

SAVIOZZI MATTEO

Overview

- ? Unit: ELE
- ? Role: Professore associato
- ? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 0
- ? SSD: IIND-08/B (Sistemi elettrici per l'energia)
- ? Scopus ID: 56027556100
- ? Unige Id: 304501
- ? Retrieved at: 2025-11-14T15:15:52.107074

Contact

- ? Email: matteo.saviozzi@unige.it
- ? Page: <https://rubrica.unige.it/personale/VkNDXIpo>
- ? Locations: Opera Pia - padiglione D (ED161450401), 1° piano, US161450401.I.026

Career

- ? Ar, 2016-01-04 ? 2020-02-09
- ? Cb, 2018-09-24 ? 2020-02-09
- ? Rd, 2020-02-10 ? 2025-01-31
- ? Pa, 2025-02-01 ? 2222-02-02

Teaching

2025

- ? Fondamenti Di Controlli Per Sistemi Elettrici (66049), L-9 - Ingegneria Elettrica
- ? Tecniche Di Ottimizzazione Per I Sistemi Elettrici (101704), Lm-28 - Ingegneria Elettrica
- ? Soluzioni Digitali Per Monitorare E Controllare In Modo Ottimale Le Risorse Energetiche Distribuite In Un Ambiente Microgrid - Raise Liguria (113565), Formazione Alla Cittadinanza
- ? Transizione Energetica: Diffusione Delle Rinnovabili E Sfide Alla Gestione Intelligente Del Sistema Elettrico - Raise Liguria (113521), Formazione Alla Cittadinanza
- ? Automation And Control For Electric Marine Applications (101126), L-28 - Maritime Science And Technology
- ? Management And Control Of Electric Energy Systems (118104), Lm-28 - Electrical Engineering For Energy Transition

2024

- ? Tecniche Di Ottimizzazione Per I Sistemi Elettrici (101704), Lm-28 - Ingegneria Elettrica
- ? Soluzioni Digitali Per Monitorare E Controllare In Modo Ottimale Le Risorse Energetiche Distribuite In Un Ambiente Microgrid - Raise Liguria (113565), Formazione Alla Cittadinanza
- ? Transizione Energetica: Diffusione Delle Rinnovabili E Sfide Alla Gestione Intelligente Del Sistema Elettrico - Raise Liguria (113521), Formazione Alla Cittadinanza
- ? Automation And Control For Electric Marine Applications (101126), L-28 - Maritime Science And Technology

2023

- ? Tecniche Di Ottimizzazione Per I Sistemi Elettrici (101704), Lm-28 - Ingegneria Elettrica
- ? Soluzioni Digitali Per Monitorare E Controllare In Modo Ottimale Le Risorse Energetiche Distribuite In Un Ambiente Microgrid - Raise Liguria (113565), Formazione Alla Cittadinanza

? Automation And Control For Electric Marine Applications (101126), L-28 - Maritime Science And Technology

2022

? Tecniche Di Ottimizzazione Per I Sistemi Elettrici (101704), Lm-28 - Ingegneria Elettrica

? Automation And Control For Electric Marine Applications (101126), L-28 - Maritime Science And Technology

2021

? Tecniche Di Ottimizzazione Per I Sistemi Elettrici (101704), Lm-28 - Ingegneria Elettrica

? Automation And Control For Electric Marine Applications (101126), L-28 - Maritime Science And Technology

2020

? Automation And Control For Electric Marine Applications (101126), L-28 - Maritime Science And Technology

Scopus Metrics

? absolute; Docs: 57; Journals: 12; Conferences: 44; Citations: 608; H-index: 13

? 15 years (2010-2025); Docs: 57; Journals: 12; Conferences: 44; Citations: 608; H-index: 13

? 10 years (2015-2025); Docs: 55; Journals: 12; Conferences: 42; Citations: 574; H-index: 11

? 05 years (2020-2025); Docs: 31; Journals: 6; Conferences: 24; Citations: 115; H-index: 5

Scopus Products

1.

? Title: A Model Predictive Control-Based Energy Management Strategy for Secure Operations in Shipboard Power Systems

? Venue: IEEE Transactions on Transportation Electrification

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 3

? Doi: 10.1109/Tte.2024.3471192

? Scopus ID: 2-s2.0-85205774028

? eISSN: 23327782

? Volume: 11

? Issue: 1

? Pages: 4818-4829

? Authors: D'agostino Fabio; Gallo Marco; Saviozzi Matteo; Silvestro Federico

? Keywords: All electric ship (AES) | energy management system (EMS) | model predictive control (MPC) | security constraints | shipboard microgrid | speed optimization

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 73, percentile 92)

? Automotive Engineering (Q1, rank 12, percentile 91)

? Transportation (Q1, rank 16, percentile 90)

? Energy Engineering and Power Technology (Q1, rank 35, percentile 89)

? Source Id: 21100854649

? Author Ids: 56553864200;58202074000;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

- ? Corresponding: D'agostino F.
- 2.
- ? Title: Full Tuning of Double Input Power System Stabilizers via Surrogate Optimization
- ? Venue: 2025 IEEE Kiel Powertech Powertech 2025
- ? Year: 2025
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? DOI: 10.1109/PowerTech59965.2025.11180292
- ? Scopus ID: 2-s2.0-105019317119
- ? Authors: MacCì G.; Massucco S.; Natrella G.; Saviozzi M.; Conte F.; Giannuzzi G.; Tessitore S.
- ? Keywords: Double Input Power System Stabilizer | Optimal Tuning | Power System Stabilizer
- ? Source Id: 21101341419
- ? Author Ids: 60150796500;6603357712;57638571300;56027556100;57151673600;25936117900;57211384304
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60005308;60122257;60122257
- ? Corresponding: MacCì G.
- 3.
- ? Title: Fault Classification in Distribution Networks Using Graph Neural Networks and Discrete Stockwell Transform
- ? Venue: 2025 IEEE Kiel Powertech Powertech 2025
- ? Year: 2025
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? DOI: 10.1109/PowerTech59965.2025.11180505
- ? Scopus ID: 2-s2.0-105019295787
- ? Authors: D'Agostino F.; Mahlalela J. S.; Massucco S.; Mosaico G.; Saviozzi M.; Silvestro F.
- ? Keywords: Discrete Stockwell Transform | Fault Classification | Graph Neural Network | GraphSMOTE | Node Classification | Waveform Measurement Units
- ? Source Id: 21101341419
- ? Author Ids: 56553864200;60150558600;6603357712;57208723957;56027556100;23026343700
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
- ? Corresponding: D'Agostino F.
- 4.
- ? Title: Comparative Assessment of Virtual Inertia in Grid Forming-Based Wind Turbines
- ? Venue: Conference Proceedings 2025 IEEE International Conference on Environment and Electrical Engineering and 2025 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2025
- ? Year: 2025
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? DOI: 10.1109/EEEIC/ICPSEurope64998.2025.11169192
- ? Scopus ID: 2-s2.0-105019041513
- ? Authors: Cardenas Marcelo; D'Agostino Fabio; Saviozzi Matteo; Silvestro Federico; Conte Francesco
- ? Keywords: Deloaded Mode | Grid Forming | MPPT | Virtual Inertia | Wind Turbine
- ? Source Id: 21101340466
- ? Author Ids: 60109695500;56553864200;56027556100;23026343700;57151673600

- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60005308
? Corresponding: Cardenas M.
5.
? Title: Optimal Sizing and Operations of a Hydrogen-Based Multi-Energy Port System with Market Participation and Gas Grid Integration
? Venue: Conference Proceedings 2025 IEEE International Conference on Environment and Electrical Engineering and 2025 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/EEEIC/ICPSEurope64998.2025.11169295
? Scopus ID: 2-s2.0-105019039502
? Authors: Carcasci Carlo; Conte Francesco; D'Agostino Fabio; Guzzo Gabriele; Natrella Gianluca; Saviozzi Matteo
? Keywords: energy markets | gas network | Hydrogen | multi-energy system | port energy management
? Source Id: 21101340466
? Author Ids: 6701748483;57151673600;56553864200;57224441656;57638571300;56027556100
? Authoraffiliationids: 60021859;108398862;60025153;60021859;60025153;60025153
? Corresponding: Carcasci C.
6.
? Title: Comparison of Virtual Inertia Support in GFM Inverter-Based Resources with Different DC Sources
? Venue: 2025 International Conference on Clean Electrical Power Iccep 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Iccep65222.2025.11143695
? Scopus ID: 2-s2.0-105016636749
? Pages: 293-299
? Authors: Cardenas M.; Saviozzi M.; Silvestro F.; Conte F.; Gandolfi C.; Rapizza M.
? Keywords: Grid Forming | Nadir | Rate of Change of Frequency (RoCoF) | Virtual Inertia
? Source Id: 21101333300
? Author Ids: 60109695500;56027556100;23026343700;57151673600;36699552800;55806655700
? Authoraffiliationids: 60025153;60025153;60025153;60005308;60104176;60104176
? Corresponding: Cardenas M.
7.
? Title: Low-Level Simulation of a Grid-Following Inverter with Synthetic Inertia
? Venue: 2025 Aeit Hvdc International Conference Aeit Hvdc 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Aeithvdc66044.2025.11079533
? Scopus ID: 2-s2.0-105012573490
? Authors: Lodi M.; Oliveri A.; Saviozzi M.; Conte F.; Baggi P.
? Keywords: Commercial inverter | inverter modeling | Synthetic inertia
? Source Id: 21101318126
? Author Ids: 57200266678;57200399832;56027556100;57151673600;60030400500
? Authoraffiliationids: 60025153;60025153;60025153;60005308;132941234

? Corresponding: Lodi M.

- 8.
- ? Title: Innovative strategies for the provision of upward frequency regulation through renewables and batteries
 - ? Venue: Energia Elettrica
 - ? Year: 2025
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 0
 - ? Scopus ID: 2-s2.0-105005716970
 - ? Issn: 00137308
 - ? Volume: 102
 - ? Issue: 2
 - ? Pages: 3-12
 - ? Authors: Rapizza Marco Raffaele; Canavese Silvia Maria; Cirio Diego; Saviozzi Matteo; Conte Francesco
 - ? Quartile:
 - 2025:
 - ? Energy Engineering and Power Technology (Q4, rank 302, percentile 7)
 - ? Electrical and Electronic Engineering (Q4, rank 946, percentile 5)
 - ? Civil and Structural Engineering (Q4, rank 407, percentile 2) - ? Source Id: 16662
 - ? Author Ids: 55806655700;59907439200;6504625684;56027556100;57151673600
 - ? Authoraffiliationids: 122143470;122143470;122143470;60025153;60005308
 - ? Corresponding: Rapizza M.R.

- 9.
- ? Title: Two-Stage Stochastic Optimal Energy Management of Microgrids for Participation in Flexibility Markets
 - ? Venue: IEEE Pes Innovative Smart Grid Technologies Europe Isgt Europe 2024
 - ? Year: 2024
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1109/Isgteurope62998.2024.10863134
 - ? Scopus ID: 2-s2.0-86000032130
 - ? Authors: Massucco S.; Mosaico G.; Saviozzi M.; Almaleck P.; Santarelli M.; Serra P.
 - ? Keywords: flexibility services | microgrids | model predictive control | optimal energy management
 - ? Source Id: 21101279501
 - ? Author Ids: 6603357712;57208723957;56027556100;57211999394;57206208449;8246669600
 - ? Authoraffiliationids: 60025153;60025153;60025153;119159635;119159635;119159635
 - ? Corresponding: Massucco S.

- 10.
- ? Title: Optimal Sizing of a Multi - Energy Port with Vehicles Charging Capabilities
 - ? Venue: 2024 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2024
 - ? Year: 2024
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1109/Esars-Itec60450.2024.10819836
 - ? Scopus ID: 2-s2.0-85216923141
 - ? Authors: D'Agostino F.; Gallo M.; Kaza D.; Saviozzi M.; Silvestro F.; Conte F.

? Keywords: Energy Storage System | Multi-Energy | Optimal Sizing | Ship to grid | Smart Port | Vehicle-to-Grid
? Source Id: 21101272773
? Author Ids: 56553864200;58202074000;57218924925;56027556100;23026343700;57151673600
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60005308
? Corresponding: D'Agostino F.

11.

? Title: Optimal Control of a Wind Farm-BESS Unit to Combine Synthetic Inertia and Fast Reserve
? Venue: Proceedings 24th Eeeic International Conference on Environment and Electrical Engineering and 8th I and Cps Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/EEEIC/ICPSEurope61470.2024.10751006
? Scopus ID: 2-s2.0-85211949831
? Authors: Conte Francesco; D'Agostino Fabio; Massucco Stefano; Saviozzi Matteo; Rapizza Marco Raffaele; Gandolfi Chiara
? Keywords: Battery Energy Storage Systems | Fast Frequency Regulation | Model Predictive Control | Synthetic Inertia | Wind Turbines
? Source Id: 21101263912
? Author Ids: 57151673600;56553864200;6603357712;56027556100;55806655700;36699552800
? Authoraffiliationids: 105252934;60025153;60025153;60025153;60104176;60104176
? Corresponding: Conte F.

