

curriculum vitae

PERSONAL INFORMATION

Surname	Pinelli
Name	Maria
E-mail	maria.pinelli@polimi.it

Current position	
• Date (from – to)	June 2025 - ongoing
• Name and address of firm/university	Politecnico di Milano – Milan (Italy)
• Type of business or sector	Ing-Ind 35
• Type of employment	Assistant Professor Junior (RTDa)
• Main activities and responsibilities	She is developing research projects and scientific publications related to technological innovations in the healthcare field.

Education and training	
• Date (from – to)	March 2025 - ongoing
• Name and address of firm/university	Politecnico di Milano – Milan (Italy)
• Type of business or sector	Ing-Ind 35
• Type of employment	Postdoctoral Researcher
• Main activities and responsibilities	She developed research projects and scientific publications related to technological innovations in the healthcare field.
• Date (from – to)	November 2021 – March 2025
• Name and type of organisation providing education and training	Politecnico di Milano – Milan (Italy)
Duration of the program of study	3 years
• Title of qualification	PhD – PhD Thesis Title “MedTech Innovation in Hospitals: Re-Framing the integration between Scanning and Assessment and the determinants of Value”
• Date (from – to)	01/03/2023 – 31/08/2023
• Name and type of organisation providing education and training	Radboud University (Netherlands)
Duration of the program of study	6 months
• Title of qualification	Visiting PhD Student
• Date (from – to)	26/02/2018-24/07/2020
• Name and type of organisation	Politecnico di Milano – Management Engineering, Specialization: Sustainable Operations

providing education and training	Management and Social Innovation
Duration of the program of study	2 years
• Principal subjects/occupational skills covered	Business in transformation: Social and sustainability challenges Lab, Social innovation, Advanced and sustainable manufacturing, Health care management, Product lifecycle management, Accounting, finance and control, Strategy and marketing, Leadership and innovation, Operations management, Logistics management Relevant Project Works: - Social Innovation Project with Progetto Itaca Onlus : Development of a Business Plan to convert Progetto Itaca ONLUS (non-profit organization supporting people affected by mental disorders in the reintegration process at the workplace) into a financially sustainable social enterprise. - Healthcare Management Project with ASST Grande Ospedale Metropolitano Niguarda : Process mapping of the patients' flow in operating rooms, identification of critical issues, non-conformities and risks and development of possible solutions for improvement.
• Title of qualification awarded	Master's Degree
Final mark obtained	108/110
• Date (from – to)	16/11/2014-17/10/2017
• Name and type of organisation providing education and training	Università degli Studi di Modena e Reggio Emilia – Ingegneria Gestionale
Duration of the program of study	3 years
• Principal subjects/occupational skills covered	Applied Mathematics, Organizational Behavior, Foundations of Computer Science, Automatic Control, Information Systems and Databases, Operative Research, Logistics and Production Management, Internet and Web Technologies Bachelor's Thesis in Online Labor Markets : The purpose of the Thesis was to examine the characteristics of micro-crowdsourcing platforms and the experiences of workers involved with them.
• Title of qualification awarded	Bachelor's Degree
Final mark obtained	108/110
• Date (from – to)	2009-26/06/2014
• Name and type of organisation providing education and training	Liceo Scientifico A.F. Formiggini
Duration of the program of study	5 years
• Principal subjects/occupational skills covered	Scientific (mathematics, physics, biology, earth science, chemistry) and linguistic-historical-philosophical (Italian, Latin, English, history, philosophy, drawing and art history) education.
• Title of qualification awarded	Diploma di scuola secondaria superiore - Maturità scientifica
Final mark obtained	90/100

Other education and training	
• Date (from – to)	June 2023
• Name and type of organisation providing education and training	EURAM
• Duration of the program of study	2 days
• Principal subjects/occupational skills covered	Doctoral colloquium about my PhD research activities
• Date (from – to)	September 2023
• Name and type of organisation providing education and training	AiG -Associazione Italiana Ingegneria Gestionale (Italian Association of Management Engineering), University of Bologna
• Duration of the program of study	4 days
• Principal subjects/occupational skills covered	Title of the school: "Striving for research quality"

