

FRANCESCO MARINELLO

SHORT CV



PERSONAL DETAILS:

Name:	Marinello, Francesco	
Date and place of Birth:	July 21 th , 1978, Piove di Sacco (PD), Italy	
Office Address:	Viale dell'Università 16, 35020, Legnaro (Padova), Italy	
Tel.:	Mobile	+393495810250
	Office	+390498272722
e-mail:	francesco.marinello@unipd.it	
Other links:	https://www.scopus.com/authid/detail.uri?authorId=16230574000 https://www.researchgate.net/profile/Francesco_Marinello https://orcid.org/0000-0002-3283-5665 https://twitter.com/marinello_unipd	
Main experiences	<ul style="list-style-type: none">• Full professor, University of Padova (Italy) [since 08/01/2024]• Adjunct professor, University of Georgia (USA) [current]• Researcher, University of Applied Sciences and Arts of Southern Switzerland (Switzerland) [2010-11]• Visiting Professor, Technical University of Denmark (Denmark) [2010]• PhD, Technical University of Denmark (Denmark) [2005-06]• Resarcher, Nanotechnology inter-university center (Italy) [2008-2010]• Editor in chief (Computer and Electronics in Agriculture, Elsevier)• Associate editor (Plant Methods, Springer-Nature)• Editor in chief (Agriculture, Section Digital, MDPI)• 194 papers indexed by Scopus, H-Index: 33	

EDUCATION AND PROFESSIONAL EXPERIENCE:

EDUCATION

Francesco Marinello got:

- 2003
Master degree (110/110) in Mechanical Engineering, from University of Padova (Italy).
- 2003
6 months scholarship at the Department of Electronic Engineering (University of Padova).
- 2007
Doctorate in Manufacturing Engineering in joint supervision with the University of Padova and the Technical University of Denmark (DTU). The final thesis was awarded with the first prize at the Regional Prize for Innovation 2007.

PAST and PRESENT EXPERIENCE

Marinello had work experience in both private company and public organizations:

- 2007
Visiting Assistant Professor at IPL (DTU), in connection with the EU-project “Universal and Flexible 3D Coordinate Metrology and Nano Components Production”.
- 2007-2010
Four years research fellowship at the Department of Manufacturing Engineering and Management (University of Padova) for a project on metrology and development of standards for thin films characterization), in collaboration with Veneto Interuniversity Centre for Nanotechnology (CIVEN).
- 2010-2011
Researcher at the University of Applied Sciences and Arts of Southern Switzerland (SUPSI) with teaching activities in mechanical engineering and metrology courses.
- 2011-2012
R&D and metrology responsible in a private company (Metersit srl).
- 2012-2020
Researcher (permanent position) at the University of Padova (Italy), in the field of agricultural mechanics, and adjunct professor with courses on “Agricultural Mechanics”, “Applied Statistics” and “Unmanned Aerial Vehicles for Precision Agriculture”.

At present Marinello is:

- 2016-present
Adjunct professor at the University of Georgia (USA) with a course on “Precision Farming”.
- 2020-2023
Associate Professor (permanent position) **at the University of Padova (Italy)**, with courses on “Agricultural Mechanics”, “Applied Statistics”, “Precision Farming”, “Sustainable Resource-Efficient Food Production and Processing” and “Unmanned Aerial Vehicles for Precision Agriculture”.
- Since 08 January 2024
Full Professor (permanent position) **at the University of Padova (Italy)**.

OTHER ACADEMIC ACTIVITIES

Francesco Marinello promoted as a **member of the scientific committee**:

- Second cycle degree - master of science in Sustainable Agriculture (dual degree University of Padova, Italy and University of Georgia, USA);
- a post graduate Master’s degree in GIScience and unmanned aerial vehicles for integrated management of land and natural resources (University of Padova).

Francesco Marinello is or has been main **supervisor** of:

- more than 200 students during their bachelor thesis project
- more than 40 students during their master thesis project
- 8 PhD students
- 4 postdoc

Additionally he has contributed as co-supervisor to the activities of other undergraduate and postgraduate students.

