



Paolo Pinceti

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Istruzione e formazione

Dottorato in Ingegneria Elettrica

La dinamica di lungo termine delle centrali termo-elettriche - 110/110 e lode

Università di Genova - Genova - IT

Esperienza accademica

1990 - IN CORSO

Ricercatore/professore

UniGE - Genova - IT

Competenze linguistiche

English

Esperto

Attività didattica

Ingegneria Elettrica, laurea magistrale, anno II: Misure Industriali
Ingegneria Informatica, Laurea magistrale, anno II: Technologies for industrial automation

Interessi di ricerca

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 systeme d'automates ABB
 - .2003: Guide de choix sur le positionneurs pour vannes de regulation
 - .2005: Programme pour definir les positionateurs intelligentes
 - .2006: Guide de l'utilisateur pour l'evaluation des performances des systemes de controle de procedes
 - .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