

Europass Curriculum Vitae



Personal information

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| 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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| E-mail | claudio.castellini@dlr.de | |
| Web | http://rmc.dlr.de/claudio.castellini | |
| 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

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| <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 |

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| 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> |

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| 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.

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| 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 | <i>(if required)</i> reference letters; full academic curriculum vitae; official certificates of M.Sc., Ph.D. and so on; selected publications. |