

PERSONAL INFORMATION

Prof. Giuseppe Carbone



 Via P. Ovidio, 48 - 86079 Venafro (IS), Italy

 +39 347 7213124

 giuseppe.carbone@unical.it

 Skype Carbonegiu

Sex Male | Date of birth 23.10.1972 | Nationality Italian

WORK EXPERIENCE

Dec. 2018- today

Associate professor at Department of Mechanical, Energy, Management Engineering, University of Calabria, Italy (permanent position). The duties of this position include research and teaching duties.

March 2005 – Dec. 2018

Leading member of LARM: Laboratory of Robotics and Mechatronics (March 2005-December 2018)

The duties of this position included supervising or co-supervising a large number of students at bachelor, master and **PhD thesis** level including the supervision of many visiting scholars/researchers/professors from foreign countries such as Brazil, Mexico, Russia, Japan, Germany, Spain, Portugal, France, Finland, Kazakhstan. He has been also member of 18 PhD evaluation Commissions and vivas in Italy, Spain, Finland. It also included a significant individual research activity to identify innovative robot designs, design methodologies, validation procedures and strong activities for writing project proposals/applications for funding, dissemination of results including participation at meetings and conferences with frequent national and international travels (on average one every two weeks). It also included doing several research stays abroad in Germany, Spain, France, South Korea, Mexico, Brazil, Canada, and Japan within the many ongoing projects. Responsible of submissions for VQR (Italian equivalent of REF) resulting nationally the first in the area ranking at Dept. Level.

Dec. 2005- Dec. 2018

Assistant Professor at the Department of Mechanics, Structures, Environment and Territory, School of Engineering, University of Cassino (permanent position). The duties of this position included delivering several lectures/classes/courses such as mechanics of robots, industrial robots, mechanics of machinery, multibody systems dynamics, Fundamentals of Dynamics. In also included the participation and coordination of Erasmus exchange programs being member of the board for bachelor, master and Phd programs. Being member of committees for hiring Research associates, Postdoctoral candidates; line managing, supervising the research activities of a research team at LARM laboratory including PhD students, Post Docs, visiting professors from several well-reputed foreign institutions. Being member of the examination board for the National accreditation of Mechanical Engineer professionals. In the years 2008-2010 my duties also included establishing, designing and delivering teaching modules at the newly established Mechanical Engineering Career at Dept. of Agronomy, University of Molise in Campobasso, Italy. Since July 2017 wins a public selection as **Associate Professor** at University of Cassino and South Latium (Italy) Department of Civil and Mechanical Engineering, University of Cassino (permanent position). The duties of this position include delivering lectures such as mechanics of robots, multibody dynamics, line managing, supervising the research activities of a research team at LARM laboratory including PhD students, Post Docs, visiting professors from several well-reputed foreign institutions.

Sept. 2015- Sept. 2017

Senior Lecturer (September 2015-September 2017) at Department of Engineering and Mathematics, Sheffield Hallam University, delivering modules on Engineering Design, Engineering Design and Manufacture, Advanced Engineering Design, Computer Methods for Engineering Design, Product Testing, International Group Project, Vehicle Components Principles, Engineering Design Applications, Rail Engineering Principles, Processing and Packaging Machinery, Maths For Materials And Design at levels ranging from 4 to 7, establishing research activities and collaborations within the Sheffield Robotics Research Centre (joint centre between SHU and UoS) of which I have been nominated **member of the Executive board** as representative person for Sheffield Hallam University, Engineering and Mathematics Department. Within Sheffield Robotics I have been nominated as representative person for the "robotics manufacturing" research line. I have also got a lead role in the coordination of international student exchanges, placements and internships, including as Erasmus Co-coordinator for the Department of Engineering and Mathematics. Since 2018 he collaborates with Sheffield Hallam University as **visiting professor**.

EDUCATION AND TRAINING



Ministry of Education ANVUR, Italy On Sept 2018 received the National Habilitation as **Full Professor**.

Ministry of Education ANVUR, Italy On January 2014 received the National Habilitation as **Associate Professor**.

Ministry of Education ANECA, Spain On May 2010 received the National Habilitation as **Associate Professor**.

University of Cassino, Cassino, Italy

PhD. Degree awarded by Ministry of Research and Education on 2007 in the field of mechanical engineering for the thesis: *Stiffness Analysis of Multibody Robotic Systems* at Department of Mechanical and Civil Engineering, University of Cassino (November 2000 to March 2004)

Bachelor + Master Degrees in Mechanical Engineering with Major in Industrial Automation and Robotics (Graduated with summa cum laude =**First Class Honors**) on March 2000 at Department of Mechanics, Environment and Territory, University of Cassino.

