



Paolo Pinceti

Researcher

✉ paolo.pinceti@unige.it

☎ +39 0103532205

Education and training

1987

PhD Electrical Engineering

Long term dynamics of thermal power plants - 110/110 cum laude
Università di Genova - Genova - IT

Academic experience

Researcher / professor

University of Genova

Language skills

English

Proficient

Research interests

Public Research Projects

- PRIN 2005, 'Definition of a benchmark for evaluating real-time performance of devices and systems connected via high speed networks'
- PRIN 2009, 'Integration of the application software for control and diagnosis in hybrid industrial networks'
- MIUR, DM35713, 'Intelligent integrated systems for increasing the flexibility of power plants connected to the grid'
- FP5-EESD, ENK6-CT-2002-00624, HOTSMEs 'Superconducting Magnetic Energy Storage based on high transition temperature superconducting materials for high quality power'
- POR/FESR, 2007, 'Feasibility study for wireless control of sensors and valves in industrial environment' (the results of the study were patented and originated the spin-off company SunWise)
- POR/FESR, 2011, 'Innovative system for remote control of valves in naval applications based on Ethernet networks'

Industrial Research Projects

- EXERA (International association of Users of automation systems and devices):
.2003: Industrial IT: Le nouveau système d'automates ABB
.2003: Guide de choix sur les positionneurs pour vannes de régulation

.2005: Programme pour définir les positionateurs intelligentes

.2006: Guide de l'utilisateur pour l'évaluation des performances des systèmes de contrôle de procédés

.2006: Exploiting intelligence of intelligent positioners for preventive diagnostic

.2007: Test protocol for intelligent pneumatic positioners

.2012: Guideline for the selection of inverters for industrial applications

- Schweitzer Engineering Laboratories (SEL):

.2004-2005: Project TERNA SICAS Standard

- ANSALDO ENERGIA:

.2004: Feasibility study for integrating micro turbines in DC networks

.2006: Moelling and protection of low voltage DC networks

- CESI:

.2008: Development of an interface based on IEC 61850 for automation and protection of HV substations

- SIEMENS:

.2008: Discover Siemens power plant automation T3000 (DCD dedicated to energy production)

2010/14: Test and certification of general protection systems for MV networks based on the Italian standard CEI 0-16

2015/6: Definition of the simulation model of **Terna SANC** (Sistema Accumulo Non Convenzionale)

- ABB:

.2010: Development of an automatic algorithm for load shedding

.2011: Definition of an algorithm for calculating the efficiency of a photovoltaic production plant

- PHASE MOTION CONTROL:

.2007: Optimization of the PV generator of the Casella Plant (2 MW)

- TENOVA:

.2009: Study of the efficiency of a machinery for pipe moving in steel factories

- ENEL PRODUZIONE:

- .2003: Advanced functions for diagnostic of field devices with fieldbus communication

.2005: Definition of a historical database for on-line diagnostic of field devices

- ANSALDO SISTEMI INDUSTRIALI (now NIDEC)

.2011: Definition and implementation of a power management system for industrial system with generation from conventional and renewable sources (micro-grids)

- RENERGETICA

.2013: Hybrid Grid Master Control: real-time control strategies for isolated grids with renewable sources (Patent pending)

- BOMBARDIER TRANSPORTATION SYSTEMS

.2014: Technological infrastructure for actuating a policy of Condition Based Maintenance for a fleet of railway vehicles