

Curriculum Vitae

MARIA CHIARA MAGNANINI

PERSONAL INFORMATION

SURNAME and Name	MAGNANINI Maria Chiara
Citizenship	Italian
Date of birth	09/04/1990
Place of birth	Arezzo (AR), Italy

WORK RESIDENCE AND CONTACTS

Address	Politecnico di Milano, Dipartimento di Meccanica Via La Masa 1, 20156 Milano (MI)
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SPECIALIZATION AND KEY-WORDS

Scientific Classification	ING-IND/16 Manufacturing and Production Systems
Keywords	Manufacturing; Production systems; System configuration; Performance evaluation; Production quality; Manufacturing control; Optimization.

RESEARCH AND WORK EXPERIENCE

6/07/2020 – today	Politecnico di Milano, Department of Mechanical Engineering Assistant Professor without tenure (Italian categorization: RTDa)
May 2022 – today	Expert Reviewer for European Commission – Horizon Europe
1/11/2018 – 5/07/2020	Politecnico di Milano, Department of Mechanical Engineering Post-doc Researcher, within the EU-funded H2020 project 'ForZDM'. Research topic: system-level manufacturing strategies for zero-defect manufacturing in multi-stage manufacturing systems for the production of aeronautical engine shafts and train axles.
15/02/2018 - 30/09/2018	University of Texas at Austin, Walker Department of Mechanical Engineering Visiting Research Scholar within the research group lead by Prof. Djurdjanovic. Research topic: Robust optimal model-based control of multi-stage manufacturing processes, with application in machining of prismatic parts and lithography of semiconductors.
1/11/2015 – 8/07/2019	PhD in Mechanical Engineering, XXXI Cycle Thesis title 'A stochastic analytical model for evaluating the performance of asynchronous multi-stage manufacturing systems integrating control mechanisms' Grade: Doctor cum Laude

1/12/2019 - today	Expert Reviewer for Research Projects funded within the EU program ‘Marie Skłodowska-Curie’ under grant agreement No 847577
Company name	Confirm Centre Smart Manufacturing – SMART4.0 Smart Manufacturing Advanced Research Training for Industry - Limerick (Ireland)
Contract type	Consulting
1/06/2015 - 30/09/2015	Intern
Company name	Robert Bosch GmbH - Feuerbach, Stuttgart (Germany)
Contract type	Praktikum (Fixed-term contract)
Main role	Industrial engineer for the continuous improvement oriented to preventive maintenance of the automated system producing automotive pumps.

AWARDS

Year	2019
Name	Grant for Young Scientists, Associazione Italiana Tecnologie Manifatturiere (AITeM)

ASSOCIATION

Since 2020	Member of Associazione Italiana Tecnologie Manifatturiere (AITeM)
Since 2020	Research Affiliate of International Academy of Production Engineering (CIRP)

LANGUAGES

Mothertongue	Italian			
Language	English			
	Reading	Writing	Listening	Speaking
	Excellent	Excellent	Excellent	Excellent
Language	French			
	Reading	Writing	Listening	Speaking
	Good	Good	Good	Good

SCIENTIFIC ACTIVITIES (please refer to the personal page in the Institution website):

https://re.public.polimi.it/browse?type=author&authority=rp14536&authority_lang=en#.X5gA_IhKjD4

Main international and national funded research projects

Project name	DAT4.Zero - Data Reliability and Digitally-enhanced Quality Management for Zero Defect Manufacturing in Smart Factories and Ecosystems
Period	2020 - 2024 (ongoing)
Website	https://dat4zero.eu/
Funding	H2020 - No. 958363
Project budget	11.8 M€
Project name	ForZDM - Integrated Zero-defect Manufacturing Solution for High-value Multi-stage Manufacturing Systems
Period	2016 - 2020 (ongoing)
Website	https://www.forzdmproject.eu/
Funding	H2020 - No 723698
Project budget	7.5 M€

Project name	Productive4.0 - Electronics and ICT as enabler for digital industry and optimized supply chain management covering the entire product lifecycle
Period	2017 - 2020 (ongoing)
Website	https://productive40.eu/
Funding	H2020/ECSEL Joint Undertaking - No 737459
Project budget	106.4 M€
Project name	Ansaldo Energia Lighthouse Plant
Period	2018 - 2021 (in corso)
Website	https://www.ansaldoenergia.com/Pages/Lighthouse-Plant.aspx
Funding	MISE e Regione Liguria
Project budget	14 M€

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.).

Milano, 07/06/2023

Maria Chiara Magnanini