

Europass Curriculum Vitae

Personal information

Name / Surname

Address

Telephone

Personal Email

Work - Academia and Education

2021 - today

Basilio Lenzo

Tenure-track Senior Researcher - Vehicle dynamics and control

- Recipient of the Italian brain-gain program Montalcini
- Fulbright Research Scholar at Stanford University, USA

University of Padova, Padua, Italy

Senior Lecturer - Automotive Engineering

- Co-leader of the Bachelor Degree in Automotive Engineering
- Responsible for teaching key modules for mechanical-automotive engineering students
- Visiting researcher, German Aerospace Center DLR, Vehicle state estimation (2018)
- Visiting researcher, University of Naples, Italy, Vehicle dynamics modelling (2017)

Sheffield Hallam University, Sheffield, UK -

2015 - 2016

Post-Doctoral Research Fellow - Vehicle dynamics and control, including theoretical analyses and experimental tests on benches and proving grounds

University of Surrey, Guildford, Surrey, UK -

2013 - 2014

Post-Doctoral Research Fellow - Kinematics and dynamics of robotic mechanisms

Lecturer in Mechanics of Robots

Co-founder of Wearable Robotics srl, a University spinoff commercialising exoskeletons

Scuola Universitaria Superiore Sant'Anna, Pisa, Italy -

2013 (3 months)

Visiting Researcher - Exoskeleton design and testing

Columbia University, New York City, USA -

2013 (3 months)

Visiting Researcher - Exoskeleton design

University of Delaware, Newark, DE, USA -

2010 - 2013

PhD in Innovative Technologies of ICT and Robotics - curriculum Perceptual Robotics - 100/100 cum laude

Scuola Universitaria Superiore Sant'Anna, Pisa, Italy -

2009 - 2012

Assistant Lecturer / Tutor in Mathematics (2009) and Applied Mechanics (2011, 2012)

University of Pisa, Faculty of Engineering, Pisa, Italy -

2008, 2011, 2012, 2014

Teacher (part-time) - Solid Mechanics, Applied Mechanics, Fluid Mechanics

Technical High Schools ISIS Volta-Pacinotti, Piombino, Italy

Work - Industry

2010

R&D Experimentation Engineer, Formula 1 - Brake rig testing

Ferrari S.p.a., Gestione Sportiva, Maranello (MO), Italy -

Education and training

- 2008 - 2010 Master's Degree in **Mechanical Engineering** - 110/110 cum laude with "Excellence Award", Thesis at **Ferrari F1** "Modelling and experimentation of a braking system for Formula 1 cars" University of Pisa, Faculty of Engineering, Pisa, Italy -
- 2008 - 2010 Master's Degree in **Industrial Engineering** - 100/100 cum laude, Thesis at École Normale Supérieure, Paris, "FEM application on a rate dependent model of mode-II delamination" Scuola Universitaria Superiore Sant'Anna, Pisa, Italy -
- 2005 - 2008 Bachelor's Degree in **Mechanical Engineering** - 110/110 cum laude with "Excellence Award" University of Pisa, Faculty of Engineering, Pisa, Italy -

Skills

Mother tongue

Other language(s)

Certifications

Self-assessment
European level^()*

English

French

German

Chinese

Computer skills

Technical Courses

Further information

Italian

English, French, German, Chinese

English: TOEFL (2015), FCE (2008). French: DELF B1 (2011). Chinese: HSK-I (2011)

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

^(*) Common European Framework of Reference (CEF) level

Good hardware and software practice (Windows) - ECDL awarded at the age of 16

Software: (excellent) Matlab, \LaTeX , MS Office, (good) ANSYS, ProEngineer, AutoCAD, graphical and video-editing software, (basic) IPG CarMaker, ADAMS, Solidworks, Mathematica

Coordinator of the International Course **Vehicle Dynamics: Fundamentals and ultimate trends**, CISM (2019)

Advanced Professional Training **Vehicle Dynamics of Modern Passenger Cars**, CISM (2016)

Project Management, Fondazione CUOA (2014) - **Innovation and R&D**, Fondazione CUOA (2014) - **Business Administration**, QUEC (2014)

Vehicle Dynamics Conference, Stuttgart (2014)

Summer course "Multibody Dynamics in Practical Use", Lappeenranta University (2012) and "Principles of Aeronautics & Piloting Techniques", Università degli studi di Enna Kore (2012)

Courses of **safe driving** (2015, 2010, 2005)

First aid, Basic Life Support and other courses, Italian Red Cross (2002-2012)

Practice with traditional lathe and milling machine, CNC machine tools (ISO language)