Thinking; Design for new Entrepreneurship. Since 2011, her attention has concentrated on interactive artifacts’ opportunities to create an engaging user experience. Specific research topics she has addressed in this field are Aesthetics of Interaction, Product’s Multi-Sensory Language, and Design for Behaviour Change. Recently, she has focused her research activities on the impact of Artificial Intelligence on both the design process and the designed artifact.

Knowledge creation and transfer in the design discipline complete her research interests. She has published widely on these topics, mainly in English.

MAIN ROLES AT POLIMI
She is on the Design Ph.D. Faculty since 2009. In January 2022, she was appointed as the Ph.D. Program Coordinator.
Since 2022 – Designated Member of the Design Department Scientific Board
Since 2019 - Responsible of the Design School for the Double Degree Program with Xi'An Jiao Tong University (PRC)

PAST ROLES AT POLIMI
2018/2022 - Project Manager of the MUR co-financed Project "Dipartimenti di Eccellenza" for the Design Department
2018/2021 - Vice-Coordinator of Faculty Council of the Doctoral Program in Design
2020/2021 and 2013/2014 - Designated member of the Design Department Steering Committee (i.e. Giunta di Dipartimento)
2017/2019, 2014/2016 - Elected Member of the Design Department Scientific Board (i.e. Commissione Scientifica)

TEACHING
Since 2020: Full Professor of Industrial Design (ICAR/13) at POLIMI.
She teaches at the School of Design, in the MSC of “Design & Engineering” and the Bachelor Program “Design del Prodotto Industriale.”
She also teaches at POLI.Design in the International Masters in "Industrial Design, Engineering and Innovation" and in "Industrial Design for Architecture."

MEMBER OF INTERNATIONAL CONFERENCES COMMITTEE
She has organized and co-chaired various international conferences.
Since January 2015 she is a permanent member of the Scientific Committee of the International Conference “DeSForM. Design and Semantics of Forms and Movements”. The twelfth edition, DeSForM2023, is going to be held at the Hong Kong Polytechnic (PRC).
2023 – “Eksig - From Abstractness to Concreteness - experiential knowledge and the role of prototypes in design research”, Member of the Conference Scientific Committee
2015 – Cumulus Milan 2015. The Virtuous Circle. Design Culture and Experimentation. Member
of the Conference Program Committee


2008 - Design to Business. Member of the Conference Advisory Board. 2006 - Design to Business. Member of the Conference Advisory Board.

ADVISOR ON PHD THESES AT POLITECNICO DI MILANO, DOCTORAL PROGRAM IN DESIGN

Al in the Design Process
PhD Student: Fabio Figoli, Doctoral Program in Design, Edition XXXVIII

User Acceptance Implications of HMI in Autonomous Vehicles
PhD Student: Ming Yang, Doctoral Program in Design, Edition XXXVI

Aesthetic strategies to foster user's critical thinking in intelligent-systems-users interaction.
PhD Student: Gabriele Barzilai, Doctoral Program in Design, Edition XXXIV

InterM&Dia Interaction as a dialogue based on materiality
PhD Student: Sara Bergamaschi. Dissertation defended on March 7, 2017

Sensory Experiences. Informing, Engaging, and Persuading through Dynamic Products
PhD Student: Sara Colombo, Dissertation defended March 24, 2014, cum laude

Product Semantics for Eco-efficiency: Redesigning Product Characters to Communicate Eco-efficiency in Home Appliances
PhD Student: Shujoy Chakraborty, Dissertation defended September 28, 2012, cum laude

RECENT RESEARCH PROJECTS
She has taken part in 17 national and European co-financed research projects. In 6 of them, she has been the Project Leader for the Design Department. Moreover, she has participated in various privately financed research activities.

