

PERSONAL INFORMATION

Ceretti Elisabetta



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Sex Female | Date of birth 02/02/1966 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<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

2010-ongoing

Full Professor of Technologies and Production Systems ING-IND/16 (Tecnologie e Sistemi di Lavorazione)

Brescia University, Dept. of Mechanical and Industrial Engineering, via Branze 38, 25123 Italy, www.unibs.it

12/22-ongoing	Board LIGHT scril UNIBS, Antares Vision e Dompè Farmaceutici (founded PNRR)
08/2022-ongoing	National coordinator ING-IND/16 Tecnologie e sistemi di Lavorazione
05/2022-ongoing	member of Kairos Innovation Spin Off of Università di Brescia
2010-ongoing	Teaching the classes of Quality Management and Modelling of Bulk and Sheet deformation Processes
2021-ongoing	Responsible of the Management Engineering curricula
2021-2024	Vice-Director of the Department of Mechanical and Industrial Engineering
2020-ongoing	Co-director of Advanced Prototyping Lab of University of Brescia
2021-ongoing	Member of the board of Cembre SpA
2019-2021	Member of Technical and Scientific Committee of the Technological Center CSMT (Brescia)
2014-2017	Member of the board of a2a SpA
2013-2017	President of AITEM: the Italian Association of Manufacturing Technologies
2012-ongoing	Technical director of the journal TECNOLOGIE DEL FILO of TECNICHE NUOVE
2011-ongoing	Member of CIRP, international organization working in the field of research and innovation in manufacturing
2010-ongoing	Responsible of the Manufacturing Engineering student curricula

2001-2010

Associate Professor of Technologies and Production Systems (ING-IND/16) at University of Brescia

Responsible of Plasticity and Plastic Deformation Processes class
Responsible of Manufacturing students curricula
Responsible of several PhD students in the field of Manufacturing

1993-2001

Researcher Technologies and Production Systems (ING-IND/16) at University of Brescia

1994-2001	Responsible of Mechanical Technology A and B
02/1997-10-97	Research Fellow at ERC for NSM Columbus Ohio
1996-1999	Research Representative in the UniBS Faculty board

EDUCATION AND TRAINING

Degree in Mechanical Engineering

Università degli Studi di Brescia [1985 – 1990]

Dissertation title: “Sviluppo di un sistema di controllo on line dello stato dell’utensile” (“Development of on line tool status monitoring systems”)

PERSONAL SKILLS

Language

Mother tongue(s): **Italian**

Other: **English** (proficient reading, writing and oral comprehension skills).

Job- related Skills

- **Research activities** on Manufacturing, Simulation and optimization of products and production processes, Monitoring System of machine tool, Advanced manufacturing processes as Hydroforming, Sheet incremental forming and Additive Manufacturing and biomanufacturing of medical devices with about 200 publications indexed in Scopus.
- **Teaching activities** on several University Manufacturing technologies courses, and courses for industries.
- **Scientific Responsible (In Last 10 Years)** for Brescia Unity of 3 **competitive projects**: MICEHLANGELO founded by MISE (2014); IREBID Marie Curie Action founded by EU (2014); OPTIMIB founded by MAECI(2020).
- **Scientific Responsible (In Last 10 Years)** for more than 20 activities with local Companies **in applied research activities**
- **Recognised inventor** in **2 patents** on innovative manufacturing processes and medical devices
- **Spin Off:** member of KAIROS INNOVATION working in the field of innovative manufacturing processes, process simulation and optimization and micro manufacturing

Social and organisational Skills

Attitude for team working leader, flexibility, result oriented and organizational skills

SELECTION of 5 PUBLICATIONS

1. Fiorentino, A., Ginestra, P.S., Attanasio, A., Ceretti, E. Numerical optimization of the blank dimensions in tube hydroforming using line-search and bisection methods (2020) *Materials*, 13 (4), art. no. 945, . DOI: 10.3390/ma13040945
2. Attanasio, A., Abeni, A., Özel, T., Ceretti, E., Finite element simulation of high speed micro milling in the presence of tool run-out with experimental validations, (2019) *International Journal of Advanced Manufacturing Technology*, 100 (1-4), pp. 25-35. 10.1007/s00170-018-2678-2
3. Celis P.; Vazquez E.; Soria-Hernández C.G.; Bargnani D.; Rodriguez C.A.; Ceretti E.; García-López E. Evaluation of Ball End Micromilling for Ti6Al4V ELI Microneedles Using a Nanoadditive Under MQL Condition 2022 *International Journal of Precision Engineering and Manufacturing - Green Technology*
4. Giorleo L.; Ceretti E. Deep drawing punches produced using fused filament fabrication technology: Performance evaluation 2022 *Journal of Manufacturing Processes*
5. Mazzoldi E.L.; Gaudenzi G.; Ginestra P.S.; Ceretti E.; Giliani S.C. Evaluating cells metabolic activity of bioinks for bioprinting: the role of cell-laden hydrogels and 3D printing on cell survival 2024 *Frontiers in Bioengineering and Biotechnology*

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

Brescia 28/12/2024