

PERSONAL INFORMATION



Massimo Callegari

 Polytechnic University of Marche
Dept. Industrial Engineering & Mathematical Sciences
Via Breccie Bianche 12 - 60131 Ancona (I)

 071 2204444

 m.callegari@univpm.it

 <https://mdm.univpm.it/mdm/sample-page/personale/massimo-callegari/>

https://www.univpm.it/Entra/Docenti_1/Ingegneria_1/docname/idsel/162/docname/MASSIMO%20CALLEGARI

CURRENT POSITION

Full professor of Machine Mechanics (SSD ING-IND/13)

DEGREE

Laurea in Mechanical Engineering

WORK EXPERIENCE

-
- | | |
|----------------|--|
| 2005 - present | Full professor at Polytechnic University of Marche
Dept. Industrial Engineering & Mathematical Sciences, Ancona |
| 1998 - 2005 | Associate professor at University of Ancona
Dept. Mechanics, Ancona |
| 1990 - 1998 | Researcher at University of Genova
Dept. Mechanics, Genova |
| 1986 - 1990 | System engineer & project manager
Elsag S.p.A. (Genova) and SEIAF S.p.A. (Genova), Factory automation services |

EDUCATION AND TRAINING

-
- | | |
|------|--|
| 1992 | Certificate of Proficiency in English
University of Cambridge |
| 1986 | Laurea degree in "Mechanical Engineering"
University of Genova |
| 1979 | High school degree
Liceo Scientifico "O. Grassi" of Savona |

WORK ACTIVITIES

-
- | | |
|--------------------------|--|
| Research subjects | Robotics; Mechatronics; Mechanical design; Human-machine Cooperation & Human-Centred Manufacturing; Automation; Artificial Intelligence |
| Projects | <ul style="list-style-type: none">2023-2025: Coordinator of the local research unit of the PRIN22 project "DYNamic Assessment and Mitigation of the Impact of Collaborative Applications (DYNAMICA)" by the the Ministry of Research and University2018-2022: Scientific coordinator of the HD3FLAB project on the introduction of Industry 4.0 technologies (9 million € budget)2019-pres.: Coordinator of the Marche node of the Competence Center Artes 4.0 network2006-2008: Coordinator of the Italian research project "Mini-robotic systems for advanced technology applications" by the the Ministry of Research and University2005-2009: Principal investigator of the Polytechnic University of Marche in LEAPFROG, integrated project of the 6th FP on the automation of apparel production1998-2005: Principal investigator of the European Networks of Excellence EURON and CLAWAR on robotics |

Research assessments

- Expert evaluator of EC for the assessment of R&D projects and MCSCA actions (since VI FP to Horizon Europe)
- Member of the Register of Experts in Technological Innovation of the Ministry of Economic Development (MISE)
- Member of the Register of Expert Peer-Reviewers for Italian Scientific Evaluation (REPRISE) by the Ministry of University and Research (MUR)
- Reviewer of research projects for several Italian regions.

Teaching and mentoring

- Since 1995/96 classes of Machine Mechanics, Mechanical design and Robotics at the Universities of Genova and Ancona.
- Supervisor of more than 200 BSc. final degree projects or MSc. dissertations
- Supervisor of 12 Ph.D. students and many post-doc grants
- Member of the Board of Teachers of the Ph.D. program of national relevance “DRIM Ph.D. in Robotics and Intelligent Machines” delivered by the University of Genova and coordinator of the “Robotics and Intelligent Machines for Industry 4.0” curriculum (2022/23)
- Coordinator of the masterclass in “Architectures, Processes and Technologies for the Digital Transition of Industry” (2021/22)
- Member of the Scientific Committee of the Master Program “IMrob - International Master on Robotics” (University of Genova, Kaiserslautern and Madrid) and of the Steering Committee of the European Master in “Automotive Engineering” (University of Hertfordshire).

Dissemination

- President of the i-LABS Industry company, innovation infrastructure for the digital transition of SMEs
- Member of the Board of Directors of the spin-off companies A.h.R.T.E. s.r.l. (2012-2017) and LE(A)D-ME s.r.l. (2018-2022)
- Associate editor of the ASME Journal of Mechanical Design (2018-2022) and International Journal of Intelligent Mechatronics and Robotics (2010-13)
- Guest Editor of Special issues for the “Journal of Intelligent and Robotic Systems” and “Robotics”
- Organizer or Symposium Chair of international conferences (ASME/IEEE MESA; RAAD; IFToMM)

Publications

Author or co-author of more than 200 publications and co-inventor of 2 national patents.

Database	documents	Journal articles	citations	H-index
Scopus	97	46	1134	18
ISI WoS	89	32	795	15
Google Scholar	233	-	2101	22

PERSONAL SKILLS

Mother tongue

Italian

Other languages

English (C2)

Job-related skills

Good communication, organization and management skills

Digital skills

Good knowledge of the main personal productivity tools, internet applications and Windows operating system. Fair knowledge of C and Matlab programming languages. General knowledge of CAD/CAE systems.

FURTHER INFORMATION

Affiliations

- Member of the American Society of Mechanical Engineers (ASME)
- Member of IFToMM Italy (International Federation for the Promotion of Mechanism and Machine Science)
- Member of I-RIM, the Italian Institute for Robotics and Intelligent Machines

Awards

- Recipient of the Crossley Award by Elsevier for the article “A new class of reconfigurable parallel kinematic machines” in “Mechanism and Machine Theory” (2017)
- Recipient of the “Highly Commended Paper” for the article “Manual guidance for industrial robot programming” in “Industrial Robot” (2016)
- Recipient of several best paper awards in international conferences

- Member of the National Committee for the assessment of university professors of Machine Mechanics (ASN settore concorsuale 09/A2) (2016-2018)
- Member of the Engineering Faculty Board of the Polytechnic University of Marche in Ancona (2012-2018)
- Deputy Director of the Department of Industrial Engineering and Mathematical Sciences at the Polytechnic University of Marche in Ancona (2012-2018)

Ancona, September 11th, 2023