

PERSONAL INFORMATION

**Marcello Chiaberge**



- OMISSIS
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- [marcello.chiaberge@polito.it](mailto:marcello.chiaberge@polito.it)
- <https://pic4ser.polito.it/marcello-chiaberge/>
- OMISSIS

Sex **Male** | Date of birth **OMISSIS** | Nationality **Italian**

WORK EXPERIENCE

- 2020 – present

**Associate Professor of Electronics Engineering (scientific sector ING-INF/01)**  
 Politecnico di Torino – Department of Electronics and Telecommunications (DET)

  - Coordinator and PI of the PIC4SeR Interdepartmental Centre for Service Robotics ([www.pic4ser.polito.it](http://www.pic4ser.polito.it))
  - Responsible and coordinator of the MSc degree of Mechatronics Engineering of Politecnico di Torino

Higher education and Research
- 2001 – 2020

**Aggregate Professor of Electronics Engineering (scientific sector ING-INF/01)**  
 Politecnico di Torino – Department of Electronics and Telecommunications (DET)

  - Co-coordinator and vice-director of the LIM Mechatronics Laboratory
  - Didactical responsible and coordinator of the Politecnico di Torino campus in Verrès (AO)

Higher education and Research
- 1997 – 2001

**Assistant Professor of Electronics Engineering (scientific sector ING-INF/01)**  
 Politecnico di Torino – Department of Electronics and Telecommunications (DET)

  - Responsible and coordinator of the Electronic Group in the LIM Mechatronics Laboratory

Higher education and Research

EDUCATION AND TRAINING

- 1992 - 1996

**PhD in Electronics Engineering**  
 Politecnico di Torino, Italy

  - Adaptive methods, systems and algorithms for real-time control systems
- 1986 - 1991

**MSc in Electronics Engineering**  
 Politecnico di Torino, Italy

  - VLSI implementations of high density neural networks with mixed analog/digital techniques

PERSONAL SKILLS

Mother tongue(s) **Italian**

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
Spanish	B2	B2	B2	B2	B1
French	A2	A2	B1	B1	A2
Dutch	A1	A1	A1	A1	A1

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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](#)

Programming skills in:

- Simulation-based languages (VHDL, SPICE, etc..)
- PCB design and simulation
- Analog, digital and FPGA design

Other skills

- Project management and research management gained as coordinator of the PIC4SeR Centre
- Knowledge and attitude for interdisciplinary research

Driving licence

B

ADDITIONAL INFORMATION

Publications

Complete list of publications can be found at:

- ORCID: <https://orcid.org/0000-0002-1921-0126>
- Scopus Author ID: <https://www.scopus.com/authid/detail.uri?authorId=7003345054>
- Google Scholar ID: <https://scholar.google.com/citations?user=44NvSVsAAAAJ>
- ResearchGate ID: <https://www.researchgate.net/profile/Marcello-Chiaberge>

Patents and other intellectual properties

1. CHIABERGE M.; MONTAGNONI R.; RENGAF. (2015). Electronic tag for safely identifying a component of a machine, in particular a bearing, and related quality control method. EP2953061 (A1)
2. CHIABERGE M.; TONOLI A.; SUAREZ L. D.; BONFITTO A.; BOTTO G. (2013). Cuscinetti magnetici attivi per macchine rotanti con un controllo multifase centralizzato. ITTO20120079 (A1)
3. CHIABERGE M.; BOTTO G.; DE GIUSEPPE M.; LUCANO M. (2012). Hysteresis-type electronic controlling device for fuel injectors and associated method. CN102422003(A), US2012055449(A1), WO2010130320(A1)
4. CHIABERGE M.; ALPE S.; BOTTO G.; SCAPPATURA G.; DE GIUSEPPE M.; CASASSO P. (2011). Fault management in an i.c. engine piezoelectric fuel injection system. GB2476105(A)
5. CHIABERGE M.; TONOLI A.; ZENERINO E.; GRECO C.; SCARAMUCCIA P.; CONTA P.; BORDET J.R. (2010). Gruppo elettrovalvola perfezionata per impianti fluidici di condizionamento e relativo gruppo contabilizzatore. ITTO20100950(A1)
6. CHIABERGE M.; TONOLI A.; ZENERINO E.; SILVAGNI M.; DE LEPINE XAVIER (2009). Macchina utensile per una microlavorazione e relative metodo (active damping system for wafer stealth dicing system). ITTO20090048(A1)
7. CHIABERGE M.; CARABELLI S. (2007). Plastic optical fiber network for electronic control units and power electronics in by-wire vehicles. CN101078933(A), EP1860821(A1), EP1860821(B1), US2008066981(A1), CA2585040(A1), AT480066(T)
8. CHIABERGE M.; TONOLI A.; FESTINI A.; CAVALLI F.; CARABELLI S. (2006). Vehicle with a main body having a longitudinal axis and with a tilting unit. CN101041377(A), EP1829719(A1), EP1829719(B1), US2007228675(A1), CA2579782(A1), AT450389(T)
9. CHIABERGE M.; TONOLI A.; FESTINI A.; CAVALLI F.; CARABELLI S. (2005). Electromechanical differential module for a wheeled vehicle and a wheeled vehicle equipped with such an electromechanical differential module. CN1982108(A), CN1982108(B), EP1798093(A1), EP1798093(B1), US2007138887(A1), CA2570756(A1), CA2570756(C), AT423033(T)

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Teaching experience The teaching activity (carried out since 1997) has resulted in more than 90 courses provided up to now at the Politecnico di Torino and other campus locations (Vercelli, Ivrea, Aosta, Verrès).

Actually teaching:

- "Electronic Systems for Mechatronics" - Master's Degree Course in Mechatronics Engineering (Turin campus) starting from the 2012/2013 academic year (course currently delivered in English)
- "Electronic Fundamentals and Applications" - Master's Degree Course in Mechatronic Engineering (Turin campus) starting from the 2017/2018 academic year (course currently delivered in English)

Spin-off companies The countless research and technology transfer activities carried out within the Interdepartmental Laboratory of Mechatronics (LIM) and the PIC4SeR Centre of the Polytechnic of Turin, have led to spin-off companies (five times) in collaboration with the business incubators of the Politecnico di Torino (I3P) and of the Valle d'Aosta Region:

- 2000: AMET s.r.l. <http://www.amet.it>
- 2005: ACTUA s.r.l. <https://it.industrial-cloud.com/actua>
- 2005: TTW s.r.l. (incorporated by ACTUA in May 2011)
- 2011: PODIUM Engineering s.r.l. <https://www.podium-tech.com>
- 2012: FLAG-MS s.r.l. <http://www.flag-ms.com>

All the spin-offs were born from research carried out at Politecnico di Torino and then developed at an entrepreneurial level by fellows and / or PhD students with the support of researchers and professors of the Polytechnic of Turin sometimes involved as partners (Chiaberge was co-founder and partner of ACTUA until 2008, collaborator for TTW, AMET and FLAG-MS).

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

Firmato in originale

