

## CURRICULUM VITAE of Pierluigi Caramia

Pierluigi Caramia was born in Naples, Italy, in 1963.

He obtained his degree in Electrical Engineering from the Università degli Studi di Cassino, Italy, in 1991.

Currently, he is Full Professor in Electrical Power Systems at the University of Napoli Parthenope.

He is a component of the "Task Force on Probabilistic Aspects of Harmonics" of IEEE Power Engineering Society.

He is a member of Institute of Electrical and Electronic Engineering IEEE.

From 2020 to 2022 he was the Vice Rector for Research and Innovation of University of Napoli Parthenope

From 2013 to 2019 he was the Scientific responsible of the Napoli Parthenope Unit of the Italian Group of University Professors of Electrical Power Systems (GUSEE).

From 2006 to 2008 he was the Scientific Director of the Power System Laboratory at the Department of Industrial Engineering.

From 2013 to 2020 he was the Scientific responsible of the Napoli Parthenope Unit of the Italian Group of University Professors of Electrical Power Systems (GUSEE).

He is co-author of several national and international papers.

In particular, his research interest mainly concerns power systems, traction system and power quality analysis.

He is a co-author of Chapter 8 and Chapter 11 of the book "Time Varying Waveform Distortions in Power Systems", published by John Wiley & Sons.

He is a co-author of the book "Power Quality Indices in Liberalized Markets", published by John Wiley & Sons.

### Research responsibility Experience:

- In 2000 he was the Scientific responsible of the Cassino Unit for the research "Methods for reliability evaluation of cable systems for distribution of electrical energy" inside the two years National Project "Innovative techniques for diagnosis and reliability evaluation of cable systems for transmission and distribution of electrical energy" financed by the MIUR.

- In 2004 he was the Scientific responsible of the Cassino Unit for the research "The impact of renewable energy conversion system on MV and LV electric networks: methods for the analysis and techniques for the improvement of power quality and distribution system reliability" inside the two years National Project "Renewable generation sustainable development in liberalised electric power systems: technical, economical and management aspects" financed by the MIUR.

- In 2013 he was the Scientific responsible of the Napoli Parthenope Unit for the research "Hybrid AC and DC Microgrid - MICCA inside the National Operational Programme (NOP) for Research and Competitiveness 2007-2013, co-funded with the European Regional Development Fund (ERDF) and national resources (PON03PE\_00178).

- In 2019 he was the Scientific responsible of the Napoli Parthenope Unit for the research "DiGRiFlex - Real time Distribution GRid control and Flexibility provision under uncertainties". EN SGplus RegSys Joint Call 2018, ERA-Net Smart Energy Systems.