

Europass Curriculum Vitae



Personal Information

Surname, Name

Rinaldi, Gianmario

Nationality

Italian

Date of Birth

26th April 1992

Address

Via Ferrata 5, 27100, Pavia (PV), Italy

Email

gianmario.rinaldi01@universitadipavia.it

Telephone

0039 0382 985796

Education and Training

Present (from November 2016)

Ph.D Student at the University of Pavia,

► **Affiliation:** Department of Electrical, Computer and Biomedical Engineering, Identification and Control of Dynamic Systems Laboratory

► **Field of Research:** Power Systems Monitoring and Control

► **Supervisor:** Prof. Antonella Ferrara

28th October 2016

Master Degree in Electrical Engineering at the University of Pavia:

► **Score:** 110 CUM LAUDE/110

► **Title of the Thesis:** Distributed Observers for State Estimation in Power Grids

► **Advisor:** Prof. Antonella Ferrara

► **Co-advisor:** Dr. Prathyush P. Menon, University of Exeter, UK

Present (from September 2011)

Student of *Collegio Ghislieri* of Pavia, an institution committed to promote University studies on the basis of merit

22nd September 2014

Bachelor Degree in Energy Engineering at the University of Pavia:

► **Score:** 110 CUM LAUDE/110

► **Title of the Thesis:** Iberian Electrical Market analysis and simulation of the integration in the European Market in 2020

► **University Tutor:** Prof. Mario Montagna

► **Supervisor:** Eng. Stefano Rossi- RSE SpA

Present (from September 2013)

Tutoring experiences (students assistance) at the Faculty of Engineering of the University of Pavia focused on the following topics:

► Electrical Circuit;

► Thermodynamic and Heat Transfer;

► Calculus I and Calculus II;

July 2011

High School Diploma at Liceo Scientifico Balilla Pinchetti, Tirano (SO)-Italy:

► **Score:** 100/100

► Winner of an award for the High School Diploma

Working Experiences

From May to July 2014

Stage experience (225 hours) at RSE SpA (research center in electrical and energy sector), Milan-Italy:

► Experience in view of the Bachelor Degree in Energy Engineering

► **Aim:** Iberian Electrical Market analysis and simulation of the integration in the European Market in 2020

► **Supervisor:** Ing. Stefano Rossi

► **University tutor:** Prof. Mario Montagna

September 2013

Stage experience (80 hours) in Zero Energy, an engineering service in Ponte in Valtellina (SO), Italy:

► Buildings energy analysis, using the professional software “Edilclima EC 700”

► Drawing and analysis of floor heating systems, in buildings and industries, using the software “Autocad”

► Tours of the construction sites directed by Zero Energy

Experiences Abroad

From March to September 2016

Erasmus Traineeship Visiting Student-University of Exeter-College of Engineering, Mathematics and Physical Sciences-Exeter-United Kingdom:

► Master Course Thesis project (power grid state estimation based on distributed observers)

► Advisors: Dr. Prathyush P. Menon (University of Exeter), Prof. Christopher Edwards (University of Exeter) and Prof. Antonella Ferrara (University of Pavia)

August 2015

Visiting student-St.John's College-Cambridge-United Kingdom:

► Winner of a fellowship promoted by *Collegio Ghislieri* of Pavia

Personal Skills

Mother Tongue

Italian

Other Languages

English-Professional Knowledge

► Certification: Studio Cambridge Summer Course -August 2015-Level C₁ (Common European Framework of Reference (CEF) level)

► Certification: First Certificate in English (University of Cambridge Esol Examination)-Level B₂ (Common European Framework of Reference (CEF) level)

German-Basic Knowledge

► Certification: Start Deutsch 2 (Goethe Institut)- Level A₂ (Common European Framework of Reference (CEF) level)

Computer Skills and Competences

► **ECDL** certification

► **C Language**

► **Matlab and Simulink** (programming, simulation of dynamic systems)

► **L^AT_EX and L_AT_EX** (professional software for formatting of technical and scientific papers)

► **Autocad and Autodesk Inventor** (professional software for 2D and 3D technical drawing)

► **Comsol Multiphysics and Magnet** (Electric and Magnetic Field Simulations -FEM method)

Artistic Skills and Competences

► Singer (tenor) at the *Coro Universitario del Collegio Ghislieri* of Pavia

Attachments

► Singer (tenor) at the *Coro Monti Verdi* of Tirano

► Attachment 1-Publications

28th March 2017

Gianmario Rinaldi

Attachment 1-Publications

1. G. Rinaldi, P. P. Menon, C. Edwards, and A. Ferrara, “Distributed observers for state estimation in power grids,” in Proc. American Control Conference, Seattle, WA, USA, 2017 (TO BE PRESENTED).