

GENERAL INFORMATION

Personal data	Giuditta Pisano	
Education	2003-2006	PhD in Industrial Engineering (University of Cagliari - Italy), with thesis titled "Reti di distribuzione innovative: analisi tecnico-economica delle reti attive a maglia chiusa e loro impatto sulla qualità del servizio" (i.e., "Innovative distribution networks: technical and economic analysis of active closed mesh networks and their impact on the quality of service"). Advisor: prof. Fabrizio Pilo.
	2001	'Laurea', equivalent to B.Sc. + M.Sc. degree, in Electrical Engineering University of Cagliari (Italy) with full marks (110/110), 'summa cum laude' with dissertation entitled: "Progettazione e realizzazione di un dispositivo Custom Power per l'attenuazione dei buchi di tensione: DSP e reti neurali per il comando e il controllo" (i.e., "Design and development of a Custom Power device for the voltage dips mitigation: DSP and neural networks for the management and control").
	1992	Diploma di Maturità Classica (equivalent to A-levels), from the Liceo Ginnasio "Siotto Pintor" of Cagliari, with full marks (60/60).
Scientific and professional qualifications	2018	Qualification for the role of Associate Professor on Power Systems (validity until 05/11/2027).
	2014	Qualification for the role of Associate Professor on Power Systems (validity until 04/12/2023).
	2002	Qualification for professional engineering activities.
Post lauream education	2017	"Le relazioni tra obiettivi formativi, metodi e strumenti didattici e metodi e criteri di valutazione", Training course for university teachers, organized by the University of Cagliari, Cagliari, Italy, May-June 2017
	2013	"Co-Simulation of Energy and ICT Systems", International course organized by EES-UETP (Electric Energy Systems - University Enterprise Training Partnership) e KTH (Royal Institute of Technology - University of Stockholm), Stockholm, Sweden, 28-29 November 2013
	2007	"Electricity Networks of the Future: Theoretical and Practical Issues to Design the New Distribution System"- International course organized by EES-UETP (Electric Energy Systems - University Enterprise Training Partnership) e University of Cagliari - Cagliari, Italy, 24-26 September 2007
	2006	"Grounding Analysis and Techniques: from Industrial to High Frequencies and Lightning"- International course organized by EES-UETP (Electric Energy Systems - University Enterprise Training Partnership), Methodius University of Skopje, Swiss Federal Institute of Technology of Lausanne e University of Cagliari - Cagliari, Italy, 28-30 June 2006
	2004	"Planning, Designing and Operating the Distribution Network of the Future for the Exploitation of Distributed Energy Resources"-

		International course organized by EES-UETP (Electric Energy Systems - University Enterprise Training Partnership) e University of Cagliari - POLARIS, Pula (CA), Italy, 27-30 September 2004
	2004	"Power System State Estimation", (Prof. A. Abur – TAMU, Texas A&M University), International course organized by the University of Cagliari - Cagliari, Italy, 10-12 May 2004
	2003	Stage at Centro Elettrotecnico Sperimentale Italiano (Italian Electrotechnical Experimental Center (CESI)) – Milan, Italy (5 weeks)
	2003 2006	PhD course delivered by the PhD school of Industrial engineering of the University of Cagliari;
	2002	"Understanding Power Quality", (Prof. M. Bollen – Chalmers University, Sweden), International course organized by the University of Cassino - Cassino, Italy, 27 September 2002
	2002	"Texas Instruments Special Digital Signal Processing Training Workshop", (Robert Owen, TI European University Programme Manager), International Training Workshop organized by Texas Instruments France e University of Bristol - Bristol (UK) 19 September 2002.
Languages		<ul style="list-style-type: none"> ▪ Italian, mother-tongue ▪ English, C1-1 level of the Common European Framework of Reference for Languages (CEFR).
Research and Working Experience	Dec 2019-current	Assistant professor (tenure track) on Power Systems at the Department of Electrical and Electronic Engineering of the University of Cagliari (as per article 24, paragraph 3, point b of Italian law no. 240/2010).
	Nov 2017-Nov 2019	Assistant professor (fixed term) on Power Systems. Winner of a position as assistant professor for three years (later reduced to two for winning the new position) at the Department of Electrical and Electronic Engineering of the University of Cagliari (as per article 24, paragraph 3, point a of Italian law no. 240/2010).
	Apr 2019-Apr 2020	Independent Expert on Cost-Benefit analysis commissioned by ARERA (Italian Regulatory Authority for Energy, Networks and Environment) and Terna (Italian TSO) for evaluating two specific projects included in the "National Electricity Transmission Grid Development Plan" of the 2017. ARERA Resolution 5 Oct 2018 n. 14/2018 - Duration 60 days/project.
	Oct 2012-Oct 2017	Assistant professor (fixed term) on Power Systems. Winner of a position as assistant professor for three years (later renewed for two more years) at the Department of Electrical and Electronic Engineering of the University of Cagliari (as per article 24, paragraph 3, point a of Italian law no. 240/2010).
	Feb 2006 - Oct 2012	Research Fellow at the University of Cagliari (Italy). Winner of 3 research grants at the University of Cagliari. Research themes: distributed generation, control and optimization; electric vehicles; renewables integration; microgrids. Duration: 2+2+1 years from Feb 2006 to Dec

