

CURRICULUM VITAE

Davide Poli

Davide Poli was born in Volterra (PI) in 1972. In 1991 he reached the scientific high school degree, with A-grades. In July 1997 he graduated cum laude in Electrical Engineering at the University of Pisa, with a thesis work entitled “Technical-economical simulation of a hydro-thermoelectric generating park”.

From 1998 to 2001 he was Ph.D. student in Electrical Engineering at the University of Pisa, issuing a final work entitled “Liberalized systems– Analysis of market rules and new possible simulation techniques”.

In August 2001 he joined the Department of Electric Systems and Automation of the University of Pisa, as an Assistant Professor in Power Systems. From December 2014 to May 2022 he was Associate professor of Power Systems at the University of Pisa. Currently he is serving as a full professor at the same University.

Since 2005 he’s been teaching “Quality and security of power systems” (currently “Electric Power Systems for Sustainability”, 120h, 1st year, M.Sc in Electrical Engineering) and since 2021 “Electricity markets”. He actively collaborates with several other courses and university masters.

His research activities are mainly related to power system security, as well as to production, transmission, distribution, market and regulatory issues in a deregulated context, including the subsidies to energy efficiency and renewable energy sources. His research activity also deals with the due diligence of energy investments and with the technical-economical optimization of energy storage devices and Combined Heat and Power plants. In the last years he has been particularly active on the topics of Dynamic Thermal Rating of power lines and of the optimal sizing and operation of isolated hybrid micro-grids for the electrification of developing countries, also in strict collaboration with MIT. Recently this approach has been applied also to Renewable Energy Communities.

He has been and he is currently in charge of research projects with Cesi Ricerca, Enel Ricerca, many local energy companies and consumers and with the Società Consortile Energia Toscana, a Consortium of public administrations he contributed to establish and organise, devoted at buying electricity and gas on deregulated markets, promoting renewable energies and energy efficiency. He has been local Principal Investigator of several scientific projects, funded by UE, national and regional authorities. He is qualified as Italian professional engineer, with the highest marks.

He has a 2-decades experience of energy buyer for public and private companies and a professional knowledge of electricity and gas national regulation.

He has been principal investigator of many projects financed at European, national and regional level, as a result of competitive tenders. He has acted as evaluator of several national research tenders and member or chairman of the commission of many public tenders in the energy field. He is registered in the list of national “Ricerca di Sistema” experts.

He is author or co-author of more than 160 peer-reviewed papers published in journals or conference proceedings:

https://arpi.unipi.it/browse?type=author&authority=rp12216&sort_by=2&order=DESC&rpp=100&etal=0&submit_browse=Aggiorna#.XJliOrjSLFw

He is serving as reviewer for around 20 international journals, and Associate Editor of *Frontiers in Smart Grids*. Since 2017 he is member of the Advisory Editorial Board of the International Journal of Electrical Power & Energy Systems, IJEPES – Elsevier.

He has been chair of the “Power systems” track for the IEEE 2019 RTSI Conference.

From 2002 to 2010 he was member of the Board of the Department of Electric Systems at UniPI.

Since 2012 he is vice-president of the Toscana-Umbria Section of AEIT, the Italian Association of Electrical, Electronic and Automation Engineering, and Information and Communication Technology.

From 2018 to 2020 he has been member of the Academic Senate of the University of Pisa.

From 2011 to 2015 he was member of WG CIGRE C6.20 “Integration of electric vehicles in electric power systems” and he is currently member of CT CEI 317 “Smart cities” and of the “Electricity market” WG in ASTRI.

From 2012 to 2020 he has coordinated the activities of the University of Pisa within the Joint Programme “Smart Cities” of European Energy Research Alliance (EERA).

Since 2018 he is member of the Academic Board of the Ph.D. course in Smart Industry (Universities of Pisa, Florence, Siena) and of the 2nd-level Master Course in “Management e Auditing of Integrated Systems: Environment, Energy, Quality and Security for Sustainability”.

Since 2021 he is member of the Board for the Centre for Innovation and Culture Diffusion, at the University of Pisa.

He is official member of the Italian WEC delegation to the World Energy Congress and representative of the University of Pisa within the Italian Forum of Energy Communities.

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