December 2020 - November 2023
DocS4Design. Doctoral Courses System 4 Design
Research financed by the EU - ERASMUS+ Programme, Strategic Partnerships for higher education

July 2017- December 2018
Mobile-Stekio, Extreme efficiency digital gas cooktop for campers, caravans and yachts
Research co-financed by the EU - Executive Agency for SMEs under the call COS-2015-DESIGN-2, DESIGN- BASED CONSUMER GOODS

October 2016-September 2018
Greenrail, innovative and sustainable railway sleepers: the greener solution for railway sector
Research co-financed by the European Union under the Horizon 2020 dedicated SME Instrument, Phase 2.

September 2017- August 2018
InnoCult 2018 “Centre of Excellence for Cultural and Creative Innovations in Lithuania”
Research co-financed by the EU under the H2020-EU.4.a. - Teaming of excellent research institutions and low performing RDI regions.

NATIONAL AND INTERNATIONAL ACKNOWLEDGMENTS

2019 – XXII Triennale di Milano Exhibition - selected project
The project “Mobile STEKIO - Extreme efficiency digital gas cooktop for campers, caravans and yachts” is selected for the XXII Triennale di Milano “Broken Nature – Design takes on Human Survival” and exhibited in the Italia Pavilion, “4 Elements - Taking care”.

2008 - DME Award
The “Erasmus Intensive Programme 2007-2009. A multidisciplinary approach to product innovation” is selected for the 2008 DME Award, Category: Non-profit organizations

2004 - Compasso d’Oro Award
The research project "Trend innovativi nel settore delle attrezzature per il lavoro intellettuale – Design per gli spazi di lavoro: ambiente, energia, nuove tecnologie per l'innovazione nell'ufficio" is nominated for Edition XX Compasso d'Oro Award in the category "Theoretical Research and Design Studies".
**Attachment A2 – PhD Faculty Board**

Description of the composition of the Faculty Board

<table>
<thead>
<tr>
<th>Surname</th>
<th>Name</th>
<th>Affiliation</th>
<th>Scientific Disciplinary Sector</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAMPINO</td>
<td>Lucia</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
</tr>
<tr>
<td>BERTOLA</td>
<td>Paola</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
</tr>
<tr>
<td>ANZANI</td>
<td>Anna</td>
<td>Politecnico di Milano</td>
<td>ICAR/19</td>
</tr>
<tr>
<td>BERTOLO</td>
<td>Maresa</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
</tr>
<tr>
<td>CANINA</td>
<td>Maria Rita</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
</tr>
<tr>
<td>CARATTI</td>
<td>Elena</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
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<td>CAUTELA</td>
<td>Cabirio</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
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<td>CELI</td>
<td>Manuela</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
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<td>CONTI</td>
<td>Giovanni Maria</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
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<td>FERABOLI</td>
<td>Maria Teresa</td>
<td>Politecnico di Milano</td>
<td>ICAR/18</td>
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<td>FERRARA</td>
<td>Maria Rita</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
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<td>Venere</td>
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<td>GUERRINI</td>
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<td>ICAR/13</td>
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<tr>
<td>LUPO</td>
<td>Eleonora</td>
<td>Politecnico di Milano</td>
<td>ICAR/13</td>
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<td>MAFFIEI</td>
<td>Stefano</td>
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<td>ICAR/13</td>
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<tr>
<td>MAFFEIS</td>
<td>Rodolfo</td>
<td>Politecnico di Milano</td>
<td>L-ART/02</td>
</tr>
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<td>Anna</td>
<td>Politecnico di Milano</td>
<td>L-ART/03</td>
</tr>
<tr>
<td>MORTATI</td>
<td>Marzia</td>
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<td>Beatrice</td>
<td>Politecnico di Milano</td>
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## Attachment A3 – PhD Advisory Board

Description of the composition of the Advisory Board

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<tr>
<td>WESTON BAXTER</td>
<td>Imperial College, UK</td>
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<tr>
<td>GUY JULIER</td>
<td>Aalto University, Finland</td>
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<td>JONATHAN CHAPMAN</td>
<td>Carnegie Mellon University, USA</td>
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<tr>
<td>CARLOS TEXEIRA</td>
<td>IIT-Institute of Design, USA</td>
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