

PERSONAL INFORMATION

Fabrizio Giulio Luca PILO



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✉ Fabrizio.pilo@unica.it
 🌐 <https://orcid.org/0000-0002-4510-1732>

Sex male | Date of birth 23/01/1966 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- 2021 - present **Vice Rector for Territory, Innovation and Technology Transfer**
 Università degli studi di Cagliari
 - Coordination of “third mission” activities
- 2018 – 2021 **Full Professor of Power Systems**
 Università degli studi di Cagliari
 - Member of the Academic Senate
- 2015 – 2021 **Full Professor of Power Systems**
 Università degli studi di Cagliari
 - Director of the Department of Electrical and Electronic Engineering
- 2014 – Present **Full Professor of Power Systems**
 Università degli studi di Cagliari
 - Professor of Power Systems
- 2006 – 2012 **Associate Professor of Power Systems**
 Università degli studi di Cagliari
 - Director of the Department of Electrical and Electronic Engineering
- 2001 – 2014 **Associate Professor of Power Systems**
 Università degli studi di Cagliari
 - Associate Professor of Power Systems
- 1995 – 2001 **Assistant Professor of Power Systems**
 Università degli studi di Cagliari
 - Responsible for Power Systems Laboratories
- 1995 – 1998 **Ph. D. Student**
 Università di Pisa - Department of Electrical and Automation
 - Ph. D. student

EDUCATION AND TRAINING

- 1995-1998 **Ph. D. on Electrical Engineering** 8
 Università di Pisa - Department of Electrical and Automation, Italia
 - Power system distribution planning and operation
- 1986-1993 **Master (magna cum laude) in Electrical Engineering** 7
 Università di Cagliari – Facoltà di Ingegneria, Italia

1981-1985

• Electrical engineering, power systems, electrical machines, control and automation theory
High school diploma (60/60)
 High School "G. Spano" - Sassari, Italia

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PERSONAL SKILLS

Mother tongue(s) Italian
 Other language(s) English

ADDITIONAL INFORMATION

- **NATIONAL ASSIGNMENT** CEI CT 316 CHAIRMAN
 ENSIEL BOARD OF DIRECTORS
- **SELECTED RECENT GRANTS** ITALIAN NATIONAL RESEARCH PROJECT PRIN 2017, Planning and flexible operation of micro-grids with generation, storage and demand control as a support to sustainable and efficient electrical power systems: regulatory aspects, modelling and experimental validation., Local responsible
 EU H2020 INTERREG-MED 2014-2020 STORES - ID: 695/1MED15_2.2_M2_184. Local Responsible from 01-11-2016
 EU H2020 OSMOSE (Project No. 773406): Optimal System-Mix Of flexibility Solutions for European electricity, Third party, Coordinator from 01-01-2018
 ERASMUS+ - KA2, 2018-1-IT02-KA203-048289 - Developing advanced master's education based on Smart Grid technology, Project Coordinator
 ENI CBC MED, Cost-effective rehabilitation of public buildings into smart and resilient nano-grids using storage «BERLIN», Local Responsible
 E-vision (Electric-Vehicle Integration for Smart Innovative 0-CO2 Networks) - Veicolo elettrico e smart grid per l'integrazione delle fonti rinnovabili e la mobilità sostenibile - RAS - Legge regionale 7/2007 - Bando 2010.
- **TEN YEARS TRACK RECORD** More than 190 indexed papers
 SCOPUS H-INDEX 31 (Citations 4346)
 GOOGLE SCHOLAR H-INDEX 39 (Citations 7290)
 More than 10 M€ grants for research and consultancies
- **PRIZES, AWARDS, ACADEMY MEMBERSHIP** 2013 IEEE Senior member
 2018 CIGRE Distinguished member
 Member of the Italian Association of Electrical Engineers
 Member of the CIRED Technical Committee and Board of Directors
 ISGAN Annex 3 Chairman (International Energy Agency)
- **RESEARCH TOPICS** **Operation and planning of electric power distribution:** Prof. Pilo pioneered the optimal allocation of distributed generation in distribution networks with multi-objective and genetic algorithms. More recently, Prof. Pilo investigated the operation of distribution networks and how to exploit flexibility in power system development including electric vehicle services.

PUBLICATIONS

- 1) Gianni Celli, Fabrizio Pilo, Giuditta Pisano, Simona Ruggeri, Gian Giuseppe Soma, Risk-oriented planning for flexibility-based distribution system development, Sustainable Energy, Grids and Networks, Volume 30, 2022, 100594, ISSN 2352-4677, <https://doi.org/10.1016/j.segan.2021.100594>.
- 2) Carpinelli, G., Celli, G., Mocci, S., Mottola, F., Pilo F., Proto, D. (2013). Optimal integration of distributed energy storage devices in smart grids. IEEE TRANSACTIONS ON SMART GRID, vol. 4, p. 985-995, ISSN: 1949-3053, doi: 10.1109/TSG.2012.2231100
- 3) Mocci S, Natale N, Pilo F, Ruggeri S (2015). Demand Side Integration in LV Smart Grids with Multi-Agent Control System. ELECTRIC POWER SYSTEMS RESEARCH, vol. 125, p. 23-33, ISSN: 0378-7796, doi: 10.1016/j.epsr.2015.03.021
- 4) Celli, G., Soma, G.G., Pilo, F., Lacu, F., Mocci, S., Natale, N. (2014), Aggregated electric vehicles load profiles with fast charging stations, Proceedings - 2014 Power Systems Computation Conference, PSCC 2014, art. no. 7038402, . Cited 27 times., DOI: 10.1109/PSCC.2014.7038402
- 5) Celli, G., Ghiani, E., Pilo, F., Pisano, G., Soma, G.G. (2012) Particle Swarm Optimization for minimizing the burden of electric vehicles in active distribution networks, IEEE Power and Energy Society General Meeting, art. no. 6345458, DOI: 10.1109/PESGM.2012.6345458