

PERSONAL INFORMATION

Domenico Longo



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Sex: male | Date: of birth 14/02/1972 | Nationality: Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input checked="" type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

December 2011 – at present

Researcher

Department of Agriculture, Food and Environment (Di3A) at University of Catania (UNICT)

▪ Teaching University courses, tutoring dissertation thesis, research activity

Agricultural machine, Robotics/mechatronics, in-field activity, sensors, electronic design, software design, data analysis

2005 – 2011

Research Fellow

Department of Electrical and Electronic Engineer (DIEEI) at University of Catania (UNICT)

Robotics/mechatronics, in-field activity, sensors, electronic design, software design, data analysis

EDUCATION AND TRAINING

2005

Ph.D. in Electronic Engineering and Automation

Development of full robotic systems for non-destructive inspection of vertical walls with different gripping techniques

University of Catania

2001

Master Degree in Electronic Engineering

With classes in robotics, industrial automation, microelectronics, computer network and telecommunications, computer architecture, measurements and instrumentation.

University of Catania

WORK ACTIVITIES

Institutional position

Member of the Academic Board of the international Ph.D. course in "Agricultural, Food and Environmental Science" from 2013 to 2016 (University of Catania).

- Editorial activity** Guest Editor for the Special Issue “Pesticide Applications in Agricultural Systems” in Applied Sciences (MDPI Editions)
 Guest Editor for the Special Issue “Worker Safety in Agricultural Systems” in Applied Sciences (MDPI Editions)
- Spin-off** Co-Founder of Etnamatica srl, spin-off of University of Catania (2012 - at present)

PERSONAL SKILLS

Mother tongue(s) Italian
 Other language(s) English

Job-related skills Design of high-precision analog electronics circuits, design of digital systems, design and production of electronic systems. Design and implementation of environmental monitoring stations.

Digital skills Programming languages (Delphi, C++, Python, Javascript, Matlab, Arduino), full-stack development for embedded systems from 8-bit MCU to 32-bit multicore MCU in multi-threaded environment; web pages and web-application development for embedded systems; most common utilities like Office and similar; different CAD environment for EDA-CAM. Simple telecommunications system design; computer network knowledge.

ADDITIONAL INFORMATION

Publications total number of publications in peer-review journals: 61
 total number of citations: 656
 H index: 14

Projects WATER4AGRIFOOD - “Improvement of Mediterranean agri-food production in conditions of water resources scarcity” PON “Research and Innovation” 2014-2020
 POFACS - “Conservabilità, qualità, sicurezza dei prodotti ortofrutticoli ad alto contenuto di servizio” PON “Research and Innovation” 2014-2020
 S2-FAIR “Safe and Smart Farming with Artificial Intelligence and Robotics”, founded by UniCT - Linea2 PIACERI (Principal Investigator)
 MUR PRIN 2017 “INtegrated Computer modeling and monitoring for Irrigation Planning in ITaly – INCIPIT”
 SiciliAn MicronanOTech Research And Innovation Center “SAMOTHRACE” – PNRR 2022