

PERSONAL INFORMATION



Eng. **MARIANGELA QUARTO, Ph.D.**

Associate Professor at Department of Management, Information and Production Engineering of University of Bergamo

GSD: 09/IIND-04- TECHNOLOGIES AND MANUFACTURING SYSTEMS

SSD: IIND-04/A - TECHNOLOGIES AND MANUFACTURING SYSTEMS

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[ORCID](#)

[Scopus](#)

[WoS](#)

POSITION HELD

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| From November 2024 | Associate Professor at the Department of Management, Information and Production Engineering of University of Bergamo (IIND-04/A) |
| From November 2025 | Member of the Teaching Board of the Technology, Innovation and Management Doctoral Course (DOT1751033) , a joint doctoral program between the University of Bergamo and the Federico II University of Naples. |
| From November 2019 | Member of International Institution for Micro Manufacturing (I2M2) |
| From March 2016 | Member of Associazione Italiana per le Tecnologie Manifatturiere (AITeM) |
| From June 2021 | Member of Scientific Committee of World Congress on Micro and Nano Manufacturing (WCMNM) |
| From April 2019 | Member and co-organizer of Additive Manufacturing Symposia of the European Scientific Association for material FORMing (ESAFORM) |

EDITORIAL BOARD

- Early Career Editorial Board of Materials Science in Additive Manufacturing (AccScience Publishing)
- Member of Topical Advisory Panel for journal Micromachines (MDPI).
- Member of Reviewer Board for journal Processes (MDPI).

PREVIOUS POSITION

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| From November 2021 | Assistant Professor (RTD-b) - art. 24 c.3-b L. 240/10 at the Department of Management, Information and Production Engineering of University of Bergamo |
| March 2024 | Visiting Research at Department of Mechanical Engineering of Tsinghua University (Beijing, China) – Prof. LiYong |

- January 2021 – February 2023 **Member of the Giunta per la Qualità dell’Insegnamento e dell’Apprendimento** of the University of Bergamo
- May 2022 **Visiting Teaching** at Institute for Control Engineering of Machine Tools and Manufacturing Units of ISW Universität Stuttgart (Germany)
- October 2019 – October 2021 **Assistant Professor (RTD-a)** - (art. 24 c.3-a L. 240/10) at the Department of Management, Information and Production Engineering of University of Bergamo
- October 2018 – September 2019 Research fellow at the Department of Management, Information and Production Engineering of University of Bergamo: “Methods for monitoring processing machines based on unconventional technologies” within the research project: “Smart Solutions for Cyber-Physical Production System - SMART4CPPS” funding by Regione Lombardia.
- May 2015 – September 2015 Research fellow at the Department of Management, Information and Production Engineering of University of Bergamo: “Micro-Electrical discharge machining milling analysis for the realization of micro-features”

EDUCATION and TRAINING

- March 2023 **National Scientific Qualification for Associate Professor**
- October 2015 – October 2018 **Doctoral Research in Economics and Management of Technology (DREAMT – XXXI cycle)**, at University of Pavia and University of Bergamo with the thesis “ μ EDM sustainability: economical optimization and machinability of advanced materials” – CUN Area 9 e 13
Supervisor: Prof. Giancarlo Maccarini
- November 2016 **Professional Engineering Qualification**
- October 2017 – March 2018 **Visiting research period at Technical University of Denmark (DTU)** at Manufacturing Engineering section of Mechanical Engineering Department.
Supervisor: Prof. Giuliano Bissacco
- September 2012 – December 2015 **Master Degree in Management Engineering** (D.M. 270/04) at University of Bergamo, with the thesis: “Geometrical characterization of micro-holes performed using micro-EDM process”
Supervisor: Prof. Gianluca D’Urso
- September 2009 – September 2012 **Bachelor Degree in Management Engineering** at University of Bergamo, with the thesis: “New directions in the building sector: towards the Green Building and autonomous houses”
Supervisor: Prof. Tommaso Minola

SCIENTIFIC AND PROFESSIONAL COLLABORATION

- October 2023 - Present **Scientific manager for University of Bergamo and deputy into the project “Micro-manufacturing technologies for structured organ-**

