EUROPEAN CURRICULUM VITAE

PERSONAL INFORMATION

Name	**MARCHEGIANI ENRICO**
Address	
Telephone	
Fax	
E-mail	
Nationality	Italian
Date of birth	

WORK EXPERIENCE

• Dates (from – to)	September 2018 – today
• Name and address of employer	Revolt srl, Ancona
• Type of business or sector	Engineering, Machine Learning and data science techniques applied to industry 4.0.
• Occupation or position held	Particular focus on data driven and model based electrical storage analysis:
	- Computational intelligence for real-time state of health prediction
	- Model fusion for aging degradation analysis using ML methodologies
	- V2G simulation for load management and energy planning scenario. Integration of intelligent torque prediction technique for driver profiling and energy consumption
	Data scientist and Project Manager
• Dates (from – to)	February 2022 – today
• Name and address of employer	Università Politecnica delle Marche, UnivPM, Ancona
• Type of business or sector	Engineering and data science applied to energy context
• Occupation or position held	Postdoctoral researcher with focus on: "Data analysis of innovative storage system: power-to-gas and second life batteries"
• Dates (from – to)	November 2018 – today
• Name and address of employer	Università Politecnica delle Marche, UnivPM, Ancona
• Occupation or position held	Python lecturers in:
	- "Assistive robotics", master course in Biomedical Engineering
	- "Sistemi di Accumulo e loro gestione", master course of Mechanical Engineering
	Matlab lecture in:
	- "Impianti elettrici", bachelor course of "Industrial and information system"
• Dates (from – to)	January 2022 – February 2022
• Name and address of employer	ELIS, Rome
• Type of business or sector	Teaching in bachelor course in Ingegneria Digitale in collaboration with Politecnico di Milano Politecnico di Milano (PoliMi)
• Occupation or position held	Lecturer: Laboratory of Python and Machine Learning course (24 hours)
• Dates (from – to)	September 2021 – October 2022
• Name and address of employer	ELIS, Rome
• Type of business or sector	Teaching in MIDAS (Master in AI & Data Science)
• Occupation or position held	Professor of Python course (30-33 hours)

Course held twice

• Dates (from – to)	September 2021 – December 2022
• Name and address of employer	Università Politecnica delle Marche, UnivPM, Ancona
• Occupation or position held	Matlab lecturers in Impianti elettrici (Electrical systems) course in bachelor's degree of Industrial and information system

• Dates (from – to)	September 2011
• Type of business or sector	Agricolture
• Occupation or position held	agricultural operator in grape harvest
• Dates (from – to)	November 2018 – January 2022
• Name and type of organisation providing education and training	PhD student, department of Information Engineering, Università Politecnica delle Marche
	Research field: Artificial intelligence and modeling techniques applied for industrial and energy context. Innovative solution for smart integration of electrical storage
	Thesis title: Aging modeling and analysis of electrical storage in e-mobility and smart grid applications
• *Dates (from – to)*	From october 2015 to July 2018 with 110/110 cum laude

• Name and type of organisation providing education and training	Master student of the english course (taught entirely in English) of Biomedical Engineering at Università Politecnica delle Marche
	Erasmus thesis project in Netherlands, from August 2017 to February 2018
	Thesis Title: "Psychophysiological Stress Observer-based Control via Heart Rate Entrainment"
• Dates (from – to)	From 2011 to 2015
• Name and type of organisation providing education and training	Bachelor in Biomedical Engineering at Università Politecnica delle Marche graduated with 98/110

Graduated from scientific high school in 2011
Exchange student in New Zealand at the Wellington High School in 2010;

• Title of qualification awarded	Qualification to the profession of information engineer (Ingegnere dell'informazione)

Certification CLAD (Certified LabVIEW associate developer) released by National Instrument

Chinese language course for beginners, released from linguistic academic support centre (C.S.A.L.) of Marche Polytechnic University

PUBLICATIONS	*Conference proceeding:*
	"Statistical Baseline Assessment in Cardiotocography" in Engineering in Medicine and Biology Society (EMBC 2017) 39th Annual International Conference of the IEEE
	"Psychophysiological stress control via heart rate entrainment" in Zooming Innovation in Consumer Technologies Conference (ZINC 2019). RH Cuijpers, ETK van Dijk, S Longhi, E Marchegiani, A Monteriù
	"Sparse Approximation of LS-SVM for LPV-ARX Model Identification: Application to a Powertrain Subsystem". In AEIT International Conference of Electrical and Electronic Technologies for Automotive (AEIT AUTOMOTIVE 2020). Cavanini, L., Ferracuti, F., Longhi, S., Marchegiani, E., & Monteriù, A.)
	"An Open Source Electric Vehicle Simulator With Battery Aging Modeling" in 11TH IEEE International Conference on Consumer Technology (ICCE BERLIN 2021). Ciabattoni, L., Ferracuti, F., Marchegiani, E., & Monteriù, A.
	Journal:
	"A comparative study of driver torque demand prediction methods" in IET Intelligent Transport Systems. Luca Cavanini, Lucio Ciabattoni, Francesco Ferracuti, Enrico Marchegiani, Andrea Monteriù
MOTHER TONGUE	**ITALIAN**
OTHER LANGUAGES	
	ENGLISH
• Reading skills	EXCELLENT
• Writing skills	EXCELLENT
• Verbal skills	GOOD
SOCIAL SKILLS AND COMPETENCES *Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.*	SOCCER AND RUGBY PLAYER VOLUNTEER AT CARITAS ASSOCIATION, WORKING WITH ADULTS AND KIDS; SCOUT LEADER, CATHOLIC ACTION EDUCATOR AND LEADER IN PARISH ORATORY IN CONTACT WITH ADOLESCENTS AND YOUNGS FROM 10 TO 21 YEARS OLD
ORGANISATIONAL SKILLS AND COMPETENCES	COORDINATOR OF PARISH ACTIVITIES AND RECREATIONAL ACTIVITIES FOR KIDS, ADOLESCENTS AND YOUNGS
TECHNICAL SKILLS AND COMPETENCES *With computers, specific kinds of equipment, machinery, etc.*	PYTHON, MATLAB, SIMULINK, LABVIEW, WINDOWS, C#, LINUX
ARTISTIC SKILLS AND COMPETENCES *Music, writing, design, etc.*	GUITAR PLAYER AMATEUR MUSICAL DANCER
DRIVING LICENCE(S)	B Italian driving licence A3 Italian driving licence
ANNEXES	1) CLAD CERTIFICATION 2) CHINESE LANGUAGE CERTIFICATION