

CURRICULUM VITAE
Paolo Attilio Pegoraro

Paolo Attilio Pegoraro was born in Arzignano (VI) in 1976. He received, summa cum laude, the MS degree in Telecommunication Engineering and the PhD in Electronic and Telecommunication Engineering from the University of Padua, respectively in 2001 and 2005.

Since 2018 he is Associate Professor of Electric and Electronic Measurements at the University of Cagliari, where he also worked as assistant professor from 2015 to 2018.

Since 2016 he is in charge of the courses "Automatic Measurement Systems" (Sistemi Automatici di Misura) and "Data Acquisition Technologies" for the Laurea Magistrale in Electronic Engineering and of the course "Measurements and Cybersecurity for Smart Grid" for the Laurea Magistrale in Computer Engineering, Cybersecurity and Artificial Intelligence (CECAI).

For teaching activities, he won, in 2019, the "Faculty Course Development Award" (FCDA) from the IEEE Instrumentation and Measurement Society (IMS). In UniCa, he is a member of the focus group for the implementation of the Human Resources Strategy for Researchers (HRS4R), the IE self-evaluation committee, the faculty panel of the Doctoral Program in Electronic and Computer Engineering (DRIEI), and the CECAI admissions committee. He served as internal member of the DRIEI and Industrial Engineering PhD final exam evaluation committees for the XXXIII and XXXIV cycles, respectively.

He is a senior member of IEEE, IEEE Instrumentation and Measurement Society (for IMS, he serves also a member of the technical committee TC 39, Measurement for power systems) and Italian Association GMEE. He is also member of IET TC 38 – Instrument transformers WG 47. He is member of the working group on Energy of IEEE European Public Policy Committee (EPPC).

He is General Chair of the IEEE International Workshop on Applied Measurements for Power Systems (AMPS) and member of the Technical Program Committee of the IEEE International Instrumentation and Measurement Technology Conference (I2MTC) since 2015. He is Associate Editor of IEEE Transactions on Instrumentation and Measurement.

He has worked, mainly focusing on the definition of algorithms and systems for measurements and signal processing, in different fields: speech recognition (in Loquendo SpA – ex CSELT, Turin), VoIP (Abbeynet SpA, Sestu), audio/video processing, particularly for internet applications, and remote control of electronic instrumentation. His research interests also include measurements for telecommunications and for traffic monitoring in packet networks.

Currently, his research activity is mainly focused on the design of new measurement techniques, in particular for modern power networks. He studies the development of synchronized instruments, distributed measurement systems (e.g. state estimation in the smart grid context).

He was part, among other activities, of several projects, among which recently: "IQSS (Information Quality aware and Secure Sensor networks for smart cities)" and "SUM2GRIDS, Solutions by multidisciplinary approach for intelligent Monitoring and Management of power distribution GRIDS" funded by Fondazione di Sardegna; SEMI, Cluster Top-Down POR Sardegna FESR 2014-2020 for technological transfer; Smart State Estimation, research project funded within Legge Regionale 7 Agosto 2007. He is consultant for important companies, such as Terna Rete Italia SpA.

He is author of over 130 scientific papers published on international journals (IEEE Transactions on Instrumentation and Measurement, IEEE Transactions on Power Systems, IEEE Transactions on Smart Grid, etc.) and on proceedings of international conferences (mainly IEEE and IMEKO) and also national ones. He serves as a Reviewer for several prestigious international journals. In particular, he was awarded as "Outstanding Reviewer" for the IEEE Transactions on Instrumentation and Measurement in 2011, 2013-2018.