		on-chip (MITO)" (CUP: 2022ATZTBS) funded by MUR (Ministero dell'Università e della Ricerca) PRIN: Research Projects of Relevant National Interest.
January 2023 - Present		Participation in the project "3A-Italy Circular and Sustainable Made in Italy – MICS (3A-ITALY)" (CUP: F13C22001230001) funded by MUR (Ministero dell'università e della ricerca) thanks to the funds provided by the European Union under the NextGenerationEU program and it represents one of the projects concerning the PNRR Mission 4 "Education and Research"
	2024	Consulting for Bergamo Sviluppo – Bergamo Tecnologica within the project "Bergamo Tecnologica: opportunity and new business model - year 2024" for the company Danesi Parquet Srl.
	29/07/24 – 28/04/2025	Collaboration for "Analysis of the "Analysis of the preparation and plastic deformation process of semi-finished brass products" for Fiocchi Munizioni
	2023	Consulting for Bergamo Sviluppo – Bergamo Tecnologica within the project "Bergamo Tecnologica: opportunity and new business model - year 2022" for the company Hexsol Italy Srl.
September 2021 – June 2023		Participation in the project "Smart Living in Manufacturing – SLIM" (CUP: F55F21000380007) as part of the Action "Development of new collaboration agreements with universities for research, innovation and technology transfer", Program of interventions for the economic recovery of the Regione Lombardia
	2022	Consulting for Bergamo Sviluppo – Bergamo Tecnologica within the project "Bergamo Tecnologica: opportunity and new business model - year 2022" for the company CA.T. Srl.
	2022	Consulting for Bergamo Sviluppo – Bergamo Tecnologica within the project "Bergamo Tecnologica: opportunity and new business model - year 2021" for the company COES Srl.
	2018 - 2022	Participation in the project "Workload-reduction mAchine vision-based TeCnology Hub for MANufacturing – WATCHMAN (id: 1175328) funded by Regione Lombardia
	2021	Collaboration for "Feasibility study for the industrialization of a plant for the production of a new electric traction vehicle" for Goriziana Group S.p.A.
	2020 - 2021	Scientific manager for the research activity entitled "Analysis and definition of continuous improvement strategies of the procurement process" within the contract with Gruppo Humantech s.r.l.
	2020	Collaboration for "Analysis of coffee capsules affected by the detachment of plastic particles" for Beyers Koffie N.V./S.A. - Puurs / Breendonk (Belgium).
	2020	Collaboration for "Functional analysis of capsules compatible with the Nespresso system" for Gimoka Group S.r.l.
	2019	Collaboration for "Analysis at some companies in the metalworking sector in the province of Bergamo in order to identify common

aspects that can be identified as strengths, successes and “best practices” to be taken as indicators in terms of competitiveness for the sector in question." For Confindustria Bergamo

- 2016 **Collaboration** for "Study reorganization and optimization of Gimoka coffee capsule production plants" for Gimoka Group S.r.l.
- 2015 **Collaboration** for "Analysis of the various solutions related to the method of closing the capsules and calculation of the optimal sections for the passage of beverages" for Gimoka Group S.r.l.
- 2018 - 2021 **Participation to the project “Smart Solution for Cyber Physical Production Systems - SMART4CPPS” (id. 236789)** funded by Regione Lombardia
- 2016 - 2019 Teaching of the course "Industrial production systems and technologies" at the Higher Technical Institute Foundation for Fondazione Istituto Tecnico Superiore per le Nuove Tecnologie per il Made in Italy- JobsAccademy - San Paolo d’Argon (Bergamo) - Italy
- 2016 - 2017 Teaching of the course "New technologies at the service of sustainable design" at Centro di Formazione Professionale, Scuola d’arte applicata Andrea Fantoni – Bergamo - Italy
- 2016 - 2017 Teaching of the course "Innovative Technologies" at Fondazione Istituto Tecnico Superiore Lombardo per le Nuove tecnologie Meccaniche e Meccatroniche- Sesto San Giovanni (Milano) - Italy.

ACCADEMIC EXPERIENCES TEACHING ACTIVITIES

Teaching of Integrated Production Systems at University of Bergamo, within the course of study of Master Degree in Management and Engineering.

a.y. 2021/2022, 2022/2023, 2023/2024; 2025/2026

Teaching of Quality Improvement in Healthcare at University of Bergamo, within the course of study of Master Degree in Management and Engineering for Health.

a.y. 2019/2020, 2020/2021, 2021/2022, 2022/2023, 2023/2024, 2024/2025; 2025/2026

Co-Teaching of Manufacturing Technologies within the bachelor degree of Mechanical Engineering at the Department of Management, Information and Production Engineering of University of Bergamo.

Tutor of the Laboratory in Digital Innovation Management, at University of Bergamo within the course of study of Master Degree in Management Engineering.

a.y. 2022/2023, 2023/2024

Tutor for the course of Quality Management Systems, within the bachelor degree of Management Engineering at the Department of Management, Information and Production Engineering of University of Bergamo.

a.y. 2019/2020, 2022/2023

Tutor for the course of Manufacturing Technology, within the bachelor degree of Management Engineering at the Department of Management, Information and Production Engineering of University of Bergamo.

a.y. 2016/2017, 2017/2018, 2018/2019, 2020/2021

Co-teaching for the course of Manufacturing Technology, within the bachelor degree of Management Engineering at the Department of Management, Information and Production Engineering of University of Bergamo.

a.y. 2020/2021, 2021/2022

Tutor for the course of Integrated Production Systems, within the master degree of Management Engineering at the Department of Management, Information and Production Engineering of University of Bergamo.

a.y. 2016/2017, 2017/2018

Tutor for the course of Innovative Processing Technologies, within the master degree of Mechanical Engineering at the Department of Engineering and Applied Science of University of Bergamo.

a.y. 2016/2017, 2018/2019

Tutor for the course of Manufacturing Studies, within the master degree of Management Engineering at the Department of Management, Information and Production Engineering of University of Bergamo.

a.y. 2016/2017, 2017/2018, 2018/2019

PERSONAL SKILLS

MOTHER TONGUE

Italian

OTHER LANGUAGES

English C1

Dalmine, 07/01/2026