		2010; 6 +6 months from Mar 2011 to Feb 2012; 6 months from Apr 2012- Sep 2012
	2010-2019	CEO of RESPECT Renewable Energy Smart Power and Clean Technology Srl, spin-off company of the University of Cagliari.
	from 2008-current	Co-founder and member of the company RESPECT Renewable Energy Smart Power and Clean Technology Srl, spin-off company of the University of Cagliari.
	Nov 2002 - Nov 2005	University Research Scholarship , University of Cagliari (Italy). Winner of a PhD scholarship by the University of Cagliari. Research activity: innovation in the electrical distribution networks, meshed networks, power quality, stability.
Teaching Activity	from a.y. 2013-2014	Lecturer of the Course titled "Power and Electrical Safety in Hospital", University of Cagliari, Bachelor's Degree in Biomedical Engineering (5 ECTS).
	Jan 2012-current	Advisor of more than 30 B.Sc. theses in Biomedical Engineering on risk management applied to medical devices and electromedical devices, electrical safety in hospital, automation and efficiency in healthcare facilities.
	Jan 2002-current	Tutor of M.Sc. theses and B.Sc. theses in Electrical Engineering on distributed generation, electric vehicles, energy storage devices, optimization and control.
	2019	Co-Advisor of one PhD thesis in Industrial Engineering of the University of Cagliari within the ITN Marie Curie PhD program.
	Apr 2011- Mar 2017	Lecturer of courses (provided by private and public bodies) on themes related to the smart grid, energy efficiency, renewables, home and building automation, cloud computing, smart technologies and applications.
	a.y. 2012-2013	Lecturer of the Laboratory titled "Power and Electrical Safety" in Hospital, University of Cagliari, Bachelor's Degree in Biomedical Engineering (6 ECTS).
	Jun 2009	Lecturer of the Laboratory titled "Mechanical design of overhead power lines", University of Cagliari, Master's Degree in Electrical Engineering (2 ECTS).
Membership	from 2003-current	Member of the Association of Engineers of the Province of Cagliari (I).
	from 2003-current	Member of IEEE, "Institute of Electrical and Electronics Engineers" (USA), from 2019 member of IEEE Power and Energy Society.
	from 2002-current	Member of AEIT, "Federazione Italiana di Elettrotecnica, Elettronica, Automazione, Informatica e Telecomunicazioni" (I).
	Jan 2020-current	Secretary/treasurer of CH08372 IEEE Italy Section Chapter, PE31.

