



Giovanni Petrecca
Mobile +39 335 6001272
gp.petrecca@gmail.com

Date of birth 11/12/1944 in Milano, Italy

Work experience

1972-1979 Associate Professor of Electrical Drives, University of Pavia and Politecnico of Milano

1977-1984 Chairman of the Department of Electrical Engineering, University of Pavia, Italy

1980-2012 Full Professor at the Faculty of Engineering, University of Pavia, Italy-Chair of energy conversion

Retired. In the period 2012-2015 Adjoint professor – Energy Conversion - Faculty of Engineering, University of Pavia, Italy 1983-June 2014 CEO of CSE srl, a consulting company in the field of energy and environment belonging to Edison/EDF Group since October 2012

2014-2017 Senior consultant of Edison Energy Solutions

2017-2021 Senior consultant of TEKNE ESCo

Since 2014 Managing Director of P&G REAL ESTATE srl

Main activities and responsibilities

Research in University in the field of electrical drives, control, energy conversion, renewable sources

Director of research projects in the field of energy conservation, distributed and utility plants, energy&environment

Senior consultant in the field of energy&environment management

Educational and training

Graduated in Electrical Engineering, Politecnico of Milano, Italy on December 1968

Electrical Machines, Electrical Variable Speed Drives, electric vehicles, energy end users, distributed and utility power plants fed by traditional and renewable sources, energy audit, energy balance and related measurement, management systems according to ISO 14001, EMAS, OHSAS 18001, ISO 50001

Technical skills and competences

Electrical machines and drives, electric vehicles, energy conversion, renewables sources and plants, heat and power plants, combined cycles, improving energy efficiency in industrial sites and buildings,

Additional information

Author of the book *Energy Conversion and Management: Principles and Applications*, Springer Publisher, New York, 2014

Author of the book *Industrial Energy Management: Principles and Applications*, Kluwer Academic Publishers, Boston 1993

Author of the book *Teoria unitaria delle macchine elettriche*, CLUP, Milano 1976

Author and co-author of more than 100 papers at national and international conferences

Member of Ordine degli Ingegneri – Pavia – Italy

Accreditation as Building Certificator (European Regulations)

Accreditation as Expert for the evaluation of research project in the field of energy production and end users (Italian Law DM 8/03/2006)

Accreditation as Energy Expert –EGE (European Standard UNI CEI 11339:2009) – Civil sector #0087-SC-EGE-2016 and Industrial sector n#01008-SC-EGE-2016

Accreditation as Expert for certification of R&D and Innovation Projects – DPCM 15/09/2023 and DL #19 02/03/2024

Annexes

A short review of the main activities in the period 2000-2023 is reported as follows

Energy and environmental balances by using measurement systems, management systems according to ISO 14001, EMAS, OHSAS 18001, ISO 50001, test plans of power plants (combined cycles fed by natural gas, district heating), of hydro plants, of wind farms
Feasibility studies and preliminary design of heat and power plants for industries and buildings: Bulgheroni-Lindt, Chiari&Forti, Basf Italia, Cesare Fiorucci, Pilkington-Trigno Energy, Vinavil, Viscolube, Lesaffre, Vodafone, Telecom Italia
Feasibility studies and preliminary design of heat and power plants fed by solid and liquid biomasses (Ferrero Group, Dister, Holcim, Telecom, FOS-Prysmian, others in Italy)

Energy audits in Italy and around the world (Ferrero sites in Italy, Ireland, Russia, Poland, Belgium, France, Canada, Argentina, Brazil, Australia/ Nestle, Barilla, Pilkington, Alcatel, Lindt, Holcim, Fiat, Siemens, IKEA, Eitowers, LA7, Delifrance, Gelit, others as banks, hospital, shopping centers, supermarkets, airports, hotels)

Evaluation and final financial and technical accounting of PTR (Piano Triennale di Ricerca) research projects RSE (Ricerca Sistema Elettrico) and industrial research project (Art.10 paragraph 2 DM26/01/2020)

Teaching activities at Pavia University, at industry sites (Ferrero Group, Menarini Group, Thales), Rina-SOGEA courses for ISO 50001 auditors, FIRE web courses on Energy Conversion and Management