12.

? Title: Innovative Strategies for Upward Frequency Regulation Provision by Renewables and Batteries
? Venue: 2024 116th Aeit International Annual Conference Aeit 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Aeit63317.2024.10736779
? Scopus ID: 2-s2.0-85210829627
? Authors: Rapizza Marco Raffaele; Canevese Silvia Maria; Cirio Diego; Saviozzi Matteo; Conte Francesco
? Keywords: grid frequency control | ultra-fast regulation with battery energy storage system | wind and photovoltaic support
? Source Id: 21101261562
? Author Ids: 55806655700;13409397100;6504625684;56027556100;57151673600
? Authoraffiliationids: 110071415;110071415;110071415;60025153;60005308
? Corresponding: Rapizza M.R.

13.

? Title: Day-Ahead Programming of Energy Communities Participating in Pay-as-Bid Service Markets
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Pesgm51994.2024.10688872
? Scopus ID: 2-s2.0-85207428013

? Issn: 19449925
? eISSN: 19449933
? Authors: Conte F.; Massucco S.; Natrella G.; Saviozzi M.; Silvestro F.
? Keywords: day-ahead programming | Renewable Energy Community | scenario-based optimization | service market
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)
? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
2024:
? Nuclear Energy and Engineering (Q3, rank 53, percentile 34)
? Electrical and Electronic Engineering (Q3, rank 682, percentile 29)
? Energy Engineering and Power Technology (Q3, rank 215, percentile 28)
? Renewable Energy, Sustainability and the Environment (Q4, rank 238, percentile 20)
? Source Id: 20600195623
? Author Ids: 57151673600;6603357712;57638571300;56027556100;23026343700
? Authoraffiliationids: 60005308;60025153;60025153;60025153;60025153
? Corresponding: Conte F.

- 14.
- ? Title: Development and Selection of Load Forecasting Techniques for Non-Residential Buildings
 - ? Venue: Pmaps 2024 18th International Conference on Probabilistic Methods Applied to Power Systems
 - ? Year: 2024
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1109/Pmaps61648.2024.10667140
 - ? Scopus ID: 2-s2.0-85204764443
 - ? Authors: Massucco S.; Mosaico G.; Saviozzi M.; Almaleck P.; Santarelli M.; Serra P.
 - ? Keywords: building management system | buildings | load demand | Load forecasting
 - ? Source Id: 21101249904
 - ? Author Ids: 6603357712;57208723957;56027556100;57211999394;57206208449;8246669600
 - ? Authoraffiliationids: 60025153;60025153;60025153;119159635;119159635;119159635
 - ? Corresponding: Massucco S.
- 15.
- ? Title: Performance Investigation of an Optimal Control Strategy for Zero-Emission Operations of Shipboard Microgrids
 - ? Venue: 2024 International Symposium on Power Electronics Electrical Drives Automation and Motion Speedam 2024
 - ? Year: 2024
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 1
 - ? Doi: 10.1109/Speedam61530.2024.10609047
 - ? Scopus ID: 2-s2.0-85201736645
 - ? Pages: 1048-1052
 - ? Authors: D'Agostino Fabio; Gallo Marco; Saviozzi Matteo; Silvestro Federico
 - ? Keywords: Carbon Intensity Indicator | Hydrogen | Ship Speed Optimization | Zero-Emission
 - ? Source Id: 21101243575
 - ? Author Ids: 56553864200;58202074000;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: D'Agostino F.

16.

? Title: Electrical consumption forecasting in sports venues: A proposed approach based on neural networks and ARIMAX Models

? Venue: Sustainable Cities and Society

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 19

? DOI: 10.1016/j.scs.2023.105019

? Scopus ID: 2-s2.0-85175150487

? Issn: 22106707

? Volume: 100

? Authors: Almaleck Pablo; Massucco Stefano; Mosaico Gabriele; Saviozzi Matteo; Serra Pietro; Silvestro Federico

? Keywords: ARIMAX models | Artificial neural network | Electrical consumption forecasting | Football arena | Load forecasting | Sports venue

? Quartile:

2025:

? Civil and Structural Engineering (Q1, rank 1, percentile 99)

? Geography, Planning and Development (Q1, rank 4, percentile 99)

? Transportation (Q1, rank 5, percentile 97)

? Renewable Energy, Sustainability and the Environment (Q1, rank 19, percentile 94)

2024:

? Civil and Structural Engineering (Q1, rank 1, percentile 99)

? Geography, Planning and Development (Q1, rank 3, percentile 99)

? Transportation (Q1, rank 4, percentile 97)

? Renewable Energy, Sustainability and the Environment (Q1, rank 16, percentile 94)

? Source Id: 19700194105

? Author Ids: 57211999394;6603357712;57208723957;56027556100;8246669600;23026343700

? Authoraffiliationids: 130383566;60025153;60025153;60025153;130383566;60025153

? Corresponding: Almaleck P.

17.

? Title: Modelling and optimal management of renewable energy communities using reversible solid oxide cells

? Venue: Applied Energy

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 46

? DOI: 10.1016/j.apenergy.2023.120657

? Scopus ID: 2-s2.0-85146670642

? Issn: 03062619

? Volume: 334

? Authors: Bianchi F. R.; Bosio B.; Conte F.; Massucco S.; Mosaico G.; Natrella G.; Saviozzi M.

? Keywords: Green Hydrogen | Renewable Energy Communities | Reversible Solid Oxide Cells | Stochastic Model Predictive Control

? Quartile:

2025:

? Management, Monitoring, Policy and Law (Q1, rank 6, percentile 98)

? Mechanical Engineering (Q1, rank 14, percentile 98)

? Building and Construction (Q1, rank 5, percentile 98)

? Energy (all) (Q1, rank 5, percentile 94)
? Renewable Energy, Sustainability and the Environment (Q1, rank 22, percentile 93)
2023:
? Building and Construction (Q1, rank 1, percentile 99)
? Management, Monitoring, Policy and Law (Q1, rank 5, percentile 98)
? Mechanical Engineering (Q1, rank 12, percentile 98)
? Energy (all) (Q1, rank 4, percentile 95)
? Renewable Energy, Sustainability and the Environment (Q1, rank 15, percentile 94)
? Source Id: 28801
? Author Ids:
57214116004;55888255600;57151673600;6603357712;57208723957;57638571300;56027556100
? Authoraffiliationids: 60025153;60025153;60005308;60025153;60025153;60025153;60025153
? Corresponding: Bianchi F.R.