EDITORIAL ACTIVITY

Main editorial activity includes:

- Editor in chief of Computers and Electronics in Agriculture (Elsevier)
- Associate Editor of Plant Methods (Springer Nature)
- Section Editor in chief Agriculture (MDPI)
- Editorial Board member of Data in Brief (Elsevier)
- Editorial Board member of AgriEngineering (MDPI)

Additionally he has been the guest editor for a book and for four special issues:

<https://www.springer.com/gp/book/9783642274930>

https://www.mdpi.com/journal/agriculture/special_issues/sensors_application

https://www.mdpi.com/journal/agriculture/special_issues/engineering_rural_development

https://www.mdpi.com/journal/agriculture/special_issues/agriculture_anniversary

https://www.mdpi.com/journal/agriculture/special_issues/HOJF5J82ZN

REVIEWER ACTIVITY

Francesco Marinello has been reviewer for national and European projects:

- Reviewer for 5 projects from Italian university proposals
- Reviewer for two regional projects (total amount 2.8 M€)
- Reviewer for 4 Horizon projects (total amount >25 M€)
- Reviewer for 9 Cyprus projects (total amount >25 M€)
- Reviewer for 26 projects based on European funds (total amount > 30 M€)
- Advisor for 2 international project on advanced education.

Francesco Marinello is reviewer for several scientific journals: activity has been recognized by several Top Reviewer awards, as reported in Webofscience webpage. See:

<https://www.webofscience.com/wos/author/record/H-5619-2019>

RESEARCH ACTIVITY

The scientific background has grown up at a national and international level, with active involvement in projects, in collaboration with other university and industrial research centers.

Research activities can be divided into the following scientific lines:

- development, implementation and testing of new sensors allowing advanced data collection (including ground, drone and satellite sensing for monitoring of soil, plants or machines) for agricultural and environmental analyses;
- study, modeling and testing of environmental impact (carbon footprint, water footprint, digitization footprint);
- biomasses, bioresources and bio-energies;
- application of advanced techniques, including machine learning, artificial intelligence, IoT.

Research activity has been awarded with several prizes as the CLAAS Foundation Innovation Prize in 2015, the Alan Glanvill Award in 2013 and the Regional Prize for Innovation in 2007.

Research activities are carried out in collaboration with national as well as international companies operating in the field of agriculture, as for instance Fendt/Agco Group, John Deere, Topcon, Foton Lovol International Heavy Industry, etc.

FUNDED RESEARCH PROJECTS

Funded Research in the last years includes:

- The Swedish Farmers' Foundation for Agricultural Research Project, "A measuring platform to determine soil and plant properties, especially in relation to seedbed properties" (Project n° H1160236, 2012-2014)
- University project, "Development of a novel sensor for in-field detection and quantification of grapes" (2015-2017)
- European Project - Intelligent Energy Europe Program, "GRass as a GReen Gas Resource: Energy from landscapes by promoting the use of grass residues as a renewable energy resource" (Project n° IEE/12/046, 2013-2016)
- European Project - LIFE Program, "AGRICARE Innovative Green Farming" (Project n° LIFE13 ENV/IT/000583, 2014-2017).
- European Project – Programme H2020-EU.3.5.2. - Protection of the environment, sustainable management of natural resources, water, biodiversity and ecosystems, "Visionary nature based actions for heath, wellbeing & resilience in cities (VARCITIES)" (Project ID: 869505).
- European Project – Programme EAC/A02/2019, Key Action 2: Cooperation for innovation and the exchange of good practices, "The farmer's toolbox for climate change mitigation" (2020-1-IT01-KA226-VET-008891).

PUBLICATIONS

Francesco Marinello is author and co-author of:

- 4 patents

- more than 200 papers (202 indexed by Scopus) published in journals or presented at national and international conferences. More than 30 papers have been published in collaboration with colleagues from Chinese universities.

At present Marinello has an H-index=34.

For full list of works see <https://www.scopus.com/authid/detail.uri?authorId=16230574000>

Padova, 18/03/2024

Francesco Marinello


