

PERSONAL INFORMATION **Giovanni Bianco**

Gender | Date of birth | Nationality

PREFERRED JOB energy and nuclear engineer, industrial and management engineer

WORK EXPERIENCE

Nov 2021 - present

Research fellow customer scouting and model development
Ansaldo Energia - GENOVA (GE) Italy
Business or sector Engineering and design , consultancy (management, legal, accounting, ...)

Nov 2019 - Nov 2021

Research fellow
Research
Regione Liguria - GENOVA (GE) Italy
Business or sector R&D and patents , energy, gas, water, mining

Sep 2008 - Nov 2019

athlete athlete of RN Savona, taking part in the event in which the club participates:
national championship coppa
italia
European cups
Rari Nantes Savona , Corso Colombo 3,17100 - Savona Italia - SAVONA (SV) Italy

Jun 2017 - Aug 2017

energy system expert air-conditioned system design
Boneschi s.r.l. , Via C.Augusto Vecchi 16A - GENOVA (GE) Italy
Business or sector Engineering and design , mechanical engineering and precision engineering

- present

Electrical Engineering

EQF level 8

- 2019

Università degli Studi di GENOVA
Doctor of Philosophy (Ph.D.)**ENERGY ENGINEERING**

EQF level 7

Università degli Studi di GENOVA - Department of Mechanical, Power, Industrial and Transport Engineering
2nd level-cycle degree/Master of Science (2 years)*Principal subjects/occupational skills covered:*

conducted a research period of six month at Massachusetts Institute of Technology, during that period I conducted a research work related to my Master's thesis at the Active Adaptive Control Laboratory at MIT in Cambridge under the supervision of Dr. Senior Research Scientist Anuradha M. Annaswamy. Date of graduation: March 28th 2019 Final grade: 110/110.

Thesis title: 'Modeling of a Storage System in a Microgrid Context'

- 2016

INGEGNERIA INDUSTRIALE - GESTIONE ENERGIA AMBIENTE

EQF level 6

Università degli Studi di GENOVA - Department of Mechanical, Power, Industrial and Transport Engineering
1st level-cycle degree/Bachelor (3 years)*Principal subjects/occupational skills covered:*

Date of graduation: September 29th 2016 Final grade: 99/110.

Thesis title: 'Analysis of economic benefits derived by the use of a microgrid and its energy management system'

Postgraduate studies

OTHER TRAINING COURSE

2018 - 2019 (6 months)

Visiting Student

Massachusetts Institute of Technology

Description: I was a guest for six months, during which I conducted a research work related to my Master's thesis, of the Active Adaptive Control Lab. At MIT in Cambridge under the supervision of Dr. Senior Research Scientist Anuradha M. Annaswamy

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

UNDERSTANDING				SPEAKING				WRITING	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient	C1	Proficient

English

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

Linguistic experience(s)

Personal initiative

Tesi di Laurea, Visiting Student MIT

Language: English

Duration of studies in months: 6

Foreign country where the academic studies were carried out: Cambridge (United States of America)

Description: I was a guest for six months, during which I conducted a research work related to my Master's thesis, of the Active Adaptive Control Lab. At MIT in Cambridge under the supervision of Dr. Anuradha M. Annaswamy

Digital competences

SELF-ASSESSMENT				
INFORMATION PROCESSING	COMMUNICATION	CONTENT CREATION	SAFETY	PROBLEM SOLVING
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Basic digital competence:

OFFICE AUTOMATION

Office Suite: (Highly Specialised) | **Presentation Software:** (Highly Specialised) | **Spreadsheets:** Microsoft Excel (Highly Specialised) | **Web Browser:** (Highly Specialised) | **Word Processors:** (Highly Specialised)

APPLICATION SOFTWARE CAD - Assisted Design: (Intermediate) | **Data Visualization:** MATLAB (Highly Specialised)

COMPUTER PROGRAMMING

Programming languages: C++ (Highly Specialised) , MATLAB (Highly Specialised) , Python (Intermediate)

SYSTEMS AND NETWORKS MANAGEMENT Network architecture: (Intermediate) | **Operating systems:** (Highly Specialised)

DATA MANAGEMENT DBMS: Microsoft SQL Server (Advanced)

GRAPHICS AND MULTIMEDIA (Intermediate)

Driving licence

B

PUBLICATIONS

Journal articles

"Key performance indicators for a local energy community based on sustainable technologies"; Giovanni Bianco¹, Barbara Bonvini², Stefano Bracco^{1,*}, Federico Delfino¹, Paola Laiolo², Giorgio Piazza¹ ; Sustainability ; MDPI (2021)

Conference proceedings

"Simulation Models for the Evaluation of Energy Consumptions of Electric Buses in Different Urban Traffic Scenarios" ; Stefano Bracco, Giovanni Bianco, Silvia Siri, Cecilia Barbagelata, Enrico Siri, Consuelo Casati ; IEEE (2021)

"A Building Energy Management System Based for demand response in smart grids" ; G. Bianco, S. Bracco, F. Delfino, L. Gambelli, M. Robba, and M. Rossi ; International Conference on Automation Science and Engineering ; IEEE (2020)

"A Demand Response Energy Management System (DR-EMS) for Sustainable Districts" ; G. Bianco, S. Bracco, F. Delfino, G. Ferro, L. Parodi, M. Robba, and M. Rossi ; International Conference on Control ; IEEE (2020)

Journal articles

"A building energy management system based on an equivalent electric circuit model" ; Bianco G., Bracco S., Delfino F., Gambelli L., Robba M., Rossi M. ; Energies ; MDPI (2020)
www.mdpi.com/1996-1073/13/7/1689 **ADDITIONAL INFORMATION**

2006 selected for the Liguria Regional team to participate to the Regions' Tournament in Rome. My team won the tournament, I was awarded best player of the tournament.

At 14-years-old, I debuted in the National League and promptly recruited by RN Savona, for which I played for both junior and the major league teams.

In 2012, with RN Savona, I secured the winning of the National Junior Championship (Under-20) with my junior team, and I won the Ligue Européenne de Natation (LEN) Euro Cup Championship for European clubs playing with the major league team.

In 2009 and 2011, I was drafted by the Junior Italian National Water Polo Team (Under-18 and Under-20) and I participated to the FINA Junior Water Polo World Championships.

In 2013 I was drafted by the Italian National Major team (7Bello) and played my debut game at the FINA Water Polo World League (Montenegro vs Italia).