18.

? Title: Probabilistic Security-Constrained Preventive Control under Forecast Uncertainties Including Volt/Var Constraints
? Venue: Energies
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.3390/en16041812
? Scopus ID: 2-s2.0-85149181238
? eISSN: 19961073
? Volume: 16
? Issue: 4
? Authors: Ciapessoni Emanuele; Cirio Diego; Conte Francesco; Pitto Andrea; Massucco Stefano; Saviozzi Matteo
? Keywords: probability | renewable energy sources | security | stochastic optimization | uncertainty

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
? Fuel Technology (Q2, rank 40, percentile 70)
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2023:

? Control and Optimization (Q1, rank 19, percentile 85)
? Engineering (miscellaneous) (Q1, rank 36, percentile 82)
? Electrical and Electronic Engineering (Q2, rank 200, percentile 74)
? Energy Engineering and Power Technology (Q2, rank 78, percentile 71)
? Fuel Technology (Q2, rank 40, percentile 69)
? Energy (miscellaneous) (Q2, rank 25, percentile 68)
? Renewable Energy, Sustainability and the Environment (Q2, rank 103, percentile 62)

? Source Id: 62932

? Author Ids: 6505804291;6504625684;57151673600;35068505700;6603357712;56027556100
? Authoraffiliationids: 60104176;60104176;60005308;60104176;60025153;60025153
? Corresponding: Ciapessoni E.

19.

? Title: Warm Start Fitted Q Reinforcement Learning for Electric Vehicle Depot Charging
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe

- ? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/lsgteurope56780.2023.10408530
? Scopus ID: 2-s2.0-85187309136
? Authors: Massucco S.; Mosaico G.; Saviozzi M.; Almaleck P.; Santarelli M.; Serra P.
? Keywords: EV Charging | EV depot | Fitted Q-iteration | Reinforcement Learning
? Source Id: 21101206224
? Author Ids: 6603357712;57208723957;56027556100;57211999394;57206208449;8246669600
? Authoraffiliationids: 60025153;60025153;60025153;119159635;119159635;119159635
? Corresponding: Massucco S.
20.
? Title: Optimal Storage Allocation for Transmission Network Development Planning: Study Case of Sicily
? Venue: 2023 IEEE Belgrade Powertech Powertech 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/PowerTech55446.2023.10202764
? Scopus ID: 2-s2.0-85169444849
? Authors: D'Agostino F.; Gabriele B.; Mosaico G.; Saviozzi M.; Silvestro F.
? Keywords: Probabilistic Planning | Storage Allocation | Storage Sizing | Transmission Systems | Volt/Var Optimization
? Source Id: 21101175266
? Author Ids: 56553864200;57219805070;57208723957;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.
21.
? Title: A Security-Constrained Optimal Power Management Algorithm for Shipboard Microgrids with Battery Energy Storage System
? Venue: 2023 IEEE International Conference on Electrical Systems for Aircraft Railway Ship Propulsion and Road Vehicles and International Transportation Electrification Conference Esars Itec 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Esars-Itec57127.2023.10114833
? Scopus ID: 2-s2.0-85160199845
? Authors: D'Agostino F.; Gallo M.; Saviozzi M.; Silvestro F.
? Keywords: Battery Energy Storage System | Efficiency | Power Management Strategy | Security Constraints
? Source Id: 21101154140
? Author Ids: 56553864200;58202074000;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.
22.
? Title: Real-Time Power System Laboratories at the University of Genoa
? Venue: 2022 Aeit International Annual Conference Aeit 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 3
? Doi: 10.23919/Aeit56783.2022.9951786
? Scopus ID: 2-s2.0-85143621135
? Authors: Bonfiglio Andrea; Bracco Stefano; D'Agostino Fabio; Delfino Federico; Laiolo Paola; Invernizzi Marco; Massucco Stefano; Procopio Renato; Saviozzi Matteo; Silvestro Federico
? Keywords: Power Laboratories | Power Systems | Real Time Simulation
? Source Id: 21101125262
? Author Ids: 36607521000;15049159900;56553864200;6603766602;56576462300;6701527755;6603357712;7801615894;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.

23.
? Title: Methods and Tools for the Management of Renewable Energy Communities: the ComER project
? Venue: 2022 Aeit International Annual Conference Aeit 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.23919/Aeit56783.2022.9951776
? Scopus ID: 2-s2.0-85143587755
? Authors: Rita Di Fazio Anna; Losi Arturo; Russo Mario; Cacace Filippo; Conte Francesco; Iannello Giulio; Natrella Gianluca; Saviozzi Matteo
? Keywords: Energy Communities | Renewables | Self-Consumption Management and Control
? Source Id: 21101125262
? Author Ids: 24437779200;7004596459;56186338900;12239653700;57151673600;6701387714;57638571300;56027556100
? Authoraffiliationids:
60001711;60001711;60001711;60005308;60005308;60005308;60025153;60025153
? Corresponding: Rita Di Fazio A.

24.
? Title: Techno-Economic Dispatch Analysis Of A Case Study Consisting Of Micro Gas Turbines Using Real-Time Data
? Venue: Proceedings of the ASME Turbo Expo
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1115/Gt2022-83437
? Scopus ID: 2-s2.0-85141711994
? Volume: 5
? Authors: Uslu Hasan Huseyin; Vinci Andrea; Saviozzi Matteo; Mosaico Gabriele; Assadi Mohsen; Silvestro Federico; Somehsaraei Homam Nikpey
? Keywords: combined heat and power | economic dispatch | electricity market | hydrogen | micro gas turbine
? Source Id: 21100877658
? Author Ids:
57960219500;57191195028;56027556100;57208723957;7003594790;23026343700;55364882500
? Authoraffiliationids: 60014497;60335519;60025153;60025153;60014497;60025153;60014497
? Corresponding: Uslu H.H.

25.
? Title: Optimal Management of Renewable Generation and Uncertain Demand with Reverse

Fuel Cells by Stochastic Model Predictive Control

? Venue: 2022 17th International Conference on Probabilistic Methods Applied to Power Systems Pmaps 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Pmaps53380.2022.9810605
? Scopus ID: 2-s2.0-85135098261
? Authors: Conte F.; Mosaico G.; Natrella G.; Saviozzi M.; Bianchi F. R.
? Keywords: Fuel Cells | Hydrogen | Renewable Energy Communities | Stochastic Model Predictive Control
? Source Id: 21101098702
? Author Ids: 57151673600;57208723957;57638571300;56027556100;57214116004
? Authoraffiliationids: 60005308;60025153;60025153;60025153;60025153
? Corresponding: Conte F.