• Date (from – to)	October 2022
• Name and type of organisation providing education and training	Scuola Superiore Sant'Anna (Pisa) - IACH - InnovAction in Health care: strategy, performance and data management (Seasonal School)
• Duration of the program of study	1 week
• Principal subjects/occupational skills covered	Integrated view of healthcare systems through organization, stakeholders, and innovative management. Focus on data analysis, case studies, and post-pandemic transformations in care models and system resilience.
• Date (from – to)	September 2022
• Name and type of organisation providing education and training	AiIG -Associazione Italiana Ingegneria Gestionale (Italian Association of Management Engineering), University of Bergamo
• Duration of the program of study	4 days
• Principal subjects/occupational skills covered	Title of the school: "It's not about teaching, it's about learning"

Teaching activities	
• Date (from – to)	September 2025 – Present
• Name and address of firm/university	Politecnico di Milano, Dipartimento di Ingegneria Gestionale, Via Lambruschini 4/b, Milano 20156
• Type of business or sector	Ing-Ind 35
• Type of employment	Teacher
• Main activities and responsibilities	She teaches the course "Innovation in Health and Social Care"
• Date (from – to)	February 2025 – July 2025
• Name and address of firm/university	Politecnico di Milano, Dipartimento di Ingegneria Gestionale, Via Lambruschini 4/b, Milano 20156
• Type of business or sector	Ing-Ind 35
• Type of employment	Teaching Assistant
• Main activities and responsibilities	She taught the course "Economia e Organizzazione Aziendale" coordinated by the Professor Giovanni Toletti and the course "Healthcare Management" coordinated by the Professor Emanuele Lettieri
• Date (from – to)	September 2024 – December 2024
• Name and address of firm/university	Humanitas University Via Rita Levi Montalcini 4 Pieve Emanuele (MI)
• Type of business or sector	Ing-Ind 35
• Type of employment	Teaching Assistant
• Main activities and responsibilities	She is teaching the course "Healthcare Management" coordinated by the Professor Emanuele Lettieri.
• Date (from – to)	February 2024 – July 2024
• Name and address of firm/university	Politecnico di Milano, Dipartimento di Ingegneria Gestionale, Via Lambruschini 4/b, Milano 20156
• Type of business or sector	Ing-Ind 35
• Type of employment	Teaching Assistant
• Main activities and responsibilities	She taught the course "Economia e Organizzazione Aziendale" coordinated by the Professors Cristina Masella and Eleonora Gheduzzi.
• Date (from – to)	October 2023
• Name and address of firm/university	Polimi Graduate School of Management
• Type of business or sector	Ing-Ind 35
• Type of employment	Teaching Assistant
• Main activities and responsibilities	She taught the in the course "International Master in Project Management", particularly in the

	section "Accounting for projects"
• Date (from – to)	September 2023 – December 2023
• Name and address of firm/university	Humanitas University Via Rita Levi Montalcini 4 Pieve Emanuele (MI)
• Type of business or sector	Ing-Ind 35
• Type of employment	Teaching Assistant
• Main activities and responsibilities	She taught the course "Healthcare Management" coordinated by the Professor Emanuele Lettieri.
• Date (from – to)	September 2022 – December 2022
• Name and address of firm/university	Politecnico di Milano, Dipartimento di Ingegneria Gestionale, Via Lambruschini 4/b, Milano 20156
• Type of business or sector	Ing-Ind 35
• Type of employment	Teaching Assistant
• Main activities and responsibilities	She taught the course "Impresa e Decisioni Strategiche" coordinated by the Professor Cristina Masella.
• Date (from – to)	February 2022 – May 2022
• Name and address of firm/university	Politecnico di Milano, Dipartimento di Ingegneria Gestionale, Via Lambruschini 4/b, Milano 20156
• Type of business or sector	Ing-Ind 35
• Type of employment	Teaching Assistant
• Main activities and responsibilities	She taught the course "Health Care Management" coordinated by the Professor Emanuele Lettieri.

Journal Publications	
Author(s) and title	Maria Pinelli, Marcia Tummers, Janneke Grutters How Do Strategy, Scanning, and Assessment Shape Decision-Making on Technologies in Hospitals? Insights from a Qualitative Study in Dutch Hospitals
Language	English
Publication place	Health Policy https://doi.org/10.1016/j.healthpol.2025.105486
Date of publication	November 2025
Author(s) and title	Maria Pinelli, Emanuele Lettieri, Fabian Bernhard Navigating the technological landscape in hospitals: A taxonomy of scanning and assessment integration types anchored in innovation orientation and specialization of care
Language	English
Publication place	Technological Forecasting and Social Change https://doi.org/10.1016/j.techfore.2025.123986
Date of publication	March 2025
Author(s) and title	Maria Pinelli, Chiara Gerardi, Emanuele Lettieri, Madalina Maioru, Laura Marone, Lorenzo Bertoldi, Giuseppe Navanteri, Maurizio Costantini, Claudio Botti, Francesca Pellini Comparison of Indocyanine Green with conventional tracers for sentinel lymph node biopsy in breast cancer: A multidisciplinary evaluation of clinical effectiveness, safety, organizational and economic impact
Language	English
Publication place	PLOS ONE https://doi.org/10.1371/journal.pone.0309336
Date of publication	August 2024
Author(s) and title	Andrea Moglia, Luca Marsilio, Matteo Rossi, Maria Pinelli, Emanuele Lettieri, Luca Mainardi, Alfonso Manzotti, Pietro Cerveri Mixed Reality and Artificial Intelligence: A Holistic Approach to Multimodal Visualization

	and Extended Interaction in Knee Osteotomy
Language	English
Publication place	IEEE Journal of Translational Engineering in Health and Medicine. https://doi.org/10.1109/JTEHM.2023.3335608
Date of publication	November 2023
Author(s) and title	Maria Pinelli, Stefania Manetti, Emanuele Lettieri Assessing the Social and Environmental Impact of Healthcare Technologies: Towards an Extended Social Return on Investment
Language	English
Publication place	International Journal of Environmental Research and Public Health, 2023, 20, 5224. https://doi.org/10.3390/ijerph20065224
Date of publication	March 2023
Author(s) and title	Andrea Di Francesco, Maria Pinelli, Emanuele Lettieri, Giovanni Toletti, Manuela Galli Towards a More Inclusive Society: The Social Return on Investment (SROI) of an Innovative Ankle–Foot Orthosis for Hemiplegic Children
Language	English
Publication place	Sustainability 2023, 15, 4361. https://doi.org/10.3390/su15054361
Date of publication	February 2023
Author(s) and title	Maria Pinelli, Emanuele Lettieri, Andrea Boaretto, Carlo Casile, Giuseppe Citro, Bernardino Zazzaro, Adriana Ravazzoni Glucometer Usability for 65+ Type 2 Diabetes Patients: Insights on Physical and Cognitive Issues
Language	English
Publication place	Sensors 2022, 22, 6202. https://doi.org/10.3390/s22166202
Date of publication	August 2022

International and National Scientific Conferences (Presenter Role)	
Author(s) and title	Maria Pinelli, Emanuele Lettieri Technology Scanning in Hospitals: The Role of Innovation Orientation and Specialization of Care
Language	English
Conference	IPDMC Conference
Date of conference	June 2025
Author(s) and title	Maria Pinelli, Erica Pantusa, Emanuele Lettieri, Manuela Galli Promoting Inclusive and Equitable Physical Education through Smart Technologies: Insights from the Active³ Project
Language	English
Conference	IEEE IHTC Conference
Date of conference	November 2024
Author(s) and title	Maria Pinelli, Emanuele Lettieri Navigating the Technological Landscape in Hospitals: A Taxonomy of Scanning and Assessment Integration Types Anchored in Research Orientation and Specialization of Care
Language	English
Conference	RSA AiG (Riunione Scientifica Annuale Associazione italiana Ingegneria Gestionale, Annual Scientific Meeting, Italian Association of Management Engineering)

