

PERSONAL INFORMATION

Giuseppe Gianni



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Nationality Italian

WORK EXPERIENCE

Jul 2014

ABB Study Tour: "Smart Energy for a Better World"

ABB Corporate Research Center, Krakow (Poland)

The study tour provided insights into the following topics: Advanced numerical simulations, Power Electronics, Transients phenomena, Smart Protection, Advanced diagnostics, Electronics, Ferroresonance phenomena.

Apr 2013–Jul 2013

Team Management Trainer

Telecom Italia SpA - Working Capital Accelerator, Catania (Italy)

Preparing and delivering activities and workshops designed for the startups' team selected for accelerator startup programs.

Apr 2012–Nov 2012

Internship | Power Electronics

DIEEI - Electrical and Electronics Engineering Department, Catania (Italy)

- Researches on the MPPT algorithms for PV Systems under partial shadow conditions.
- Matlab and Simulink modelization of PV arrays, dc-dc converter and P&O MPPT controller.

EDUCATION AND TRAINING

Sep 2016–Sep 2017

Specialization in Power Electronics

University of Colorado Boulder

Converter Circuits, Converter Control, Advanced Converter Control Techniques, Magnetics for Power Electronic Converters, Capstone Design Project in Power Electronics.

Nov 2012–Present

Master Degree in Electrical Engineering

University of Catania, Catania (Italy)

Main subjects: Power Electronics, Electric Energy Systems, Dynamic and Control of Electric Energy Systems, Industrial Automation, Electrical Drives, Electrical Machines, Dynamic of Electrical Machines, Electromagnetic Compatibility, Electrical and Electronics Measurement, Sensors, Electrotechnics II: Numerical Modelling, Filters, Transmission Lines.

Oct 2005–Nov 2012

Bachelor Degree in Electronic Engineering

University of Catania, Catania (Italy)

Main subjects: Electronic Devices, Analog & Digital Electronics, Power Electronics, Robotics and Intelligent Control, Automation and Control Engineering, Artificial Intelligence, Telecommunications, Antenna & Wave Propagation, Programming.

Thesis in Power Electronics: Optimization of an MPPT P&O Algorithm in Partial Shadow Condition (Simulink Modelling of PV System and Converter)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
University of Cambridge ESOL Certification: Preliminary English Test (B1)					
French	A2	B1	A2	A2	A1
Spanish	B1	B1	A2	A2	A1

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

Communication skills ■ Confident in preparing effective presentations and speak in public in Italian and English.

Organisational / managerial skills ■ Good Team Working skills, developed in many different curricular (e.g. group assignments) and extracurricular activities (e.g. student organizations).
 ■ Goals and Productivity oriented, always willing to learn new things (reading technical books, travelling and participating to workshops).
 ■ Passionate in Project Management, used to exploit techniques/tools as Work Breakdown Structure (WBS), Critical Path Method (CPM), Gantt Chart.

Job-related skills ■ Hardware design (worst case analysis, component selections, magnetics design, schematic drawings, layout)
 ■ Laboratory Instrumentation (Oscilloscope, voltmeter, amperometer, multimeter, signal generators, power analyzer, etc)
 ■ SMPS and Power Electronics Converters

Digital competence ■ MATLAB and Simulink, LabVIEW
 ■ OrCAD PSpice, LTSpice
 ■ Altium Designer
 ■ PLC programming languages (*IEC 61131 standards*: LD, FBD, SFC)
 ■ Numerical Simuations: Maxwell 2D, Ansys HFSS.
 ■ LaTeX and Microsoft Office Suite (Project, Word, Excel, Power Point, Access, etc)
 ■ Microcontroller Programming: Atmel Studio (basic) and Arduino IDE.

ADDITIONAL INFORMATION

Memberships Familiar with working in an international environment, having held leadership positions in AEGEE / European Students' Forum (~23000 members) and EESTEC / Electrical Engineering Students' European assoCiation (~6000 members).
 Founder of Youth Engineering LAB, no profit organization with the aim to empower students in their technical and soft skills.

Personal Data I authorise the processing of my personal information under D.Lgs. 196/03.