26.

? Title: Electrical consumption forecasting in hospital facilities
? Venue: Machine Learning and Data Science in the Power Generation Industry Best Practices Tools and Case Studies
? Year: 2021
? Type: Book
? Subtype: Book Chapter
? Citations: 1
? Doi: 10.1016/B978-0-12-819742-4.00009-3
? Scopus ID: 2-s2.0-85126794555
? Pages: 195-211
? Authors: Bagnasco A.; Fresi F.; Saviozzi M.; Silvestro F.; Vinci A.
? Keywords: Building management systems | Electrical consumption in an hospital facility | Energy management systems | Load forecasting | Neural networks
? Source Id: 21101081837
? Author Ids: 6602504190;56730407300;56027556100;23026343700;57191195028
? Authoraffiliationids: 60025153-127870515;126999213;60025153;60025153;127870515
? Corresponding: Bagnasco A.

27.

? Title: A quasi-optimal energy resources management technique for low voltage microgrids
? Venue: International Journal of Electrical Power and Energy Systems
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.1016/j.ijepes.2020.106080
? Scopus ID: 2-s2.0-85083362160
? Issn: 01420615
? Volume: 121
? Authors: Crosa di Vergagni M.; Massucco S.; Saviozzi M.; Silvestro F.; Monachesi F.; Ragaini E.
? Keywords: Demand response | Distributed energy resources | Energy resources management | Flexibility provision | Frequency control | Microgrid | Microgrid optimization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)

- ? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)
2020:
? Electrical and Electronic Engineering (Q1, rank 91, percentile 86)
? Energy Engineering and Power Technology (Q1, rank 33, percentile 85)
? Source Id: 17985
? Author Ids: 56943365800;6603357712;56027556100;23026343700;56028076900;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057
? Corresponding: Crosa di Vergagni M.
28.
? Title: A Markov Chain Load Modeling Approach through a Stream Clustering Algorithm
? Venue: 12th Aeit International Annual Conference Aeit 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.23919/Aeit50178.2020.9241159
? Scopus ID: 2-s2.0-85097165502
? Authors: Massucco Stefano; Mosaico Gabriele; Saviozzi Matteo; Silvestro Federico; Fidigatti Antonio; Ragaini Enrico
? Keywords: Load Modeling | Load Profiling | Markov Chains | Streaming Algorithm
? Source Id: 21101029719
? Author Ids: 6603357712;57208723957;56027556100;23026343700;36699443500;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057
? Corresponding: Massucco S.
29.
? Title: Probabilistic planning for distribution networks including optimal der regulation and storage allocation
? Venue: IEEE Power and Energy Society General Meeting
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Pesgm41954.2020.9281710
? Scopus ID: 2-s2.0-85099129474
? Issn: 19449925
? eISSN: 19449933
? Volume: 2020-August
? Authors: Massucco S.; Mosaico G.; Pongilione P.; Saviozzi M.; Silvestro F.
? Keywords: Distribution Systems | Probabilistic Planning | Storage Allocation | VoltNar optimization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)
? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)
? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)
? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)
? Source Id: 20600195623
? Author Ids: 6603357712;57208723957;57195506239;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Massucco S.
30.
? Title: An Instantaneous Growing Stream Clustering Algorithm for Probabilistic Load Modeling/Profiling
? Venue: 2020 International Conference on Probabilistic Methods Applied to Power

Systems Pmaps 2020 Proceedings

? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Pmaps47429.2020.9183448
? Scopus ID: 2-s2.0-85091339116
? Authors: Massucco Stefano; Mosaico Gabriele; Saviozzi Matteo; Silvestro Federico; Fidigatti Antonio; Ragaini Enrico
? Keywords: Clustering | Load Modeling | Load Profiling | Markov Chains | Streaming Algorithm
? Source Id: 21101021844
? Author Ids: 6603357712;57208723957;56027556100;23026343700;36699443500;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057
? Corresponding: Massucco S.

31.

? Title: An optimization problem for day-ahead planning of electrical energy aggregators
? Venue: IFAC Papersonline
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? DOI: 10.1016/j.ifacol.2020.12.1098
? Scopus ID: 2-s2.0-85105067567
? eISSN: 24058963
? Volume: 53
? Issue: 2
? Pages: 12213-12220
? Authors: Conte Francesco; Saviozzi Matteo; Grillo Samuele
? Keywords: Control of renewable energy resources | Demand response | Intelligent control of power systems | Load aggregator | Optimal operation and control of power systems | Smart grids
? Quartile:
2025:
? Control and Systems Engineering (Q3, rank 218, percentile 42)
2020:
? Control and Systems Engineering (Q3, rank 148, percentile 43)
? Source Id: 21100456158
? Author Ids: 57151673600;56027556100;24437542800
? Authoraffiliationids: 60025153;60025153;60023256
? Corresponding: Conte F.

32.

? Title: Simplified State Space Building Energy Model and Transfer Learning Based Occupancy Estimation for HVAC Optimal Control
? Venue: 5th International Forum on Research and Technologies for Society and Industry Innovation to Shape the Future Rtsi 2019 Proceedings
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 14
? Doi: 10.1109/Rtsi.2019.8895544
? Scopus ID: 2-s2.0-85075638802
? Pages: 353-358

