

Europass Curriculum Vitae



Personal information

First name / surname	Claudio CASTELLINI	
Address	Institute of Robotics and Mechatronics DLR – German Aerospace Center Muenchener Strasse, 20 D-82234 Wessling, Germany	
Telephone	(49-8153) 28-1093	mobile <i>(undisclosed)</i>
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Nationality	Italian (by birth) and German (through acquisition in 2017)	
Date of birth	19 July 1972	
Gender	Male	

Desired employment / occupational field **Senior researcher and team leader / Research and development**

Work experience

<i>Dates</i>	<i>September 2009–now</i>
Occupation or position held	Senior researcher; team leader
Main activities and responsibilities	Research in human-machine interfaces, machine learning, prosthetics, rehabilitation robotics; unit-level EU, German and local project management; supervision of M.Sc. and Ph.D. students. Directly reporting to the Head of Department and Head of Institute (internally funded permanent position). Leader of the <i>Adaptive Bio-Interfaces</i> team.
Employer	German Aerospace Center, Wessling, Germany
Type of business or sector	Research
<i>Dates</i>	<i>2011–2012</i>
Main activities and responsibilities	Co-lecturer in Machine Learning
Employer	Technical University of Munich, Germany
Type of business or sector	Academic
<i>Dates</i>	<i>January 2005–September 2009</i>
Occupation or position held	Post-doctoral researcher

Main activities and responsibilities	Research in robotics, prosthetics and machine learning; unit-level EU project management
Employer	University of Genoa, Italy
Type of business or sector	Research
<i>Dates</i>	<i>March 2003–July 2005</i>
Occupation or position held	Lecturer
Main activities and responsibilities	Co-lecturer in databases
Employer	University of Genoa, Italy
Type of business or sector	Research
<i>Dates</i>	<i>January 2001–January 2005</i>
Occupation or position held	Research associate
Main activities and responsibilities	Research in automated protocol verification / formal verification of C code
Employer	University of Genoa, Italy
Type of business or sector	Research
<i>Dates</i>	<i>January 2003–August 2004</i>
Occupation or position held	Research associate
Main activities and responsibilities	Research in planning for the disabled; planning via Boolean satisfiability
Employer	Consiglio Nazionale delle Ricerche, Rome, Italy
Type of business or sector	Research
<i>Dates</i>	<i>January 2000–August 2000</i>
Occupation or position held	Software engineer
Main activities and responsibilities	Development of 3D molecule display software
Employer	Sellic, Edinburgh, Scotland
Type of business or sector	ICT
<i>Dates</i>	<i>December 1997–July 1999</i>
Occupation or position held	Software engineer / system manager
Main activities and responsibilities	Development of software for a call centre; systems management; development and deployment of software for the management of a city-wide car park system
Employer	Antares Software and Education, Genoa, Italy
Type of business or sector	ICT
<i>Dates</i>	<i>January 1996–December 1997</i>
Occupation or position held	Software engineer
Main activities and responsibilities	Development of a testing environment for underground trains
Employer	X-Technologies, Genoa, Italy
Type of business or sector	ICT
Education and training	
<i>Dates</i>	<i>April 2018</i>

Title of qualification awarded	<i>National scientific qualification</i> as an associate professor of Bioengineering ("Abilitazione scientifica nazionale", settore 09/G2), valid until April 2027.
<i>Dates</i>	<i>July 1999–June 2005</i>
Title of qualification awarded	Ph.D. in Artificial Intelligence
Principal subjects / occupational skills covered	Automated reasoning, mathematical logics, formal verification of large, infinite-state systems
Name and type of organisation providing education and training	University of Edinburgh (Scotland)
Level in national or international classification	ISCED 6
<i>Dates</i>	<i>July 1998</i>
Title of qualification awarded	Professional qualification exam (esame di stato per ingegneri), grade 105/110
Name and type of organisation providing education and training	University of Genoa, Italy
Level in national or international classification	ISCED 5
<i>Dates</i>	<i>January 1991–June 1998</i>
Title of qualification awarded	<i>Laurea</i> in (M.Sc. equivalent) Electronic Engineering; grade 110/110
Name and type of organisation providing education and training	University of Genoa, Italy
Level in national or international classification	ISCED 5
<i>Dates</i>	<i>January 1986–January 1991</i>
Title of qualification awarded	High school diploma; grade 58/60
Name and type of organisation providing education and training	Liceo Scientifico M. L. King, Genoa, Italy
Level in national or international classification	ISCED 4

Personal skills and competences

Mother tongue Italian

Other languages

Self-assessment
European level ()*

English

German

Spanish

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	proficient	C2	proficient	C2	proficient	C2	proficient	C2	proficient
C1	proficient	C1	proficient	C1	proficient	C1	proficient	C1	proficient
B2	independent	B2	independent	B2	independent	B2	independent	B2	independent
A2	basic	A2	basic	A2	basic	A2	basic	A1	basic

(*) [Common European Framework of Reference \(CEF\) level](#)

English and German certified (*IELTS* 7.5 obtained 1999; *Goethe-Zertifikat* C1 74% obtained 2013)

Social skills and competences

I have been working in several international environments, each time being able to clearly communicate my ideas. I am lively and good at teaching, both at the technical level and as far as enthusiasm is concerned. I deal constructively with criticism.

Organisational skills and competences	I have good skills in coordinating other people's activities. I have supervised several Ph.D. and M.Sc. students in the past, and almost all of them have graduated with good marks and little stress. I think <i>stress is a bad thing</i> and believe in a careful organisation of time and work in order to avoid rushing.
Technical skills and competences	<p>Due to my career up to 2004, I earned a good knowledge of theoretical informatics and mathematical logics. My Ph.D. thesis has been awarded <i>Best Ph.D. thesis of the year</i> by the <i>Artificial Intelligence Italian Association</i>.</p> <p>In 2005 I have switched to machine learning applied to robotics for the disabled. My main research field is that of advanced prosthetics, in particular prosthetic control through non-invasive Human-Machine Interfaces. I believe the potential of this research, especially in medicine, is huge. I am in the process of transferring my approach to the clinical level.</p> <p>Besides that, I am fascinated by all problems involving data mining, adaptive and hostile-environment systems and pattern matching. Last but not least, I am enthralled by human-machine interaction from a psychological point of view, especially that of <i>radical constructivism</i> (Piaget, von Glasersfeld, Maturana).</p>
Computer skills and competences	Extensive knowledge of Windows, Linux, the MS Office suite, Matlab, C, C++, C#.
Artistic skills and competences	Singing (tenor); photography.
Other skills and competences	Swimming; blood donor (group 0-).
Driving licence	Italian, category B (cars). Additionally, I obtained a rally co-driver license in 1992.
Additional information	<p>I have (co)authored more than 100 academic papers appeared in international peer-reviewed conferences or journals. I am, or have been, involved in a number of EU and German projects. I am currently a member of some technical committees and editorial boards / conference program committees, and have been visiting several institutes around the world for scientific purposes. For example, I currently serve as an Associate Editor for <i>Frontiers in Neurorobotics</i>.</p> <p>In 2018 I have obtained the <i>national scientific qualification</i> as an associate professor of Bioengineering (<i>Abilitazione scientifica nazionale, settore 09/G2</i>), valid until April 2027.</p> <p>Please see my full curriculum vitae for more details.</p>
Annexes	(if required) reference letters; full academic curriculum vitae; official certificates of M.Sc., Ph.D. and so on; selected publications.