International Committees	2019	Member of the Local Organizing Committee of International Conference on Financial and Energy Markets: Modeling and Simulation, Cagliari, 20-22 June 2019.
	May 2014	Chair of Panel Session LC10 titled "Forecasting Models in Distribution Systems" of IEEE International Energy Conference - EnergyCon 2014, Dubrovnik, 13-16 May 2014.
	2010-2013	Member of the CIGRÉ Working Group C6-19 titled: "Planning and optimization methods for active distribution systems"
	Oct 2012	Member of the Local Organizing Committee of MEDPOWER 2012, 8 th Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion, Cagliari, 1-3 October 2012
	2006-2011	Member of the CIGRÉ Working Group C6-11 titled: "Development and operation of Active Distribution Networks"
	Sep 2010	Member of the Local Organizing Committee of ICLP 2010, 30 th International Conference on Lightning Protection, Cagliari, 13- 17 September 2010
	Sep 2008	Chair of Panel Session 2A6 titled "Renewable Energy Systems & Smart Grids" of UPEC 2008, 43 rd International Universities Power Engineering Conference, Padova, 1-4 September 2008;
Editorial/ Reviewing Activity	from 2009 - current	Reviewer of international Journals and Conferences, as IEEE Trans. on Industrial Informatics, IEEE Trans. on Smart Grid, IEEE PES Trans. on Sustainable Energy, Electric Power System Research Journal (Elsevier), Applied Energy Journal (Elsevier), Energies (open access journal, MDPI), Applied Sciences (open access journal, MDPI), Electronics (open access journal, MDPI), Sustainable Energy, Grids and Networks - SEGAN (Elsevier), IEEE Access (IEEE), International Journal of Power and Energy Systems (Acta Press), Asian Journal of Control (Wiley).
	2020	Guest Editor of two Special Issue of Applied Science Journal (open access, Editor MDPI) titled: <ol style="list-style-type: none"> 1. Smart Distribution Grid Modeling 2. Control, Optimization and Planning of Power Distribution Systems

RESEARCH INTEREST

The most important research fields investigated, demonstrated by about 92 scientific papers (source University of Cagliari database: IRIS- <https://iris.unica.it>, 64 indexed by Scopus), published in national and international Journals or conference proceedings are briefly summarized in the following:

- Flexibility assessment and market participation of Distributed Energy Resources.
- Planning and Operation of innovative Electric Distribution System and smart grids (impact of Distributed Generation, storage devices, electrical vehicles and renewable energy sources).
- Distribution Systems State Estimation (state estimation algorithms, harmonic state estimation, optimal placement of measurement devices, impact on the operation of distribution management systems, dynamic estimation).
- Co-simulation of power and communication systems (impact of state estimation and communication media in Smart Grid operation).
- Power Quality of Distribution networks (optimal planning algorithms to reduce the voltage dips in distribution networks).
- Artificial neural networks to optimise the schedule of generators and responsive loads of a group of industrial and commercial customers aggregated in a Microgrid.

The research activity has been carried out in collaboration with 58 researchers of which she has been co-author; her h-index is 16, with 963 citations, 730 of which excluding self-citations of all authors (source: Scopus December 2020).

She has been presenting author and delegated into more than 20 international conferences.

SCIENTIFIC PUBLICATIONS

International Journals

- [1] Celli, G.; Pilo, F.; **Pisano, G.**; Ruggeri, S.; Soma, G.G., Risk-Oriented Planning for Flexibility-Based Distribution System Development, under peer review, Sustainable Energy, Grids and Networks, SEGAN (Elsevier).
- [2] Celli, G.; Pilo, F.; **Pisano, G.**; Ruggeri, S.; Soma, G.G. Relieving Tensions on Battery Energy Sources Utilization among TSO, DSO, and Service Providers with Multi-Objective Optimization. *Energies* 2021, 14, 239. <https://doi.org/10.3390/en14010239>
- [3] Pilo, F.; **Pisano, G.**; Ruggeri, S.; Troncia, M. Data Analytics for Profiling Low-Voltage Customers with Smart Meter Readings. *Appl. Sci.* 2021, 11, 500. <https://doi.org/10.3390/app11020500>
- [4] Chowdhury N., Pilo F., **Pisano G.**, "Optimal Energy Storage System Positioning and Sizing with Robust Optimization", *Energies* 2020, 13, 512
- [5] **Pisano G.**, Chowdhury N., Coppo M., Natale N., Petretto G., Soma G. G., Turri R., Pilo F., "Synthetic models of distribution networks based on open data and georeferenced information." *Energies* 2019 (MDPI), 12(23), 4500, <https://doi.org/10.3390/en12234500>
- [6] Celli G., Pilo F., **Pisano G.**, Soma G. G., "Distribution Energy Storage Investment Prioritization with a Real Coded Multi-Objective Genetic Algorithm", *Electric Power Systems Research*, Elsevier, Vol. 163, Part A, October 2018, Pages 154–163, ISSN: 03787796, DOI: 10.1016/j.epsr.2018.06.008 (ID Scopus: 2-s2.0-85048768078; ID WOS: 000442705800016)
- [7] Celli G., Pilo F., **Pisano G.**, Soma G. G., "Cost-Benefit Analysis for Energy Storage Exploitation in Distribution Systems", *CIREN - Open Access Proceedings Journal* Volume 2017, Issue 1, 1 October 2017, Pages 2197-2200, ISSN: 25150855, DOI: 10.1049/oap-cired.2017.1004 (ID Scopus: s2.0-85044048401)
- [8] Celli G., Natale N., Pilo F., **Pisano G.**, Bignucolo F., Coppo M., Turri R., Cerretti A., "Containment of Power Losses in LV Networks with High Penetration of Distributed Generation", *CIREN - Open Access Proceedings Journal*, Volume 2017, Issue 1, 1 October 2017, Pages 2183-2187, ISSN: 25150855, DOI: 10.1049/oap-cired.2017.0988 (ID Scopus: s2.0-85045933769)