- ? Authors: Mosaico Gabriele; Saviozzi Matteo; Silvestro Federico; Bagnasco Andrea;
Vinci Andrea
? Keywords: building energy model | deep learning | HVAC supervisory control |
occupancy estimation | transfer learning
? Source Id: 21100936629
? Author Ids: 57208723957;56027556100;23026343700;6602504190;57191195028
? Authoraffiliationids: 60025153;60025153;60025153;119528398;119528398
? Corresponding: Mosaico G.
- 33.
- ? Title: Algorithm for Optimal Microgrid Operation and Control with Adaptable Constraints and Flexible Objective Function
? Venue: 5th International Forum on Research and Technologies for Society and Industry Innovation to Shape the Future Rtsi 2019 Proceedings
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Rtsi.2019.8895588
? Scopus ID: 2-s2.0-85075634330
? Pages: 97-102
? Authors: Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.; Almaleck P.; Serra P.
? Keywords: AMPL | economic dispatch | microgrid optimization | MILP | real time control | unit commitment
? Source Id: 21100936629
? Author Ids: 6603357712;57195506239;56027556100;23026343700;57211999394;8246669600
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057
? Corresponding: Massucco S.
- 34.
- ? Title: A hybrid methodology for the day-ahead PV forecasting exploiting a Clear Sky Model or Artificial Neural Networks
? Venue: Eurocon 2019 18th International Conference on Smart Technologies
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Eurocon.2019.8861551
? Scopus ID: 2-s2.0-85074198808
? Authors: Mosaico Gabriele; Saviozzi Matteo
? Keywords: artificial neural networks | clear sky model | hybrid method | linear regression | PV forecasting
? Source Id: 21100933976
? Author Ids: 57208723957;56027556100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Mosaico G.
- 35.
- ? Title: Optimal der regulation and storage allocation in distribution networks:
Volt/Var optimization and congestion relief
? Venue: 2019 IEEE Milan Powertech Powertech 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Ptc.2019.8810422

- ? Scopus ID: 2-s2.0-85072333190
? Authors: D'Agostino F.; Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.
? Keywords: Distribution Systems | Optimal Allocation | Optimal Sizing | Storage Systems | Vol/Var
? Source Id: 21100929352
? Author Ids: 56553864200;6603357712;57195506239;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.
- 36.
- ? Title: The Podcast Project: An Application of Volt/Var Optimization to the Electric Distribution Network of Sanremo (Italy)
? Venue: Synergy MED 2019 1st International Conference on Energy Transition in the Mediterranean Area
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? DOI: 10.1109/SyNERGY-MED.2019.8764115
? Scopus ID: 2-s2.0-85069934277
? Authors: Crosa M.; D'Agostino F.; Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.
? Keywords: Distribution Management Systems | SCADA | Storage Systems | Volt/Nar
? Source Id: 21100921038
? Author Ids: 14007502100;56553864200;6603357712;57195506239;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Crosa M.
- 37.
- ? Title: Implementation of advanced functionalities for Distribution Management Systems: Load forecasting and modeling through Artificial Neural Networks ensembles
? Venue: Electric Power Systems Research
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 69
? DOI: 10.1016/j.epsr.2018.10.036
? Scopus ID: 2-s2.0-85056625184
? Issn: 03787796
? Volume: 167
? Pages: 230-239
? Authors: Saviozzi M.; Massucco S.; Silvestro F.
? Keywords: Artificial Neural Networks | Distribution Management System | Load forecasting | Load modeling
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
2019:
? Energy Engineering and Power Technology (Q1, rank 25, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 84, percentile 87)
? Source Id: 16044
? Author Ids: 56027556100;6603357712;23026343700
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Saviozzi M.
- 38.

? Title: A hybrid technique for day-ahead pv generation forecasting using clear-sky models or ensemble of artificial neural networks according to a decision tree approach
? Venue: Energies
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 39
? DOI: 10.3390/en12071298
? Scopus ID: 2-s2.0-85083347052
? eISSN: 19961073
? Volume: 12
? Issue: 7
? Authors: Massucco Stefano; Mosaico Gabriele; Saviozzi Matteo; Silvestro Federico
? Keywords: Artificial neural networks | Basic ensemble method | CART tree | Clear-sky model | Decision trees | Hybrid method | PV forecasting | Weather classification | Weather type partition
? Quartile:
2025:
? Control and Optimization (Q1, rank 11, percentile 94)
? Engineering (miscellaneous) (Q1, rank 38, percentile 86)
? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)
? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)
? Fuel Technology (Q2, rank 40, percentile 70)
? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)
? Energy (miscellaneous) (Q2, rank 39, percentile 64)
2019:
? Control and Optimization (Q1, rank 19, percentile 81)
? Energy Engineering and Power Technology (Q2, rank 62, percentile 71)
? Electrical and Electronic Engineering (Q2, rank 208, percentile 69)
? Fuel Technology (Q2, rank 33, percentile 66)
? Energy (miscellaneous) (Q2, rank 9, percentile 63)
? Renewable Energy, Sustainability and the Environment (Q2, rank 72, percentile 60)
? Source Id: 62932
? Author Ids: 6603357712;57208723957;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Massucco S.
39.
? Title: Mixed-integer algorithm for optimal dispatch of integrated PV-storage systems
? Venue: IEEE Transactions on Industry Applications
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 37
? Doi: 10.1109/Tia.2018.2870072
? Scopus ID: 2-s2.0-85053325710
? Issn: 00939994
? eISSN: 19399367
? Volume: 55
? Issue: 1
? Pages: 238-247
? Authors: Conte Francesco; D'Agostino Fabio; Pongiglione Paola; Saviozzi Matteo; Silvestro Federico
? Keywords: Battery management system (BMS) efficiency | general algebraic modeling system (GAMS) | microgrid | optimization | photovoltaic (PV) integration | renewable

energy source (RES) | storage modeling | storage system

? Quartile:

2025:

? Control and Systems Engineering (Q1, rank 38, percentile 90)

? Electrical and Electronic Engineering (Q1, rank 102, percentile 89)

? Industrial and Manufacturing Engineering (Q1, rank 49, percentile 88)

2019:

? Industrial and Manufacturing Engineering (Q1, rank 30, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 76, percentile 88)

? Control and Systems Engineering (Q1, rank 29, percentile 88)

? Source Id: 17361

? Author Ids: 57151673600;56553864200;57195506239;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Conte F.

40.

? Title: Design and Validation of a Detailed Building Thermal Model Considering Occupancy and Temperature Sensors

? Venue: IEEE 4th International Forum on Research and Technologies for Society and Industry Rtsi 2018 Proceedings

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 11

? Doi: 10.1109/Rtsi.2018.8548424

? Scopus ID: 2-s2.0-85060034213

? Authors: Bagnasco A.; Massucco S.; Saviozzi M.; Silvestro F.; Vinci A.

? Keywords: building management system | Building thermal model | EnergyPlus

? Source Id: 21100894735

? Author Ids: 6602504190;6603357712;56027556100;23026343700;57191195028

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Bagnasco A.

41.

? Title: Optimal Sizing of a Storage System Coupled with Grid Connected Renewable Generation Respecting Day-Ahead Dispatch Profile

? Venue: Proceedings 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2018

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Eeeic.2018.8494516

? Scopus ID: 2-s2.0-85056499986

? Authors: Massucco S.; Pongilione P.; Saviozzi M.; Silvestro F.; Baccino F.; Serra P.

