

SAVIO STEFANO

Overview

? Unit: ELE
? Role: Professore associato
? Grade: Prof.Associato DPR 232/11 art.2 - t.pieno - cl. 8
? SSD: IIND-08/A (Convertitori, macchine e azionamenti elettrici)
? Scopus ID: 7004161333
? Unige Id: 053900
? Retrieved at: 2025-11-14T15:15:11.893884

Contact

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? Phone: +39 010 33 52182
? Page: <https://rubrica.unige.it/personale/VUZEUlp>
? Locations: Opera Pia - padiglione D (ED161450401), 1° piano, US161450401.I.011

Career

? Pa, 2012-05-01 ? 2222-02-02

Responsibilities

? Title: Responsabile per l'Assicurazione della Qualit  del Dipartimento
? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN
? Period: 2025-04-29 ? 2028-04-28

Teaching

2025

? Metodi E Modelli Per La Predizione Di Dependability Dei Sistemi Industriali (118113), L-9 - Ingegneria Elettrica
? Metodi E Modelli Per La Predizione Di Dependability Dei Sistemi Industriali (118113), L-9 - Ingegneria Elettrica
? Macchine Elettriche (66171), L-9 - Ingegneria Elettrica

2024

? Macchine Elettriche (66171), L-9 - Ingegneria Elettrica
? Affidabilit  E Sicurezza Dei Sistemi (94678), Lm-28 - Ingegneria Elettrica
? Affidabilit  E Sicurezza Dei Sistemi (94678), Lm-28 - Ingegneria Elettrica

2023

? Macchine Elettriche (66171), L-9 - Ingegneria Elettrica
? Affidabilit  E Sicurezza Dei Sistemi (94678), Lm-28 - Ingegneria Elettrica

2022

? Macchine Elettriche (66171), L-9 - Ingegneria Elettrica
? Affidabilit  E Sicurezza Dei Sistemi (94678), Lm-28 - Ingegneria Elettrica

2021

? Macchine Elettriche (66171), L-9 - Ingegneria Elettrica
? Affidabilit  E Sicurezza Dei Sistemi (94678), Lm-28 - Ingegneria Elettrica
? Azionamenti Elettrici (72307), L-9 - Ingegneria Meccanica

2020

? Macchine Elettriche (66171), L-9 - Ingegneria Elettrica

Scopus Metrics

? absolute; Docs: 52; Journals: 7; Conferences: 41; Citations: 645; H-index: 11

? 15 years (2010-2025); Docs: 18; Journals: 6; Conferences: 12; Citations: 482; H-index: 7

? 10 years (2015-2025); Docs: 12; Journals: 4; Conferences: 8; Citations: 406; H-index: 6

? 05 years (2020-2025); Docs: 6; Journals: 2; Conferences: 4; Citations: 12; H-index: 2

Scopus Products

1.

? Title: Digital Control of Multilevel Interleaved GaN DC-DC Converter for Fuel Cell Electric Powertrains

? Venue: IEEE Transactions on Industry Applications

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1109/Tia.2025.3599817

? Scopus ID: 2-s2.0-105013881215

? Issn: 00939994

? eISSN: 19399367

? Authors: Savio Stefano; Giuffrida Simone; Mandrile Fabio; Stella Fausto; Armando Eric Giacomo; Bojoi Radu

? Keywords: DC-DC converters | digital control | Fuel cells | Gallium Nitride (GaN) | Multilevel converters

? 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)

? Source Id: 17361

? Author Ids: 7004161333;59117055600;57206669520;57195946876;24476525700;57216646029

? Corresponding: Savio S.

2.

? Title: A New Feed-Forward Control for Dynamics Improvement in a Dual-Input DC?DC Converter for Hybrid Vehicle Applications

? Venue: Energies

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.3390/en17092170

? Scopus ID: 2-s2.0-85192750704

? eISSN: 19961073

? Volume: 17

? Issue: 9

? Authors: Benevieri Alessandro; Carbone Lorenzo; Cosso Simone; Marchesoni Mario; Passalacqua Massimiliano; Savio Stefano; Vaccaro Luis

? Keywords: control strategy | DCM | DC?DC converter | feed forward | multi-input converter

? 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)

2024:

? Control and Optimization (Q1, rank 15, percentile 90)
? Engineering (miscellaneous) (Q1, rank 39, percentile 85)
? Electrical and Electronic Engineering (Q1, rank 173, percentile 82)
? Energy Engineering and Power Technology (Q1, rank 73, percentile 75)
? Fuel Technology (Q2, rank 38, percentile 71)
? Energy (miscellaneous) (Q2, rank 32, percentile 68)
? Renewable Energy, Sustainability and the Environment (Q2, rank 105, percentile 64)

? Source Id: 62932

? Author Ids:

57226763007;57324886200;57324695200;6701827441;57195070159;7004161333;21935399500

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

? Corresponding: Benevieri A.