- [9] Ochoa L. (N.), Pilo F., Keane A., P. Cuffe, and **Pisano G.**, "Embracing an Adaptable, Flexible Posture. Ensuring That Future European Distribution Networks Are Ready for More Active Roles", IEEE power & energy magazine, Sep/Oct 2016, ISSN: 15407977, DOI: 10.1109/MPE.2016.2579478 (ID Scopus: 2-s2.0-84984917506; ID WOS: 000382686700002)
- [10] Coppo M., Pelacchi P., Pilo F., **Pisano G.**, Soma G. G., Turri R., "The Italian smart grid pilot projects: Selection and assessment of the test beds for the regulation of smart electricity distribution", Electric Power Systems Research, Volume 120, March 2015, Pages 136-149, ISSN 0378-7796, DOI: 10.1016/j.epr.2014.06.018 (ID Scopus: 2-s2.0-84920107142; ID WOS: 000348885700015)
- [11] Celli G., Pegoraro P. A., Pilo F., **Pisano G.**, Sulis S., "DMS Cyber-Physical Simulation for Assessing the Impact of State Estimation and Communication Media in Smart Grid Operation", IEEE Transactions on Power Systems, Jan 2014, ISSN 0885-8950, DOI: 10.1109/TPWRS.2014.2301639 (ID Scopus: 2-s2.0-84906789535; ID WOS: 000341190700045)
- [12] F. Pilo, **Pisano G.**, and G. G. Soma, 2011, "Optimal Coordination of Energy Resources with a Two-stage on-line Active Management", IEEE Transactions on Industrial Electronics, Oct 2011, vol. 58, n. 10, ISSN 0278-0046, DOI: 10.1109/TIE.2011.2107717 (ID Scopus: 2-s2.0-80052349131; ID WOS: 000294544700006)
- [13] A. Benigni, J. Liu, F. Ponci, A. Monti, **Pisano G.**, S. Sulis, "Decoupling Power System State Estimation by Means of Stochastic Collocation", IEEE Transactions on Instrumentation and Measurement, vol. 60 n.5, May 2011, ISSN 0018-9456, DOI: 10.1109/TIM.2011.2124270 (ID Scopus: 2-s2.0-79953786097; ID WOS: 000289204400014).
- [14] C. Muscas, F. Pilo, **Pisano G.**, S. Sulis, "Optimal allocation of multi-channel measurement devices for Distribution State Estimation", IEEE Transactions on Instrumentation and Measurement, June 2009, Vol. 58, n.6, ISSN 0018-945, DOI: 10.1109/TIM.2008.2005856 (ID Scopus: 2-s2.0-67349155917; ID WOS: 000266173900016)
- [15] C. Muscas, F. Pilo, **Pisano G.**, S. Sulis, "Optimal Number and Location of Measurement Instruments in Distributed Systems for Harmonic State Estimation", in Electrical Power Quality and Utilisation Journal, vol. XIII, no. 1, luglio 2007, ISSN 1234-6799

Technical Brochures

- [16] C. D'Adamo, C. Abbey, **Pisano G.** et. Al, "Development and Operation of Active Distribution Networks", Technical Brochure n. 457 on CIGRE WG C6.11 activity, April 2011, ISBN: 978-2-85873-146-9.

Book chapters

- [17] E. Ghiani, **Pisano G.**, "Impact of Renewable Energy Sources and Energy Storage Technologies on the Operation and Planning of Smart Distribution Networks". Book Chapter in "Operation of Distributed Energy Resources in Smart Distribution Networks". Elsevier 2018. ISBN 978-0-12-814891-4. June 2018.

