

CURRICULUM VITAE

TRAINING, TEACHING AND RESEARCH

Fabio Antonio Figoli

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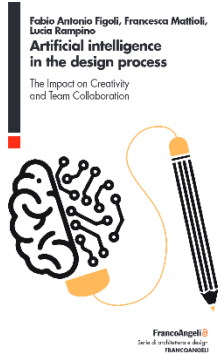
1. Formal Education

Since Nov 2022	PhD Candidate in the Design Research Department of Design, Politecnico di Milano, Milan, Italy.
Sep 2019 – Dec 2021	Master of Science Degree in Design & Engineering School of Design, Politecnico di Milano, Milano, Italy. 110/110. <i>Thesis:</i> "Artificial Intelligence in the idea development stages of the design process: a focus on AI impact on human creativity and team collaboration". <i>Supervisor:</i> Lucia Rampino. <i>Co-Supervisor:</i> Francesca Mattioli
Sep 2016 – Jul 2019	Bachelor of Science Degree in Product Design School of Design, Politecnico di Milano, Milano, Italy. 103/110.
2016	Secondary School Scientific Diploma Liceo Scientifico P. Bottoni, Milano, Italy.

2. Publications

Books

2022



Figoli F.A., Mattioli F., & Rampino L.

“Artificial intelligence in the design process: The Impact on Creativity and Team Collaboration”

FrancoAngeli s.r.l., Serie di architettura e design.

ISBN e-book: 9788835134640

Papers Published in International Conferences Proceedings

DRS - 2022



Figoli F.A., Mattioli F., & Rampino L.

“AI in design idea development: a workshop on creativity and human-AI collaboration”

DOI: 10.21606/drs.2022.414

Presenter: Figoli F.A.

EPDE - 2022



Figoli F.A., Mattioli F., & Rampino L.

“AI in the design process: training the human-AI collaboration”

DOI: 10.35199/EPDE.2022.61

Presenter: Figoli F.A.

3. Research Experience

Mar 2022 – Apr 2022

Jun 2022 – Jul 2022

Research Fellow (incarico di collaborazione occasionale) at Politecnico di Milano, involved in the project DoCS4Design funded by the EU, Erasmus+ program.

Coordinator: TU Delft Graduate School, Faculty of Industrial Design Engineering - Delft University of Technology.

Partners: PhD program in Design, Department of Design - Politecnico di Milano | Doctoral Programme of Aalto School of Art, Design and Architecture - Aalto University | PhD in Design Engineering, Dyson School of Design Engineering - Imperial College.

Associated Partners: PhD in Transition Design, School of Design - Carnegie Mellon | PhD in Design, Institute of Design, IIT Illinois Institute of Technology.

Goal: DoCS4Design is an Erasmus+ Strategic Partnerships for higher education research project that aims at amplifying the impact of the design discipline in society through PhD level education.

Main tasks:

- Design of the “WunderLibrary” digital platform.

In particular:

- Searching and indexing metadata from PhD theses in design over the last 10 years from the 6 Partner Universities of the project (TU Delft, Aalto, London Imperial College, IIT Chicago, Carnegie Mellon).
- Extracting the “WunderLibrary” keywords from the collected metadata.
- Defining a list of essential keywords for OERs searches within the platform.

May 2022 – Oct 2022

Research Fellow (assegno di ricerca from 1/09/2022) involved in the “Project Italy-Azerbaijan University” (ADA).

Goal: Development of a bachelor's degree product design programme for ADA University, based in Baku, Azerbaijan.

The initiative includes different levels of collaboration, from the design of study courses to the recruitment and development of the faculty, from the creation of educational workshops to the establishment of an innovation and creativity center.

Main Tasks:

- Preliminary studies.
- Writing up.

In particular:

- Collect and analyse data of the top ten Design Universities according to QS rankings 2022.
- Analyse the gathered data in order to find new proposals for the course programme.
- Present to the team the research progresses weekly.

12 Oct – 15 Oct 2021

Attendant of the Erasmus+ DoCS4Design project meeting and workshop held in TU Delft.

Goal: Data gathering and Finalisation of the first DoCS4Design project (KPM1) output.

Main Tasks:

- Assist in organizing and executing a workshop involving project Partners and PhD supervisors.
- Attend daily partner meetings.

Mar 2021 – May 2021

Intern at Politecnico di Milano, involved in the project DoCS4Design funded by the EU, Erasmus+ program.

Coordinator: TU Delft Graduate School, Faculty of Industrial Design Engineering - Delft University of Technology.

Partners: PhD program in Design, Department of Design - Politecnico di Milano | Doctoral Programme of Aalto School of Art, Design and Architecture - Aalto University | PhD in Design Engineering, Dyson School of Design Engineering - Imperial College

Goal: DoCS4Design is an Erasmus+ Strategic Partnerships for higher education research project that aims at amplifying the impact of the design discipline in society through PhD level education.