3.

? Title: Design of a 75kW Three-Level DC/DC GaN Converter for Automotive Fuel-cell Application

? Venue: 2024 IEEE Energy Conversion Congress and Exposition Ecce 2024 Proceedings

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ecce55643.2024.10861727

? Scopus ID: 2-s2.0-86000465810

? Pages: 2475-2482

? Authors: Giuffrida Simone; Savio Stefano; Mandrile Fabio; Stella Fausto; Armando Eric; Bojoi Radu

? Keywords: Automotive | DC/DC converter | Fuel-cell | GaN HEMTs | Multilevel

? Source Id: 21101281529

? Author Ids: 59117055600;7004161333;57206669520;57195946876;24476525700;57216646029

? Authoraffiliationids: 60012162;60012162;60012162;60012162;60012162;60012162

? Corresponding: Giuffrida S.

4.

? Title: Digital Control of a Multilevel Interleaved DC-DC GaN Converter for Fuel Cell Traction Applications

? Venue: 2024 IEEE Energy Conversion Congress and Exposition Ecce 2024 Proceedings

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Ecce55643.2024.10861747

? Scopus ID: 2-s2.0-86000458329

? Pages: 4484-4490

? Authors: Savio Stefano; Giuffrida Simone; Mandrile Fabio; Stella Fausto; Armando Eric; Bojoi Radu

? Keywords: DCDC converter | Digital control | Fuel cells | GaN

? Source Id: 21101281529

? Author Ids: 7004161333;59117055600;57206669520;57195946876;24476525700;57216646029

? Authoraffiliationids: 60012162;60012162;60012162;60012162;60012162;60012162

? Corresponding: Savio S.

- 5.
- ? Title: Cost Effective 3D Printed Heatsink for Fast Prototyping of WBG Power Converters
 - ? Venue: Conference Proceedings IEEE Applied Power Electronics Conference and Exposition APEC
 - ? Year: 2024
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 2
 - ? Doi: 10.1109/Apec48139.2024.10509035
 - ? Scopus ID: 2-s2.0-85192689187
 - ? Issn: 10482334
 - ? Pages: 2562-2567
 - ? Authors: Stella Fausto; Savio Stefano; Vico Enrico; Bojoi Radu; Armando Eric
 - ? Keywords: 3D Printing | Advanced Cooling | Heatsink | Liquid Cooling | Rapid Prototyping | Wide Bandgap
 - ? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 447, percentile 55)
2024:
? Electrical and Electronic Engineering (Q2, rank 410, percentile 57)
 - ? Source Id: 31003
 - ? Author Ids: 57195946876;7004161333;57221641780;57216646029;24476525700
 - ? Authoraffiliationids: 60012162;60012162;60012162;60012162;60012162
 - ? Corresponding: Stella F.
- 6.
- ? Title: An Integrated Capacitive Power Transfer System for Field Excitation of Wound Field Synchronous Machine
 - ? Venue: Conference Proceedings IEEE Applied Power Electronics Conference and Exposition APEC
 - ? Year: 2023
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 6
 - ? Doi: 10.1109/Apec43580.2023.10131173
 - ? Scopus ID: 2-s2.0-85162210149
 - ? Volume: 2023-March
 - ? Pages: 829-835
 - ? Authors: Savio Stefano; Hassan Gillani Syed Muhammad; Pratik Ujjwal; Chattopadhyay Ritvik; Husain Iqbal; Pantic Zeljko
 - ? Keywords: brushless | Capacitive Power Transfer (CPT) | wireless power transfer | Wound Field Synchronous Machine (WFSM)
 - ? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 447, percentile 55)
2023:
? Electrical and Electronic Engineering (Q3, rank 406, percentile 49)
 - ? Source Id: 31003
 - ? Author Ids: 7004161333;58318211500;57200517361;55976417200;7006220122;35223647000
 - ? Authoraffiliationids: 60012162;60279548;60279548;60279548;60279548
 - ? Corresponding: Savio S.
- 7.
- ? Title: Data-driven ship digital twin for estimating the speed loss caused by the marine fouling