National Journals

- [18] Pilo, F.; **Pisano, G.**; Ruggeri, S.; Soma, G.G., Casolino G. M., Di Fazio A. R., Losi A., Russo M., Berizzi A., Falabretti D., Merlo M., Bignucolo F., Coppo M., Turri R., Pelacchi P., Poli D., Valtorta G., Di Lembo G., Corsi n., D'Orazio L., Ferrero S., Cianotti s., Marino C., Barone A., Lenaz G., Servizi di flessibilità come risorsa per le reti di distribuzione, Rivista AEIT, n. 9710, settembre/ottobre 2021
- [19] Celli G., Pilo F., **Pisano G.**, Soma G. G., Lo Schiavo L., Vailati R., "Analisi Costi-Benefici dei Sistemi di Accumulo nelle reti di distribuzione", L'Energia Elettrica, AEIT, marzo/aprile 2019
- [20] F. Pilo, S. Mocchi, **Pisano G.**, "Ricerca sulle reti di Distribuzione- Sessione 5: Sviluppo del sistema di distribuzione", Rivista AEIT, ISSN: 1825-828X, Vol.96, Numero 12, dicembre 2009.
- [21] F. Pilo, **Pisano G.**, M. Gallanti, "Smartgrid e Reti di Distribuzione Attive: opportunità e barriere", Rivista AEIT, ISSN: 1825-828X, Vol.96, Numero 9, settembre 2009.
- [22] F. Pilo, **Pisano G.**, "Ricerca sulle reti di Distribuzione- Sessione 3: Gestione, controllo e protezione", Rivista AEIT, ISSN: 1825-828X, Vol.96, Numero 12, dicembre 2009.

International Conference Proceedings

- [23] G. Celli, Pilo F, **Pisano G.** (2004). Meshed Distribution Networks to Maximize the Exploitation of Embedded Generation. In: Proceedings Distribution Europe 2004. Amsterdam, 28-29 April 2004