? Keywords: MILP | Monte Carlo | Optimal Sizing | PV integration | Renewable Energy Resources | Storage System

? Source Id: 21100885800

? Author Ids: 6603357712;57195506239;56027556100;23026343700;55211592900;8246669600

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057

? Corresponding: Massucco S.

42.

? Title: A Stochastic Optimization Method for Planning and Real-Time Control of Integrated PV-Storage Systems: Design and Experimental Validation

? Venue: IEEE Transactions on Sustainable Energy

? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 56
? Doi: 10.1109/Tste.2017.2775339
? Scopus ID: 2-s2.0-85035138529
? Issn: 19493029
? Volume: 9
? Issue: 3
? Pages: 1188-1197
? Authors: Conte Francesco; Massucco Stefano; Saviozzi Matteo; Silvestro Federico
? Keywords: energy storage systems | PV-storage integrated systems | stochastic optimization | uncertainties management

? Quartile:

2025:

? Renewable Energy, Sustainability and the Environment (Q1, rank 20, percentile 93)

2018:

? Renewable Energy, Sustainability and the Environment (Q1, rank 9, percentile 94)

? Source Id: 19700177027

? Author Ids: 57151673600;6603357712;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Conte F.

43.

? Title: Mixed-Integer Linear optimization algorithm for Volt/Var Control on a distribution grid with renewable penetration

? Venue: 2017 6th International Conference on Clean Electrical Power Renewable Energy Resources Impact Iccep 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Iccep.2017.8004824

? Scopus ID: 2-s2.0-85028518742

? Pages: 255-261

? Authors: Massucco S.; Pongiglione P.; Saviozzi M.; Silvestro F.; Rahimi S.

? Keywords: Distributed Energy Resources | DMS | MILP | Volt/Var Control

? Source Id: 21100828603

? Author Ids: 6603357712;57195506239;56027556100;23026343700;55512444200

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60012591

? Corresponding: Massucco S.

44.

? Title: Real time control of a low voltage microgrid through a Distribution Management System

? Venue: 2017 6th International Conference on Clean Electrical Power Renewable Energy Resources Impact Iccep 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Iccep.2017.8004804

? Scopus ID: 2-s2.0-85028507084

? Pages: 133-138

? Authors: D'Agostino F.; Massucco S.; Saviozzi M.; Silvestro F.

? Keywords: Distribution Management System | Microgrid | Real Time Control

? Source Id: 21100828603
? Author Ids: 56553864200;6603357712;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: D'Agostino F.

45.

? Title: Mixed-integer algorithm for optimal dispatch of integrated PV-storage systems
? Venue: Conference Proceedings 2017 17th IEEE International Conference on Environment and Electrical Engineering and 2017 1st IEEE Industrial and Commercial Power Systems Europe Eeeic I and Cps Europe 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Eeeic.2017.7977430
? Scopus ID: 2-s2.0-85026736856
? Authors: Adinolfi F.; Conte F.; D'Agostino F.; Massucco S.; Saviozzi M.; Silvestro F.
? Keywords: BMS efficiency | Dispatching | GAMS | Microgrid | Optimization | PV integration | RES | Storage systems
? Source Id: 21100826217
? Author Ids: 55615847600;57151673600;56553864200;6603357712;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Adinolfi F.

46.

? Title: A load management algorithm for PCC interface breaker
? Venue: 2017 IEEE Pes Innovative Smart Grid Technologies Conference Europe Isgt Europe 2017 Proceedings
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/ISGTEurope.2017.8260266
? Scopus ID: 2-s2.0-85046258917
? Volume: 2018-January
? Pages: 1-6
? Authors: Adinolfi F.; Massucco S.; Saviozzi M.; Silvestro F.; Fidigatti A.; Monachesi F.; Ragaini E.
? Keywords: Interface Breaker | Load Management | Microgrid Management
? Source Id: 21100933068
? Author Ids:
55615847600;6603357712;56027556100;23026343700;36699443500;56028076900;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057;60102057;60102057
? Corresponding: Adinolfi F.

47.

? Title: Net transfer capacity assessment using point estimate method for probabilistic power flow
? Venue: 2016 International Conference on Probabilistic Methods Applied to Power Systems Pmaps 2016 Proceedings
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Pmaps.2016.7764165
? Scopus ID: 2-s2.0-85015228056
? Authors: Adinolfi F.; Massucco S.; Saviozzi M.; Silvestro F.; Ciapessoni E.; Cirio

D.; Pitto A.

? Keywords: Net Transfer Capacity | Point Estimate Method | probabilistic security assessment | uncertainty modeling

? Source Id: 21100801130

? Author Ids:

55615847600;6603357712;56027556100;23026343700;6505804291;6504625684;35068505700

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176;60104176

? Corresponding: Adinolfi F.

48.

? Title: Performance evaluation of algorithms for the State of Charge estimation of storage devices in microgrid operation

? Venue: 19th Power Systems Computation Conference Pscc 2016

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 11

? Doi: 10.1109/Pscc.2016.7540851

? Scopus ID: 2-s2.0-84986576766

? Authors: Adinolfi F.; Conte F.; Massucco S.; Saviozzi M.; Silvestro F.; Grillo S.

? Keywords: Kalman filter | microgrid | State of charge estimation | storage device

? Source Id: 21100778001

? Author Ids: 55615847600;57151673600;6603357712;56027556100;23026343700;24437542800

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60023256

? Corresponding: Adinolfi F.

49.

? Title: Probabilistic assessment of Net Transfer Capacity considering forecast uncertainties

? Venue: 19th Power Systems Computation Conference Pscc 2016

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Pscc.2016.7540855

? Scopus ID: 2-s2.0-84986537483

? Authors: Adinolfi F.; Massucco S.; Saviozzi M.; Silvestro F.; Ciapessoni E.; Cirio D.; Pitto A.

? Keywords: net transfer capacity | point estimate method | probability | third order polynomial normal transformation

? Source Id: 21100778001

? Author Ids:

55615847600;6603357712;56027556100;23026343700;6505804291;6504625684;35068505700

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176;60104176

? Corresponding: Adinolfi F.

50.

? Title: Advanced operational functionalities for a low voltage Microgrid test site

? Venue: IEEE Power and Energy Society General Meeting

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 17

? Doi: 10.1109/Pesgm.2015.7285953

? Scopus ID: 2-s2.0-84956856922

? Issn: 19449925

? eISSN: 19449933

? Volume: 2015-September

? Authors: Adinolfi F.; D'Agostino F.; Massucco S.; Saviozzi M.; Silvestro F.