? Venue: Ocean Engineering
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 212
? DOI: 10.1016/j.oceaneng.2019.05.045
? Scopus ID: 2-s2.0-85067817812
? Issn: 00298018
? Volume: 186
? Authors: Coraddu Andrea; Oneto Luca; Baldi Francesco; Cipollini Francesca; Atlar Mehmet; Savio Stefano
? Keywords: Condition based maintenance | Data-Driven Models | Deep learning | Digital twin | Fouling | Hull and propeller maintenance | ISO 19030
? Quartile:
2025:
? Ocean Engineering (Q1, rank 6, percentile 95)
? Environmental Engineering (Q1, rank 38, percentile 83)
2019:
? Ocean Engineering (Q1, rank 12, percentile 87)
? Environmental Engineering (Q1, rank 32, percentile 76)
? Source Id: 28339
? Author Ids: 55193514900;41262130900;57213300200;57197726257;6701684164;7004161333
? Authoraffiliationids: 60024724;60121711;60019637;60121711;60024724;60025153
? Corresponding: Coraddu A.

8.

? Title: Improvements of the Ship Energy Efficiency by a Steam Powered Turbogenerator in LNG Propulsion Applications
? Venue: Speedam 2018 Proceedings International Symposium on Power Electronics Electrical Drives Automation and Motion
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Speedam.2018.8445202
? Scopus ID: 2-s2.0-85053839190
? Pages: 449-455
? Authors: Altosole M.; Campora U.; Savio S.
? Keywords: Heat recovery | LNG fuel | Marine hybrid propulsion | Ship energy efficiency | Steam turbogenerator
? Source Id: 21100878002
? Author Ids: 13006187800;6508251998;7004161333
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Altosole M.

9.

? Title: Unintrusive Monitoring of Induction Motors Bearings via Deep Learning on Stator Currents
? Venue: Procedia Computer Science
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 14
? DOI: 10.1016/j.procs.2018.10.503
? Scopus ID: 2-s2.0-85061160245
? eISSN: 18770509

? Volume: 144
? Pages: 42-51
? Authors: Cipollini Francesca; Oneto Luca; Coraddu Andrea; Savio Stefano; Anguita Davide
? Keywords: Bearings | Deep Learning | Induction Motors | Monitoring | Stator Currents
? Quartile:
2025:
? Computer Science (all) (Q2, rank 107, percentile 55)
2018:
? Computer Science (all) (Q2, rank 70, percentile 67)
? Source Id: 19700182801
? Author Ids: 57197726257;41262130900;55193514900;7004161333;7004764744
? Authoraffiliationids: 60121711;60121711;60024724;60025153;60121711
? Corresponding: Cipollini F.

10.

? Title: Machine learning approaches for improving condition-based maintenance of naval propulsion plants
? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 135
? Doi: 10.1177/1475090214540874
? Scopus ID: 2-s2.0-84953876479
? Issn: 14750902
? eISSN: 20413084
? Volume: 230
? Issue: 1
? Pages: 136-153
? Authors: Coraddu Andrea; Oneto Luca; Ghio Aessandro; Savio Stefano; Anguita Davide; Figari Massimo
? Keywords: asset decay forecast | COmbined Diesel eLectric And Gas propulsion plant | Condition-based maintenance | gas turbine | machine learning
? Quartile:
2025:
? Ocean Engineering (Q2, rank 37, percentile 68)
? Mechanical Engineering (Q2, rank 249, percentile 66)
2016:
? Ocean Engineering (Q2, rank 25, percentile 71)
? Mechanical Engineering (Q2, rank 161, percentile 70)
? Source Id: 25596
? Author Ids: 55193514900;41262130900;23492204700;7004161333;7004764744;6507282370
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60121711;60025153
? Corresponding: Coraddu A.

11.

? Title: Machine learning for wear forecasting of naval assets for condition-based maintenance applications
? Venue: Electrical Systems for Aircraft Railway and Ship Propulsion Esars
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 21
? Doi: 10.1109/Esars.2015.7101499

? Scopus ID: 2-s2.0-84946196162
? Issn: 21659400
? eISSN: 21659427
? Volume: 2015-May
? Authors: Coraddu Andrea; Oneto Luca; Ghio Alessandro; Savio Stefano; Figari Massimo; Anguita Davide
? Keywords: Condition-Based Maintenance | Machine Learning | Naval Propulsion Plant | Publicly Distributed Dataset
? Source Id: 21100228516
? Author Ids: 55193514900;41262130900;23492204700;7004161333;6507282370;7004764744
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60121711
? Corresponding: Coraddu A.