Date of conference	September 2024
Author(s) and title	Maria Pinelli, Emanuele Lettieri, Marcia Tummers, Janneke Grutters Investigating technological strategies in the hospital setting: insights from the Dutch context
Language	English
Conference	European Academy of Management (EURAM) Annual Conference
Date of conference	June 2024
Author(s) and title	Maria Pinelli, Emanuele Lettieri, Marcia Tummers, Janneke Grutters Investigating Technological Strategies In The Hospital Setting: Insights From The Dutch Context
Language	English
Conference	Health Technology Assessment international
Date of conference	June 2024
Author(s) and title	Maria Pinelli, Emanuele Lettieri, Marcia Tummers, Janneke Grutters Investigating technological strategies in the hospital setting: insights from the Dutch context
Language	English
Conference	RSA AiIG
Date of conference	September 2023
Author(s) and title	Maria Pinelli, Stefania Manetti, Emanuele Lettieri Social Return on Investment of a robotic exoskeleton for upper limb rehabilitation after stroke
Language	English
Conference	European Academy of Management (EURAM) Annual Conference
Date of conference	June 2023
Author(s) and title	Maria Pinelli, Rossella Onofrio, Stefania Manetti, Giorgio Giliberti, Emanuele Lettieri Health Technology Assessment in Hospitals: A Systematic Review on Methods and Practices
Language	English
Conference	ISPOR Europe Annual Conference
Date of conference	November 2022
Author(s) and title	Maria Pinelli, Rossella Onofrio, Stefania Manetti, Giorgio Giliberti, Emanuele Lettieri A Systematic Literature Review of Hospital-Based Health Technology Assessment
Language	English
Conference	RSA AiIG
Date of conference	September 2022

Reviewer of international journal and conferences	
Activity	Reviewer
Journal	Health Services Management Research International Journal of Technology Assessment in Health Care Journal of Medical Internet Research
Conference	RSA AiIG EURAM IFKAD IPDMC

Presentation at practitioner conferences	
Title	Comparison of Indocyanine Green with conventional tracers for sentinel lymph node biopsy in breast cancer: A multidisciplinary evaluation of clinical effectiveness, safety, organizational and economic impact
Language	Italian
Conference	"SENO 4.0 - INNOVAZIONE E TECNOLOGIA PER LA SALUTE DELLA DONNA"
Date of conference	March 2025
Title	Artificial Intelligence: dalla ricerca clinica al customer engagement
Language	Italian
Conference	Life Science: costruire il futuro tra digitale, algoritmi e nuove competenze
Date of conference	July 2025
Title	HB-HTA on ICG guided surgery
Language	Italian
Conference	iSpies Italia 2025 (Stryker)
Date of conference	July 2025

Certifications	
Certification of state examination	State examination qualification for Industrial Engineer – December 2022
Certifications of language knowledge	First Certificate in English – Passed at Grade A (C1 Level) – Score 183/190 – March 2018

Work experience, stages, studies abroad	
• Date (from – to)	16/09/2021 – November 2021
• Name and address of firm/university	Politecnico di Milano, Dipartimento di Ingegneria Gestionale, Via Lambruschini 4/b, Milano 20156
• Type of business or sector	University
• Type of employment	Research Internship
• Main activities and responsibilities	Support to research projects pertaining to Health Care Management
• Date (from – to)	01/06/2021 - 25/06/2021
• Name and address of firm/university	ALMA MATER STUDIORUM, Università di Bologna, Dipartimento di Scienze Economiche Via Zamboni 33, Bologna 40126
• Type of business or sector	University
• Type of employment	Collaboration
• Main activities and responsibilities	Support to the research project "Innovazione sociale: evidenza empirica e casi studio in Italia ed Europa"
• Date (from – to)	16/11/2020 – 26/04/2021
• Name and address of firm/university	Herambiente S.P.A., Viale Berti Pichat 2/4, Bologna 40127
• Type of business or sector	S.P.A controlled by Hera Group. Waste treatment, recovery and disposal
• Type of employment	Extra-curricular internship
• Main activities and responsibilities	Activities related to management control and industrial accounting. Understanding of the company's budgeting and reporting systems and engagement in the elaboration of periodic company's reporting mainly through the use of SAP and Excel. Involvement in the variance analysis of accounting and extra-accounting variables and support in the development of possible improvements in the business management.

Data
08/11/2025

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