- [24] G. Celli, F. Pilo, and **Pisano G.**, "Optimal distribution network planning with stochastic assessment of voltage dips", in Proc. PMAPS 2004 8th International Conference on Probabilistic Methods Applied to Power Systems, Ames, Iowa (USA), September 13-16, 2004, ISBN: 0-9761319-1-9.
- [25] G. Celli, F. Pilo, **Pisano G.**, V. Allegranza, R. Cicoria, A. Iaria, "Meshed vs. Radial MV Distribution Network in Presence of Large Amount of DG", in Proc. PSCE 2004 Power System Conference and Exposition, New York City (USA), 10-13 October 2004, ISBN: 078038718X.
- [26] G. Celli, F. Pilo, and **Pisano G.**, "Meshed Distribution Networks to Increase the Maximum Allowable Distributed Generation Capacity", in Proc. CIGRE Symposium 2005, Atene (GR), 13-16 aprile 2005.
- [27] G. Celli, F. Pilo, **Pisano G.**, V. Allegranza, R. Cicoria, "Distribution Network Interconnection for Facilitating the Diffusion of Distributed Generation" in Proc. CIRED 2005- 18th International Conference & Exhibition on Electricity Distribution, Torino, 6-9 giugno 2005, ISBN: 0-86341-529-6.
- [28] G. Celli, F. Pilo, **Pisano G.**, G. G. Soma, "Optimal Participation of a Microgrid to the Energy Market with an Intelligent EMS", in Proc. IPEC 2005 – 7th International Power Engineering Conference", ISBN: 981-05-5702-7, Singapore, 29 novembre- 2 dicembre 2005.
- [29] G. Celli, F. Pilo, **Pisano G.**, "Stochastic assessment of voltage dips for a power quality oriented distribution system development", in Proc. PMAPS 2006, Stockholm, Sweden, June 11-15 2006, ISBN: 978-91-7178-585-5.
- [30] F. Pilo, G. Celli, **Pisano G.**, N. Hatziaargyriou, A. Tsikalakis, "Economic scheduling functions to operate microgrids in liberalized energy markets", in Proc. CIGRE 2006, ISBN: 2-85873-020-2, Parigi, August 28th - September 1st, 2006.
- [31] C. Muscas, F. Pilo, **Pisano G.**, S. Sulis, "Optimal Placement of Measurement Devices in Electric Distribution Systems", in Proc. IMTC 2006, Sorrento (IT), 24 - 27 Apr 2006, ISSN: 10915281, ISBN: 0780393600; 978-078039360-8, DOI: 10.1109/IMTC.2006.235833 (ID Scopus: s2.0-34648851714, WOS:000244176703079).
- [32] F. Pilo, **Pisano G.**, G. G. Soma, "Neural Network Energy Management System for the Optimal Control of Microgrids", in Proc. WESC 2006 6th International World Energy System Conference, ISBN: 978-88-87380-51-4, Torino, 10-12 July 2006.
- [33] C. Muscas, F. Pilo, **Pisano G.**, S. Sulis, "Optimal number and location of measurement instruments in distributed systems for harmonic state estimation", in Proc. 7th International Workshop on Power Definitions and Measurements under Non-Sinusoidal Conditions, Cagliari, 10-12 July 2006.
- [34] C. Muscas, F. Pilo, **Pisano G.**, S. Sulis, "Considering the uncertainty on the network parameters in the optimal planning of measurement systems for Distribution State Estimation", in Proc. IMTC 2007, Warsaw, Poland, May 1-3, 2007, ISSN: 10915281, ISBN: 1424410800; 978-142441080-4 (ID Scopus s2.0-34648816167).
- [35] F. Pilo, **Pisano G.**, G. G. Soma, "Distribution Network Investments to Improve Power Quality", in Proc. CIRED 2007, 19th International Conference on Electricity Distribution, Vienna, Austria, 21-24 May 2007.
- [36] F. Pilo, **Pisano G.**, G. G. Soma, "Considering Voltage Dips Mitigation in Distribution Network Planning", in Proc. Power Tech 2007, ISBN: 9781424421909, Lausanne, Switzerland, 1-5 July 2007.
- [37] F. Pilo, **Pisano G.**, G. G. Soma, "Neural Implementation of MicroGrid Central Controllers", in Proc. INDIN 2007 - 5th International Conference on Industrial Informatics, ISBN: 978-1-4244-0851-1, Vienna, Austria, 23-27 July 2007.
- [38] F. Pilo, **Pisano G.**, G. G. Soma, "Planning for "High Quality" Distribution Networks", in Proc. EPQU 2007 - 9th International Conference on Electrical Power Quality and Utilisation, Barcelona, Spain, 09-11 October 2007, ISBN 978-84-690-9441-9.
- [39] C. Muscas, F. Pilo, **Pisano G.**, S. Sulis, "Optimal Measurement Devices Allocation for Harmonic State Estimation Considering Parameters Uncertainty in Distribution Networks", in Proc. EPQU 2007 - 9th International Conference on Electrical Power Quality and Utilisation, Barcelona, Spain, 09-11 Oct 2007, ISBN: 8469100572; 978-846910057-8, (ID Scopus: s2.0-51149106145, WOS:000255859500131).
- [40] C. Muscas, F. Pilo, **Pisano G.**, S. Sulis, "Optimal Location of Measurement Devices in Active Distribution Networks", in Proc. of PMAPS 2008 - 10th International Conference on Probabilistic Methods Applied to Power Systems, Rincon, Puerto Rico, May 25-29, 2008, ISBN: 978-193432521-6 (ID Scopus: s2.0-70349126966, WOS: 000271680900060).