12.

? Title: Railway Transportation Efficiency Improvement: Loco Health Assessment by Time Domain Data Analysis to Support Condition Based Maintenance Implementation
? Venue: Transportation Research Procedia
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1016/j.trpro.2015.03.032
? Scopus ID: 2-s2.0-84959356346
? Issn: 23521457
? eISSN: 23521465
? Volume: 6
? Pages: 424-433
? Authors: Capasso Marco; Savio Stefano; Firpo Pierluigi; Parisi Gianluca
? Keywords: Condition Based Maintenance | Diagnostics | Independent Component Analysis | Inverter-fed induction motor
? Quartile:
2025:
? Transportation (Q3, rank 101, percentile 35)
? Source Id: 21100448300
? Author Ids: 57147221200;7004161333;6602760106;57146745600
? Authoraffiliationids: 60025153;60025153;60086239;60086239
? Corresponding: Capasso M.

13.

? Title: Numerical investigation on ship energy efficiency by Monte Carlo simulation
? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 41
? Doi: 10.1177/1475090214524184
? Scopus ID: 2-s2.0-84927632010
? Issn: 14750902
? eISSN: 20413084
? Volume: 228
? Issue: 3
? Pages: 220-234
? Authors: Coraddu Andrea; Figari Massimo; Savio Stefano
? Keywords: Marine engineering | Marine systems | Naval architecture | Numerical modeling | Simulation

? Quartile:
2025:
? Ocean Engineering (Q2, rank 37, percentile 68)
? Mechanical Engineering (Q2, rank 249, percentile 66)
2014:
? Ocean Engineering (Q2, rank 30, percentile 65)
? Mechanical Engineering (Q2, rank 212, percentile 59)
? Source Id: 25596
? Author Ids: 55193514900;6507282370;7004161333
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Coraddu A.

14.

? Title: Integration of seakeeping and powering computational techniques with meteo-marine forecasting data for in-service ship energy assessment
? Venue: Developments in Maritime Transportation and Exploitation of Sea Resources Proceedings of Imam 2013 15th International Congress of the International Maritime Association of the Mediterranean
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 20
? Scopus ID: 2-s2.0-84894441228
? Volume: 1
? Pages: 93-101
? Authors: Coraddu A.; Figari M.; Savio S.; Villa D.; Orlandi A.
? Source Id: 21100286947
? Author Ids: 55193514900;6507282370;7004161333;56250522200;8072174500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60082857
? Corresponding: Coraddu A.

15.

? Title: Ship energy assessment by numerical simulation marine 2013
? Venue: Computational Methods in Marine Engineering V Proceedings of the 5th International Conference on Computational Methods in Marine Engineering Marine 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-84891349590
? Pages: 530-540
? Authors: Coraddu A.; Figari M.; Savio S.
? Keywords: Energy management | Energy modelling | Marine engineering | Simulation
? Source Id: 21100277019
? Author Ids: 55193514900;6507282370;7004161333
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Coraddu A.

16.

? Title: Probability of achieving the energy efficiency index by Monte Carlo simulation
? Venue: Rina Royal Institution of Naval Architects International Conference on Managing Reliability and Maintainability in the Maritime Industry Papers
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-84864885198

? Pages: 107-114
? Authors: Figari M.; Savio S.; Coraddu Andrea
? Source Id: 21100208092
? Author Ids: 6507282370;7004161333;55193514900
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Figari M.

17.

? Title: Reliability and availability performances of a universal and flexible power management system
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Isie.2010.5637723
? Scopus ID: 2-s2.0-78650379423
? Pages: 2461-2468
? Authors: Magro Micaela Caserza; Savio Stefano
? Source Id: 85690
? Author Ids: 6603834120;7004161333
? Authoraffiliationids: 60025153;60025153
? Corresponding: Magro M.C.

18.

? Title: Stochastic performances estimate of a universal and flexible power management system for the future European electricity network
? Venue: Renewable Energy and Power Quality Journal
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.24084/repqj08.425
? Scopus ID: 2-s2.0-85073394145
? eISSN: 2172038X
? Volume: 1
? Issue: 8
? Pages: 629-636
? Authors: Magro Micaela Caserza; Savio Stefano
? Keywords: Availability | Monte Carlo method | Power conversion | Power distribution | Reliability
? Source Id: 21100916460
? Author Ids: 6603834120;7004161333
? Authoraffiliationids: 60025153;60025153
? Corresponding: Magro M.C.

19.