PERSONAL SKILLS



Mother tongue(s) Italian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|-----------------|-----------------|--------------------|-------------------|-----------------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C2/fluent | C2/fluent | C2/fluent | C2/fluent | C2/fluent |
| Spanish | C2/fluent | C2/fluent | C2/fluent | C2/fluent | C1/proficient |
| German | B2/intermediate | B2/intermediate | B2/intermediate | B2/intermediate | B1/intermediate |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

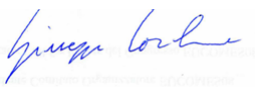
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ADDITIONAL INFORMATION



- Publications** About 350 published papers (see attached list)
Bibliometrics **Scopus h-index=19; citations 1357, n. of papers 199**
Google scholar h-index=27; citations 2747.
- Research projects** I have been principal investigator (PI) or co-PI of more than 20 projects including 7th European Framework and H2020 funds for a total direct funds exceeding 3 M€
- Invited professorships and Lectures** I have been invited to deliver **more than 20 invited keynote lectures/seminars** on my research activity at well-known Conferences, Events and Universities worldwide such as the invited keynotes at: CIMRS 2016 (Mexico), IcETran 2015 (Serbia), GDR ROBOTIQUE 2014 (France), SHUNK Expert Days 2013 (Germany). In 2016 I have also delivered three invited seminars in UK at King's College London (invited by Dr.Nanayakkara), at University of Liverpool in London (invited by prof. Yates), at University of Plymouth (invited by prof. Cangelosi).
I have been invited visiting professor at Waseda University, Tokyo, Japan (2008 and 2014), at Carlos III University of Madrid, Spain (2008-09). at Beihang University, Beijing, China (2013), University of Poitiers, Poitiers, France (2018).
- Industrial experience** Co-founder of the Italian Academic Spin-Off company "Mechanimata Ltd" together with other three full professors. Since its foundation, **I have been nominated President** with also full CEO rights at "**Mechanimata Ltd**" company. The main aims of Mechanimata Ltd include **exploitation of patents** and consultancies.
Consultancies, technologic transfers, collaborations with many companies (such as FIAT, SOGIN, Videocolor, Marangoni, ItalgasBeton, SKF, LaserAid).
- Advisory Roles** **Independent Expert Evaluator of National/International Projects** in Italy (Ministry of Education and Research, 2013-2015; Campania Region, Sardegna Region, University of Florence, University of Modena and Reggio Emilia, University of Campania), Slovak Republic (Slovak Academy of Science 2014-2016), Serbia (Ministry of Education and Research 2016-); Romania (Ministry of Education and Research 2016-), Bulgaria (Bulgarian National Science Foundation 2016-), H2020 FET-OPEN (2016-), Latvia (Central Finance and Contracting Agency 2017-), New Zealand (MARS DEN FUND 2017-), United Kingdom (EPSRC, Innovate UK 2017-).
President and CEO of the Italian Academic Spin-Off company "Mechanimata Ltd" since 2014 to 2018.
Since 2003, member of the *Organizing Committee, International Program Committee, the Editorial Board, Editor In Chief, Associate Editor, member of the Steering Committee, Associated Editor* for about 20 International Journals and conferences.
Voting member of IFToMM Technical Committees for "Multi-body Dynamics" and for "Robotics and Mechatronics" since 2008.
Appointed as **National Treasurer** of the Society "**IFToMM Italy**" for the terms 2013-15 and 2015-2019. This position is elective (**through national ballot**). Members of this society include about 70% of all the Italian Academics in Engineering Design topics.
- Editorial Duties** Member of the **Editorial Board, Editor In Chief, Associate Editor, member of the Steering Committee, Associated Editor** for about 20 International Journals and Conferences such as International Journal Robotica (Cambridge University Press), Scientific World Journal (Area Mechanical Engineering), Journal of Advanced Mechanical Engineering, AE for IEEE ICRA 2011 to 2015, IEEE/RSJ IROS 2011 and 2012, IFToMM World Congress 2015-2019, MESROB 2018, IFIT 2018, .
I have been invited to peer review more than 20 papers each year by invitation of more than 70 well-known international Conferences and Journals such as Mechanism and Machine Theory, IEEE Transactions on Robotics, IEEE/ASME Transaction on Mechatronics, ASME Journal of Mechanical Design, International Journal of Mechanical Engineering Science (Proceedings of the Institution of Mechanical Engineers, Parts C, G, H, K, I).
- Honours and awards** **I have been receiving a significant track record of National and International Awards** including three IFToMM "Young Delegate" Awards (in 2003, 2006, and 2007); two Japan Society of Promotion of Science JSPS Awards (in 2008 and 2014); **15 Best Paper Awards** such as at RAAD 2003, at IEEE AQTR 2008, at EUCOMES 2012, at RAAD 2017, at IFIT 2018.

29/05/2019



ANNEXES

List of publications