

Mattia Galimberti

WORK EXPERIENCES

Oct 2024 – Current

Postdoctoral Researcher

University of Bergamo (Dalmine, Bergamo)

- PRIN project TechFact: Design and adoption of Teaching Factories, Learning Spaces and Learning Activities for fostering the education of a responsible generation of engineers and technical students.

May 2021 – Sept 2021

Research scholarship

University of Bergamo (Dalmine, Bergamo)

- Development of a simulation model aiming at defining the best strategy for the production scheduling of a new machine to be acquired by a company.

Oct 2020 - Mar 2021

Stage – Production engineer

Same Deutz-Fahr Italia S.p.A. (Treviglio, Bergamo)

- Development of an optimization and re-layout project of a cabin production line, using the simulation software “FlexSim” for the analysis of the different scenarios.

Apr 2018 – Jun 2018

Stage – Design engineer

Dimasimma Intralogistic S.r.l. (Spilamberto, Modena)

- 3D design and modelling of an automated guided vehicle, using the software “Inventor”.

EDUCATION

Oct 2021 – Feb 2025

PhD – Technology, Innovation and Management

University of Bergamo (Dalmine, Bergamo)

- Thesis: “A two-level assessment framework to foster sustainable servitization: applications in the steel industry”.

Sept 2018 – Mar 2021

Master’s degree in mechanical engineering

Final grade: 110/110 cum laude (highest possible grade in the Italian system)

University of Bergamo (Bergamo, Italy)

- Thesis: “A re-layout and optimization project by simulating an assembly line for tractor cabs: the Same Deutz-Fahr case”.

Sept 2019 - Feb 2020

Erasmus Plus

Czech Technical University (Prague, Czech Republic)

Sept 2013 - Jul 2018

Bachelor’s degree in mechanical engineering

Final grade: 90 / 110

Polytechnic University of Milan (Milan, Italy)

- Thesis: “Study and preliminary design of an automated-guided vehicle”.

Sept 2008 - Jul 2013

Scientific high school diploma

Scientific high school Lorenzo Mascheroni (Bergamo, Italy)

FURTHER EDUCATIONAL ACTIVITIES

Nov 2021 – Dec 2021

PhD School on Entrepreneurship in the Circular Economy
Katholieke Universiteit Leuven (Leuven, Belgium)

- A PhD course with the aim of applying circular economy concepts to the technology sector.

Oct 2021 – Nov 2021

Steelmaster 2021 XXIV Edizione
Rina S.p.A. (Genova, Italy)

- A high-level course with the aim of providing participants with the tools and methodologies to draw a complete picture of the steel industry at national, European and world level.

TEACHING ACTIVITIES

Mar 2022 – Jun 2024

Progettazione degli impianti
University of Bergamo (Bergamo, Italy)

- University tutor for the course held in Italian. The course provides tools for the selection, design and construction of industrial production factories, with a specific focus on discrete event simulation.

Mar 2022 – Jun 2024

Industrial plant design and simulation
University of Bergamo (Bergamo, Italy)

- University tutor for the course held in English. The course provides tools for the selection, design and construction of industrial production factories, with a specific focus on discrete event simulation.

Feb 2023 – May 2023

Gestione della produzione industriale
University of Bergamo (Bergamo, Italy)

- University tutor for the course held in Italian. The course provides basic knowledge related to production systems and methods of production planning, scheduling and control.

Oct 2022 – Jan 2024

Industrial asset management
University of Bergamo (Bergamo, Italy)

- University tutor for the course held in English. The course aims to provide the capability of understanding, analysing, and evaluating the issues related to the management of industrial assets with a strong focus on maintenance.

Nov 2021 - Dec 2024

Tecnico superiore service manager automotive
Fondazione ITS academy LAST (Verona)

- Teacher in a 12-hour course about discrete event simulation and FlexSim basics.
- Teacher in a 12-hour course about mapping processes and services

LANGUAGES

Italian Mother tongue

	Listening	Reading	Speaking	Writing
English	C1	C1	C1	C1

SKILLS

Computer skills

- I have a good command of Windows and macOS operating systems. I have a good knowledge of Microsoft Word, Excel and Power Point.
- During the experience in Same Deutz-Fahr and working on my research scholarship, I acquired a good knowledge of FlexSim: a discrete event simulation software which I used to analyse different scenarios and extrapolate useful data for the realisation of both projects.
- Developing my PhD project, I acquired basic notions of AnyLogistix.
- In the university context I acquired basic notions of C, C ++ and Matlab.
- Thanks to some university courses and my internship experience at Dimasimma Intralogistic S.r.l., I have acquired good knowledge in the use of CAD 3D Inventor, SolidEdge and SolidWorks, in addition to CAD 2D AutoCAD.

Other skills

My PhD experience has given me the opportunity to refine a few characteristics that I believe set my professional profile distinctive. Participating in academic events, teaching activities, and presenting results at conferences have all helped me to improve my communication abilities in both Italian and English. As my PhD progressed, I assumed increasingly responsible roles, including supervising students and actively participating in research or consulting projects for businesses across various industries. This helped me develop my time and resource management skills and gained valuable experience.

Driving License B

**SCIENTIFIC
PUBLICATIONS**

- Galimberti, M., Cimini, C., Cavalieri, S. "Sustainability in Servitization: A Review of Assessment Methodologies for the Steel Sector". 18th IFAC Symposium on Information Control Problems in Manufacturing – INCOM
- Galimberti, M., González Chávez, C. A., Despeisse, M., Cimini, C., West, S. "Asset lifecycle management and digital servitization: A case study in machining". IFIP International Conference on Advances in Production Management Systems 2024 – APMS
- Arioli, A., Galimberti, M., Sala, R., Cimini, C., Pirola, F., Pezzotta, G. "Product-centric or product-service design? Design for sustainability strategies in the manufacturing field". XXIX Summer School "Francesco Turco" 2024
- Galimberti, M., Cimini, C., Copani G., Cavalieri, S. "A sustainability-oriented tool for evaluating servitization business models in the steel sector". 5th International Conference on Industry 4.0 and Smart Manufacturing 2023.
- Galimberti, M., Cimini, C., Copani G., Cavalieri, S. "Towards sustainability in the steel sector: identifying criteria for assessing early design servitization opportunities". XXVIII Summer School "Francesco Turco" 2023.
- Galimberti, M., Cimini, C., Cavalieri, S. "Servitization Opportunities for Improving Sustainability in the Steel Industry". International Symposium on Industrial Engineering and Automation 2023.
- Galimberti, M., Cimini, C., Copani, G., Malfa, E., Cavalieri, S. "Technologies and challenges for sustainable steel production: an overview". XXVII Summer School "Francesco Turco" 2022.
- Lagorio, A., Cimini, C., Piffari, C., Galimberti, M., Pirola, F., Pinto, R. "Operationalisation and validation of a Human Factors-based decision support framework for technology adoption in the logistics sector". International Journal of Production Research 2023.
- Cimini, C., Lagorio, A., Piffari, C., Galimberti, M., Pinto, R. "Human Factors and Change Management: a case study in Logistics 4.0". IFIP International Conference on Advances in Production Management Systems 2022 – APMS

Date and signature Bergamo, 09/12/2024

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