

**CURRICULUM VITAE**

di

**Alfredo Testa**

Emeritus Professor, since January 2022, Università della Campania “Luigi Vanvitelli”.

Full Professor, since 03/10/2011; Recruitment Field: 09/E2 - INGEGNERIA DELL'ENERGIA ELETTRICA,

Discipline: SISTEMI ELETTRICI PER L'ENERGIA; University: Università della Campania “Luigi Vanvitelli”, Dipartimento di INGEGNERIA

Former Positions: since 16/05/1984 Researcher at Università della CALABRIA; since 18/03/1987 Associate Professor at Università della CALABRIA; since 01/11/1990 Associate Professor at Università degli Studi di NAPOLI “Federico II”; since 01/11/1994 Full Professor at Università degli Studi di TRIESTE; since 01/11/1995 Full Professor at Università della Campania “Luigi Vanvitelli”.

Academic Appointments: Academic Senatus (Senato Accademico della) of Seconda Università di Napoli from November 2005 to July 2012; Head of (Presidente della) Scuola Politecnica e delle Scienze di Base at Università della Campania “Luigi Vanvitelli” from April 2014 to July 2017.

National Appointments: Chair of GUSEE, Power Systems Groups of the Italian Universities, from January 2016 to May 2019.

International Appointments: Chair of PMAPS International Society since 2016.

Scientific Publications: Author or coauthor of more than 300 papers published in National and International Journals and Conferences.

Main Scientific Projects: PRIN 1997: La Qualità della Tensione nello Sviluppo della Produzione Industriale: Aspetti Teorici, Sperimentali e Tecnologici; PRIN 2002: Gestione del Rischio e della Qualità nel Mercato dell'Energia Elettrica; Centri Regionali Di Competenza della Regione Campania 2004: WP 2 “Tecnologie avanzate per l'integrazione di sistemi di produzione distribuita di Energia Elettrica” per il Centro “Nuove Tecnologie per le Attività Produttive”.

Journal Service: Electrical Power Quality and Utilization Journal. (Co-editor) since 01/2004.

Appointments in Research Institutions: IEEE - PES Italy Chapter (chair) 2007-2012; PMAPS International Society (chair) since October 2016.

Prizes and Recognitions: Elevated to IEEE Fellow in 2008 “for contributions to modeling, measurement, and analysis of waveform distortion in power systems”; First Prize Award for the Best Paper of 9th IEEE ICHQP.

(International Conference on Harmonics and Quality of Power) 2000, Orlando, USA; First Prize Award for the Best Paper of 7th IEEE ICHQP 1996, Las Vegas, USA.

Memberships: CIGRE (International Council on Large Electric Systems); AEIT (Italian Electronic and Electrotechnic Association); PMAPS (Probabilistic Methods Applied to Power Systems) Steering Committee; SPEEDAM (Symposium on Power Electronics, Electrical Drives, Automation and Motion) Steering Committee; IYCE (International Youth Conference on Energetics); CNR (Italian Council of National Research) for Reliability of Electric and Electronic Systems; Engineers of Avellino, Italy, since 1975; European Leonardo PQ Initiative; CIGRE JWG C4-1-06 (with CIRED); IEEE ICHQP Steering Committee. IEEE PES Power Quality Subcommittee; task forces: i) harmonic modeling and simulation; ii) interharmonics; iii) light flicker; iv) harmonic probabilistic modeling; v) Standard 519; vi) Standard 1459.

Invited speaker at numerous international conferences organized by IEEE and other Scientific Societies.

Reviewer per Transactions of PES and other IEEE Societies, ETEP, EPES, PMAPS, IEE (The Institution of Electrical Engineers), Jon Wiley and Sons.

Corresponding member of: UIE (International Union for Electroheat), contributing to “Guide to Quality of Electrical Supply for Industrial Installations”. IEC (International Electrotechnical Commission), PQ sbct.

Evaluator for: Italian PRIN (Projects of Relevant National Interest) Research Projects, PRIN 2008, evaluation year 2009; research projects for NSERC (Natural Sciences and Engineering Research Council of Canada); CE for projects FPVII-Energy-2009, FP7-ENERGY-20009-1 e FP7-ENERGY-20009-3. MISE (Italian Ministry for Economy) for Ricerca di Sistema, (PAR 2008/2009 di ENEA, PAR 2011 di ENEA); ANVUR on Research Evaluation of Italian Universities and Research Institutions for VQR 2004-20011.