Main tasks:

- Literature review of OERs repositories in general, and those related to PhD in design

In particular:

- Idea development and design of the online open repository ("Wunderlibrary").
- OERs identification and selection.

18 Oct 2021

Workshop session for the MSc Thesis "Artificial Intelligence in the idea development stages of the design process: a focus on AI impact on human creativity and team collaboration"

The workshop involved 16 Master of Science Degree students in Design & Engineering.

Goal: Testing collaboration in synthetic groups composed of human and AI agents under different conditions. Especially comparing continuous and discontinuous collaboration.

4. Teaching Experience

Since AY 2022-2023

Teaching assistant of the course Final Project Work, School of Design, Politecnico di Milano, Milan.

Second Year Studio of the Master of Science Degree in Design & Engineering.

Leading Professor: Giacomo Wilhelm.

Main tasks:

- Be the point person for students during the course.
- Guide and assist students' design development through weekly reviews.
- Assist professors with students' evaluations.
- Assist professors with course organization.

Since AY 2021-2022

Teaching assistant of the course Industrial Product Design Studio, School of Design, Politecnico di Milano, Milan.

Second Year Studio of the Bachelor of Science Degree in Product Design.

Leading Professor: Matteo Ingaramo.

Main tasks:

- Be the point person for students during the course.
- Guide and assist students' design development through weekly reviews.
- Assist professors with students' evaluations.
- Assist professors with course organization.

Since AY 2021-2022

Teaching assistant of the Design Theory and Practice (previously Design Thinking and Processes), School of Design, Politecnico di Milano, Milan.

First Year of the Master of Science in Design & Engineering.

Leading professor: Lucia Rampino.

Main tasks:

- Assist professors with students' evaluations.
- Assist professors with course organization.

5. Other Experience

Jun 2017 – Aug 2017	<p>Intern at Technical Department of Forgiatura Moderna Arese, Arese (MI).</p> <p><i>Main Tasks:</i></p> <ul style="list-style-type: none"> • Design components for the energetic sector. • Physical and digital categorization of components.
Since Aug 2021	<p>Football Assistant Coach for the S.S.D. Ausonia first team.</p>
Aug 2018 – May 2020	<p>Football First Coach for the A.S.D. Alcione U11 Team.</p> <p>Football Assistant Coach for the A.S.D. Alcione U17 & U15 Team.</p>

6. Skills

Language Proficiency	<p>Italian – Native</p> <p>English - Fluent (C1: TOEIC = 985/990)</p> <p>Spanish - Native</p>
Software proficiency	<p>Advanced knowledge of Microsoft Office.</p> <p>Good knowledge of graphic software: Indesign, Illustrator, Photoshop, Premiere.</p> <p>Knowledge of CAD systems: SolidWorks, Inventor, Creo, Alias, AutoCAD.</p> <p>Good knowledge of rendering software: Keyshot.</p>
Social Skills	<p>Coming from Venezuela and growing up in a city like Milano, I was accustomed to acknowledging the value of relating to different cultures since childhood. This helped me a lot during my university years when I was constantly expected to collaborate with peers coming from all around the world and with unique backgrounds.</p> <p>Playing football at high levels also deeply impacted my social skills. Being aware of your role inside a team, sharing a common goal, committing as a collective, maintaining a positive mindset, and compromising for the well-being of the group all come from my football experience. Moreover, having shared the locker room with teammates even much older than me has improved my ability to relate to people of different ages from my own.</p> <p>At last, Thanks to my experience as a football coach I know what it means to be a point person within a team.</p>
Organisational skills and competences	<p>Over the years I have often pursued multiple activities simultaneously, mostly study and sports. This caused a significant reduction in the daily free time at my disposal, which got me used to plan all my tasks precisely, in advance, and in the most efficient way to obtain the best possible results. This capacity led me to frequently cover organizational roles within teams almost naturally.</p>

	My experience as a football coach also gave me the chance to test several times my managerial skills and how to relate to a group of people from a leading position.
Artistic skills and competences	I consider Arts and Music an essential part of my life. when approaching an artwork, what excites me is to discover and understand the idea from which it came. the underlying concept that drives the entire work. This has accustomed me to critically analyse an art object and to always look for what is behind or untold. I try to transport this concept in my art activities, in particular photography, video editing, and drawing.

CV updated 24/02/23

I authorise the use of my personal data in compliance with Legislative Decree n. 196, 30th of June 2003.

Autorizzo al trattamento dati ai sensi del GDPR 2016/679 del 27 aprile 2016 (Regolamento Europeo relativo alla protezione delle persone fisiche per quanto riguarda il trattamento dei dati personali).

Autorizzo la pubblicazione del Curriculum Vitae sul sito istituzionale del Politecnico di Milano (sez. Amministrazione Trasparente) in ottemperanza al D. Lgs n. 33 del 14 marzo 2013 (e s.m.i.).

Date and Signature