- [41] G. Celli, F. Pilo, **Pisano G.**, and G. G. Soma, "Optimal Planning of Active Networks", invited paper in PSCC 2008, 16th Power Systems Computation Conference, ISBN: 978-0-947649-28-9, Glasgow, Scotland, July 14-18, 2008 (ID Scopus s2.0-84944088552).
- [42] F. Pilo, **Pisano G.**, and G. G. Soma, "Digital Model of a Distribution Management System for the optimal operation of active distribution systems", in Proc. of CIREN Seminar 2008: SmartGrids for Distribution, ISBN: 978-0-86341-935-5, Frankfurt, June 23 – 24, 2008.
- [43] G. Celli, E. Ghiani, S. Mocci, F. Pilo, **Pisano G.**, and G. G. Soma, "From Passive to Active Distribution Networks: Methods and Model for Planning Network Transition and Development", in Proc. of CIGRE General Session, ISBN: 9782858730247, Paris, France, 24 - 29 August 2008, (ID SCopus 2-s2.0-84876772606).
- [44] F. Pilo, **Pisano G.**, G. G. Soma, "Robust Distribution State Estimation for Active Networks", in Proc. of UPEC 2008, 43rd International Universities Power Engineering Conference, Padova, Italy, 1 -4 Sep. 2008, ISBN: 978-888988409-6, DOI: 10.1109/UPEC.2008.4651541 (ID Scopus: s2.0-68949217108, WOS:000263146900112).
- [45] F. Pilo, **Pisano G.**, G. G. Soma, "Optimal placement of Custom Power Devices to mitigate Voltage Dips in Distribution Networks", in Proc. of ICHQP 2008, 13th IEEE International Conference on Harmonics and Quality of Power, Wollongong, New South Wales, Australia, 28 Sep- 1 Oct 2008, ISBN: 978-1-4244-1771-1.
- [46] F. Pilo, **Pisano G.**, and G. G. Soma, "Digital Model of a Distribution Management System for the optimal operation of active distribution systems", CIREN 2009, Prague, June 2009, ISBN: 978-184919126-5.
- [47] F. Pilo, **Pisano G.**, and G. G. Soma, "Advanced DMS to Manage Active Distribution Networks", Powertech 2009, Bucharest, July 2009, ISBN: 978-1-4244-2234-0.
- [48] A. Benigni, J. Liu, F. Ponci, A. Monti, **Pisano G.**, S. Sulis, "Decoupling Power System State Estimation by Means of Stochastic Collocation", in Proc. IMTC 2010, May 3-6, 2010, Austin, Texas (USA), ISBN: 978-142442833-5, DOI: 10.1109/IMTC.2010.5488102 (ID Scopus: s2.0-77957856705).
- [49] S. Mocci, F. Pilo, **Pisano G.**, G. G. Soma, "Optimal CHP Operation in Microgrids to Defer Network Assets' Upgrade", in Proc. CIREN Workshop 2010, June 7-8, 2010, Lyon, (Francia).
- [50] G. Celli, E. Ghiani, S. Mocci, F. Pilo, **Pisano G.**, and G. G. Soma, "Reliability Assessment of Active Distribution Networks", in Proc. CIGRE General Session, 22 - 27 August 2010, Paris, France, ISBN: 978-2-85873-107-7 (ID Scopus 2-s2.0-84876763419).
- [51] R. Langella, L. Nunges, F. Pilo, **Pisano G.**, G. Petretto, S. Sculari, A. Testa, "Preliminary Analysis of MV Cable Line Models for High Frequency Harmonic Penetration Studies", IEEE PES GM 2011, 24-29 July 2011, Detroit, Michigan, USA, ISBN: 978-1-4577-1001-8.
- [52] F. Pilo, **Pisano G.**, G. G. Soma, S. Tedde, "Impact of Distribution State Estimation in DMS Operation", CIREN 2011, 6-9 June 2011, Frankfurt, Germany.
- [53] G. Celli, F. Pilo, **Pisano G.**, G.G. Soma, "Optimal control of active networks with centralized distribution management systems", Proc. of 5th Power Control and Optimization conference, ISBN: 983-44483-49, Dubai, 1-3 June 2011.
- [54] A. Benigni, J. Liu, F. Ponci, A. Monti, **Pisano G.**, S. Sulis, "Considerations on the design of a power system decentralized dynamic observer", in Proc. I2MTC 2011, May 10-12, 2011, Binjiang, Hangzhou, China, ISSN: 10915281, ISBN: 978-142447935-1, DOI: 10.1109/IMTC.2011.5944281 (ID Scopus: s2.0-80051893908).
- [55] F. Pilo, **Pisano G.**, S. Sculari, D. Dal Canto, A. Testa, R. Langella, R. Caldon, R. Turri, "ATLANTIDE – Digital Archive of the Italian Electric Distribution Reference Networks", in Proc. CIREN Workshop, Lisbon, Portugal, 29-30 May 2012, ISBN: 978-1-84919-628-4.
- [56] G. Celli, E. Ghiani, F. Pilo, **Pisano G.**, S. Ruggeri, G. G. Soma, "Electric Vehicles Aggregator Management in Active Distribution Networks", 104^o Convegno Nazionale AEIT Mobilità e Trasporto Elettrico per l'Italia di domani, , Roma, 13-14 Jun 2012, ISBN: 978-88-87237-15-3.
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