? Keywords: DER | DMS | energy management | generation forecast | load forecast | Microgrid management | storage system

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 622, percentile 37)

? Nuclear Energy and Engineering (Q3, rank 53, percentile 37)

? Energy Engineering and Power Technology (Q3, rank 208, percentile 36)

? Renewable Energy, Sustainability and the Environment (Q3, rank 232, percentile 25)

? Source Id: 20600195623

? Author Ids: 55615847600;56553864200;6603357712;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Adinolfi F.

51.

? Title: An innovative probabilistic methodology for net transfer capacity evaluation

? Venue: 2015 IEEE Eindhoven Powertech Powertech 2015

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Ptc.2015.7232712

? Scopus ID: 2-s2.0-84951335463

? Authors: Adinolfi F.; Massucco S.; Saviozzi M.; Silvestro F.; Ciapessoni E.; Cirio D.; Pitto A.

? Keywords: Net Transfer Capacity | Point Estimate Method | Probabilistic Security Assessment | Total Transfer Capacity

? Source Id: 21100431809

? Author Ids:

55615847600;6603357712;56027556100;23026343700;6505804291;6504625684;35068505700

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60104176;60104176;60104176

? Corresponding: Adinolfi F.

52.

? Title: Electrical consumption forecasting in hospital facilities: An application case

? Venue: Energy and Buildings

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 111

? DOI: 10.1016/j.enbuild.2015.05.056

? Scopus ID: 2-s2.0-84937550487

? Issn: 03787788

? Volume: 103

? Pages: 261-270

? Authors: Bagnasco A.; Fresi F.; Saviozzi M.; Silvestro F.; Vinci A.

? Keywords: Building management systems | Electrical consumption in an hospital facility | Energy management systems | Load forecasting | Neural networks

? Quartile:

2025:

? Civil and Structural Engineering (Q1, rank 21, percentile 95)

? Mechanical Engineering (Q1, rank 38, percentile 94)

? Electrical and Electronic Engineering (Q1, rank 58, percentile 94)

? Building and Construction (Q1, rank 15, percentile 94)

2015:

? Civil and Structural Engineering (Q1, rank 6, percentile 97)
? Building and Construction (Q1, rank 6, percentile 96)
? Mechanical Engineering (Q1, rank 22, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 63, percentile 90)
? Source Id: 29359
? Author Ids: 6602504190;56730407300;56027556100;23026343700;57191195028
? Authoraffiliationids: 60025153;100463225;60025153;60025153;60025153
? Corresponding: Bagnasco A.

53.

? Title: Smart management of demand in naval application: Prospects and technologies for distributed control of loads
? Venue: 2015 IEEE Electric Ship Technologies Symposium Ests 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Ests.2015.7157885
? Scopus ID: 2-s2.0-84945950317
? Pages: 181-186
? Authors: D'Agostino F.; Saviozzi M.; Silvestro F.; Fidigatti A.; Ragaini E.
? Keywords: Distributed Control of Loads | Intelligent Load Management | PMS | Smart Management
? Source Id: 21100421727
? Author Ids: 56553864200;56027556100;23026343700;36699443500;6507406235
? Authoraffiliationids: 60025153;60025153;60025153;60102057;60102057
? Corresponding: D'Agostino F.

54.

? Title: Pseudo-measurements modeling using neural network and Fourier decomposition for distribution state estimation
? Venue: IEEE Pes Innovative Smart Grid Technologies Conference Europe
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 24
? DOI: 10.1109/ISGTEurope.2014.7028770
? Scopus ID: 2-s2.0-84936984617
? Volume: 2015-January
? Issue: January
? Authors: Adinolfi F.; D'Agostino F.; Morini A.; Saviozzi M.; Silvestro F.
? Keywords: Distribution Management System | Distribution State Estimation | Load Modeling | Pseudo-Measurements
? Source Id: 21100510299
? Author Ids: 55615847600;56553864200;7006658135;56027556100;23026343700
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Adinolfi F.

55.

? Title: Distributed Energy Resources Management in a Low-Voltage Test Facility
? Venue: IEEE Transactions on Industrial Electronics
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 32
? Doi: 10.1109/Tie.2014.2377133
? Scopus ID: 2-s2.0-84924860262

- ? Issn: 02780046
? Volume: 62
? Issue: 4
? Pages: 2593-2603
? Authors: Adinolfi Francesco; Burt Graeme M.; Crolla Paul; D'Agostino Fabio; Saviozzi Matteo; Silvestro Federico
? Keywords: Demand Response | Distributed Energy Resources Integration | Energy Management | Load Management | Microgrid | Real Power Control | Smart Grid
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)
? Control and Systems Engineering (Q1, rank 17, percentile 95)
2015:
? Control and Systems Engineering (Q1, rank 1, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 5, percentile 99)
? Subject (Q1, rank 4, percentile 99)
? Source Id: 26053
? Author Ids: 55615847600;57804705300;6507982140;56553864200;56027556100;23026343700
? Authoraffiliationids: 60025153;60024724;60024724;60025153;60025153;60025153
? Corresponding: Adinolfi F.
56.
? Title: Artificial neural network application to load forecasting in a large hospital facility
? Venue: 2014 International Conference on Probabilistic Methods Applied to Power Systems Pmaps 2014 Conference Proceedings
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1109/Pmaps.2014.6960579
? Scopus ID: 2-s2.0-84915758153
? Authors: Bagnasco A.; Saviozzi M.; Silvestro F.; Vinci A.; Grillo S.; Zennaro E.
? Keywords: artificial neural network | distributed generation | Load forecasting | smart grids
? Source Id: 21100349517
? Author Ids: 6602504190;56027556100;23026343700;57191195028;24437542800;56226101200
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60023256;60032350
? Corresponding: Bagnasco A.
57.
? Title: An architecture for implementing state estimation application in Distribution Management System (DMS)
? Venue: 2013 4th IEEE Pes Innovative Smart Grid Technologies Europe Isgt Europe 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? DOI: 10.1109/ISGTEurope.2013.6695289
? Scopus ID: 2-s2.0-84893634807
? Authors: Adinolfi F.; Baccino F.; D'Agostino F.; Massucco S.; Saviozzi M.; Silvestro F.
? Keywords: Active Networks | Distribution Management System | Distribution State Estimation
? Source Id: 21100286341
? Author Ids: 55615847600;55211592900;56553864200;6603357712;56027556100;23026343700

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Adinolfi F.