

Education and training

- 1985 Degree in Electrotechnical Engineering “and honours”- Faculty of Engineering - University of Naples “Federico II” - Italy

Main Work Experience

- Director of the Interdepartmental Research Centre of the University of Sannio: TEDASS
- Scientific Director of MARSEC
- 2000- 2009 President of the Consortium for the Enhancement of Culture and the Promotion of University Studies, University of Sannio
- Vice-Rector at the University of Sannio
- 2000-2021 Full Professor of Electrical Power Systems at the University of Sannio
- President of AEIT (Italian Association of Electrical Engineering, Automation, Informatics and Telecommunication) Benevento Section, including Internal Areas of Campania and Molise
- Scientific Committee Member of the Italian Ministry of the University and Research for Horizon Europe Framework Programme/CLUSTER 5
- President of the Mediterranean Energy Academy
- Director of the National Inter-University Consortium for Energy and Electrical Systems (EnSIEL)
- 2021- present Full Professor of Electrical Power Systems - University of Naples "Federico II"

Research activity

Scientific CV

- 2021- present Scientific Committee Member for the National Research Programme - PNR 2021-2027 – Brod Field: Industrial Energy

- 2021- present Working Group Member for Guidelines on "Hydrogen: First Indications for an Italian Hydrogen Research Strategy (S.I.R.I.)"
- Council Member of the “Polytechnic School and Basic Sciences” - University of Naples “Federico II”
- Scientific Committee Member of the AEIT/AEE Society
- Italian Presidency Council Member of "International Council on Large Electric Systems - CIGRE”
- Directors Board Member of the National Energy Technology Cluster - CTNE
- Scientific Board Member of the Regional Competence Centre "New Technologies for Productive Activities"
- Board Member of Directors of the Euro-Mediterranean Centre on Climate Change CMCC
- 2017-2019 Research Committee Member of Engineering Department - University of Sannio
- 2013-2021 PHD Board Member in "Information Technologies for Engineering", University of Sannio
- 1999-2004 Board Member of Directors of the University of Sannio

Funded research projects

- Principal project contact, Scientific Co-Projectist, European Task Leader of Task n. 5 in the FP7 Project "e-Highways 2050" (EnSiEL). Grant n. 308908, 2012-2015, 14 ml euro
- Principal project contact, National Coordinator of University Activities of the H2020 MIGRATE Project (Grant n. 691800), until 27 December 2016, 16 ml euro
- Principal project contact, Scientific Co-Projectist, National Scientific Supervision and Coordination of university activities: within the H2020 OSMOSE Project "Optimal System-Mix Of flexibility Solutions for European Electricity"/WP5 (Grant n. 773406, 21 ml euro)
- Local coordinator and PI of the project: "Hybrid Propulsion Systems for Vehicles"
- Local coordinator and PI of the project: "Plans to Strengthen the Scientific and Technological Network"
- Local scientific coordinator of the project: "Low Environmental Impact Distributed Electricity Generation and Territorial Strategies for Sustainable Development"
- Local scientific coordinator of the project: "Information and Communication Technologies (ICT) in the operation of electrical infrastructure"
- Scientific coordinator and PI of the Project "Development of a Centre for the reception, processing, storage and distribution of satellite data aimed at monitoring the biosphere and sustainable development" funded by MATTM

- Coordinator and PI of the "Integrated Plan of Interventions aimed at the rationalization of consumption and the reduction of energy expenditure"
- Scientific coordinator of the project "Study and design of System Dynamic Rating Area Centre South" financed by TERNA S.p.A.
- Scientific Coordinator and PI of the Project: "Development of a software prototype for the real-time evaluation of the dynamic rating of overhead transmission lines starting from synchrofasors" funded by TERNA S.p.A.
- PNRR Project IRSME (Infrastruttura di innovazione nazionale in Rete per la Simulazione e il Monitoraggio del sistema Energetico) 40 ml euro (under evaluation)

Keywords

Electrotechnical Engineering, Automation, Informatics, Telecommunication, Energy and Electrical Systems

Bibliography and bibliometry

List of best papers published in the last 10 years relative to research topic

The scientific activity carried out is summarized in a total of chapters of books and in over 150 scientific publications at primary conferences and in prestigious international and national journals, centered in the fields of Production, Transmission, distribution and use of electrical energy.