

PERSONAL INFORMATION

Hermes Giberti



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Sex Male | Date of birth | Nationality Italian

| Enterprise | University | EPR |
|--|---|--|
| <input type="checkbox"/> Management level | <input checked="" type="checkbox"/> Full professor | <input type="checkbox"/> Research Director and 1 st level technologist/ First Researcher and 2 nd level Technologist/ Principal Investigator |
| <input type="checkbox"/> Mid-Management level | <input type="checkbox"/> Associate professor | <input type="checkbox"/> Level III Researcher and Technologist |
| <input type="checkbox"/> Employee/worker level | <input type="checkbox"/> Researcher and technologist of IV, V, VI and VII level/ Technical collaborator | <input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator |

WORK EXPERIENCE

October 2018 - present

Full Professor in Applied Mechanics Ing-Ind/13

Department of Electrical, Computer, and Biomedical Engineering, University of Pavia

- Professor of “Automated mechanical system design” and “Applied Robotics Technologies” at MSc Industrial Automation Engineering of the University of Pavia
- Professor of “Disegno di Macchine” at BSc Industrial Engineering of the University of Pavia
- Professor of “Industrial Robotics” at MSc Mechanical Engineering of the Politecnico di Milano
- Coordinator of the MSc Industrial Automation Engineering of the University of Pavia
- Member of the Internship Academic Structure (SAT) for the Mechanical Engineering course of the Politecnico di Milano
- Member of the PhD school in “Electronics, Computer Science and Electrical Engineering” at the University of Pavia
- Head of RAMS (Research on Advanced Mechanical Systems) Laboratory at the University of Pavia
- Research activity concerns synthesis and design of mechatronic systems with the focus on the theory of mechanisms and robotic systems, and on the methodologies to choose and use actuators for industrial automation. Particular emphasis is placed on the design of parallel manipulators from both a theoretical and an experimental point of view. In the last years, the research activity included subjects related to the development of devices and technology for additive manufacturing with particular focus on the use of multi degrees of freedom robotic solutions in this field.

Business or sector Education/Research

October 2019 - present

Rector’s Delegate for Technology transfer

University of Pavia

- Intellectual Property Valorisation, University-Corporate Relations

Business or sector Education/Research

January 2019 - present

Member of technical scientific committee and Executive council

Competence Center I4.0 MADE s.c.a.r.l. – (<https://www.made-cc.eu>)

- University-MADE Relations

Business or sector Innovation, Consulting and Education

December 2019 - present

Chief Executive Office

Foundation University of Innovation U4I (<https://www.u4i.it/>)

- Intellectual Property Valorisation - Responsible for managing a foundation's overall operations

Business or sector Innovation

September 2019 - present

Co-Founder of an Innovative Startup and academic Spin-Off

Rebel Dynamics srl (<https://rebeldynamics.it/>) accademic Spin-Off of the University of Pavia

- Co-founder and Advisor

Business or sector Dynamic simulation systems

EDUCATION AND TRAINING

March 2002 – December 2002

Post-doc scholarship

University of Brescia (Italy)

- Mechatronics and Robotics

November 1998 – March 2002

PHD candidate in Applied Mechanics

EQF 8

Politecnico di Milano (Italy)

- Mechatronics, Robotics and Automation

September 1992 – October 1998

Master of Science in Mechanical Engineering

EQF 7

Politecnico di Milano (Italy)

- Biomechanics

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 | B2 | B2 | B2 | B2 |
| French | B1 | B1 | B1 | B1 | B1 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

Good communication skills gained through my experience as teacher and speaker at meeting and congress

Organisational / managerial skills

Currently responsible for a team of 9 people involved in research and consulting activities

Digital skills

| SELF-ASSESSMENT | | | | |
|------------------------|-----------------|------------------|-----------------|-----------------|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Proficient user | Proficient user | Proficient user | Proficient user | Proficient user |

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite, Latex, MATLAB
- good command of cad-cam software, multibody and FEM software gained as a designer

- Other skills**
- Since 2003 Court Appointed Expert Witness of court of Bergamo
 - From 2000 to 2002 programmer in a software house

Driving licence A and B

ADDITIONAL INFORMATION

Publications Author of 144 indexed scientific papers published in either scientific journals or presented in International Congresses (h-index scopus: 20). Co-author of 1 book entitled “Fondamenti di Meccanica per l’Ingegneria”

Honours and awards ATLAS Award nomination for the article “In vitro test method for the development of intelligent lower limb prosthetic devices” C. Marinelli, H. Giberti, F. Resta, published in Biocybernetics and Biomedical Engineering, Volume 37, Issue 1, 2017, Pages 11-23

- Patents** Co-Inventor of 7 patents:
- 2007IT-SV00027 Triple progressive springs
 - 2008IT-SV00002 Paraurti shift
 - 2009IT-CO00033 Puntone snodato
 - 2009IT-MI01497 Dispositivo per prove di rendimento e fatica su viti a ricircolo di sfere
 - 2015IT-UB00970 A device for direct additive manufacturing by means of extrusion of metal powders and ceramic materials on a parallel kinematic table
 - 2020IT-0016720 Apparatus for simulating driving a land vehicle (PENDING)
 - 102020000018370 Impianto e metodo per la raccolta di stigmi

- Projects** Prof. Giberti participated in several national and international research projects, such as:
- “Lubrificazione elasto-idrodinamica in meccanismi a camma” forming part of the program PRIN 2003 funded by MiUR.
 - “Studio, progettazione e sviluppo di una nuova gamma di elettrodomestici caratterizzata da tecnologie innovative mirate ad una notevole riduzione dei consumi energetici e dell’impatto ambientale” and “Sistemi navali di nuova generazione” both forming part of the research program “Industria 2015” funded by “Ministero dello sviluppo economico”.
 - “LIFES50+ Proving cost effective technology for floating substructures for 10MW wind turbines at water depths greater than 50 m” forming part of Horizon2020 (H2020-LCE-2014-1) funded by the European Commission.
 - “Strutture Ibride per la Meccanica e l’Aerospazio (ST.I.M.A.)” funded by the Regione Lombardia (2009-2012).
 - “Sistema di Monitoraggio Ambientale con Rete di sensori e Telemonitoraggio indossabile a supporto di servizi di salute, prevenzione e sicurezza per l’Active Aging SMARTA” funded by the Regione Lombardia (2014-2015).

Collaboration with companies Prof. Giberti research activities have frequently been developed in close cooperation with companies operating in the mechanical, automation and robotic fields, such as MOOG, ABB, CBI industrie, CIFA, ENI, SINECO, ATOM, FEDEGARI, PNEUMAX.

Membership He was member of several associations: SEM (Society for Experimental Mechanics); Italian Association of Theoretical and Applied Mechanics (AIMETA); Italian Association for Automation (ANIPLA). Finally he is member of the scientific committee of the journal “Tecn’è” (ISSN 2039–9804) and of the editorial board of the journal “Machines” (ISSN 2075-1702)

Pavia 07/06/2024
Hermes Giberti

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV