

CURRICULUM VITAE**Paolo Castello**

Assistant Professor, Electrical and Electronic Measurements Group, University of Cagliari

- **Main Research Areas**

Measurements for modern power networks: Phasor Measurement Unit (PMU) and Phasor Data Concentrator (PDC). Algorithms for synchrophasors estimation. Characterization and testing of PMU under steady-state and dynamic conditions. Wide Area Measurement System (WAMS) based on synchronized measurements.

- **Education**

2014: Ph.D. degree in Electronic and Computer Engineering, Department of Electrical and Electronic Engineering (DIEE), University of Cagliari, Cagliari, Italy. March 2014. Supervisor: Prof. Carlo Muscas, University of Cagliari. - Ph.D. dissertation: "Algorithms for the synchrophasor measurement in steady-state and dynamic conditions."

2011 -2014: Ph.D. student, XXVI cycle. Attendance of the three-year cycle of the Ph.D. Summer School of Excellence "Italo Gorini" promoted by Italian "Electrical and Electronic Measurement Group" (GMEE).

2010: Master's Degree in Electronic Engineering, University of Cagliari. Supervisor: Prof. Carlo Muscas.

- **Publications**

[Google Scholar](#)

[Scopus](#)

- **Teaching and Research Experience**

2020 - Today: Lecturer: Data Acquisition Technologies, University of Cagliari

2018 – Today: Lecturer: Electrical and Electronics Measurements, University of Cagliari.

2011 – Today: Supervision of undergraduate and graduate students of electrical and electronic engineering, University of Cagliari.

2011 – Today: Teaching Assistant: Electrical and Electronics Measurements and Automatic Measurement Systems, University of Cagliari.

2013 - 2016: Senior researcher in the project "Smart State Estimation" funded by the Region of Sardinia, "Bando RAS 2012", L.R. August 7, 2007, n. 7.

2015: Senior researcher in the project "Support for PMU data analysis and models for the compensation of measurement errors" with Terna SpA. Terna is the Italian TSO (Transmission System Operator).

Sep. 2012 – May 2013: Research activity at E.ON Energy Research Center, RWTH Technical University in Aachen, Germany, Institute for Automation of Complex Power Systems. Supervision of Prof. Dr.-Ing. Antonello Monti.

- **Patents**

A. Monti, J. Liu, F.NI, C. Muscas, P. A. Pegoraro, P. Castello, "Measurement apparatus for electricity distribution grids," EP 2713172 (A1), 2012-09-26, patent pending.

- **Awards**

IEEE Best Application in Instrumentation & Measurement Award 2017.

National Instruments Academic Research Grant 2017. Project Title: "A Cloud-based Wide-Area Monitoring System based on Internet of Things Architecture and Synchrophasor Measurement."

Student Travel Grant I2MTC 2014. Paper Title: "Improving Availability of Distributed PMU in Electrical Substations using Wireless Redundant Process Bus."

- **Memberships of Scientific Societies**

2013 – Today: IEEE Member and IEEE Instrumentation and Measurement Society Member.