? Title: Dependability and impact analysis for a universal and flexible power management system
? Venue: EPE Journal European Power Electronics and Drives Journal
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1080/09398368.2009.11463737
? Scopus ID: 2-s2.0-77949357840
? Issn: 09398368

? eISSN: 23769319
? Volume: 19
? Issue: 4
? Pages: 51-58
? Authors: Magro Micaela Caserza; Savio Stefano
? Keywords: Availability | Monte Carlo method | Power conversion | Power distribution | Reliability
? Source Id: 24776
? Author Ids: 6603834120;7004161333
? Authoraffiliationids: 60025153;60025153
? Corresponding: Magro M.C.

20.

? Title: Base reliability analysis for an universal and flexible power management system
? Venue: IEEE Convention of Electrical and Electronics Engineers in Israel Proceedings
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Eeei.2008.4736702
? Scopus ID: 2-s2.0-62749155338
? Pages: 265-269
? Authors: Magro Micaela Caserza; Savio Stefano
? Keywords: Power conversion | Power distribution | Reliability estimation | Reliability modeling
? Source Id: 145204
? Author Ids: 6603834120;7004161333
? Authoraffiliationids: 60025153;60025153
? Corresponding: Magro M.C.

21.

? Title: Estimate of components reliability and maintenance strategies impact on trains delay
? Venue: 21st European Conference on Modelling and Simulation Simulations in United Europe Ecms 2007
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.7148/2007-0447
? Scopus ID: 2-s2.0-84857553073
? Pages: 447-452
? Authors: Dazzi Giovanni; Savio Stefano; Firpo Pierluigi
? Keywords: Maintenance | Monte Carlo | Reliability | Train delay
? Source Id: 21100198434
? Author Ids: 55039820600;7004161333;6602760106
? Authoraffiliationids: 60025153;60025153;60083122
? Corresponding: Dazzi G.

22.

? Title: A cost effective solution to manage rail cargo fleets: The final assessment of the F-MAN project
? Venue: Wit Transactions on the Built Environment
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 0
? Doi: 10.2495/Cr060901
? Scopus ID: 2-s2.0-36148956216
? Issn: 17433509
? Volume: 88
? Pages: 923-932
? Authors: Cosulich G.; Derito A.; Giannettoni M.; Savio S.
? Keywords: Cargo fleet management | IT-based system | Railway | Simulation
? Source Id: 5700191221
? Author Ids: 6603166019;6507485721;6507523317;7004161333
? Authoraffiliationids: 100801606;100801606;60025153;60025153
? Corresponding: Cosulich G.

23.

? Title: Results of the evaluation of F-man - An innovative solution for the management of railway cargo fleets
? Venue: IFAC Proceedings Volumes IFAC Papersonline
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.3182/20060829-3-nl-2908.00058
? Scopus ID: 2-s2.0-79961119059
? Issn: 14746670
? Volume: 11
? Issue: Part 1
? Pages: 331-336
? Authors: Cosulich G.; Derito A.; Giannettoni M.; Savio S.
? Keywords: Asset management | Cargo fleet | IT-based system | Railway
? Quartile:
2025:
? Control and Systems Engineering (Q3, rank 218, percentile 42)
? Source Id: 21100456158
? Author Ids: 6603166019;6507485721;6507523317;7004161333
? Authoraffiliationids: 100801606;100801606;60025153;60025153
? Corresponding: Cosulich G.

24.

? Title: A new conversion system for the interface of generating and storage devices in hybrid fuel-cell vehicles
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Isie.2005.1529150
? Scopus ID: 2-s2.0-33748376650
? Volume: IV
? Pages: 1477-1482
? Authors: Carpaneto M.; Ferrando G.; Marchesoni M.; Savio S.
? Source Id: 85690
? Author Ids: 14422109200;57199552745;6701827441;7004161333
? Authoraffiliationids: 60025153;60025153;60000251-60025153;60000251-60025153
? Corresponding: Carpaneto M.

25.

? Title: Failures impact analysis for a fuel cell vehicle based on current and future

stochastic performances of traction chain power components
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Isie.2005.1529147
? Scopus ID: 2-s2.0-33748343628
? Volume: IV
? Pages: 1459-1464
? Authors: Marchesoni Mario; Savio Stefano
? Source Id: 85690
? Author Ids: 6701827441;7004161333
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Marchesoni M.

26.

? Title: Reliability analysis of a fuel cell electric city car
? Venue: 2005 European Conference on Power Electronics and Applications
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 18
? DOI: 10.1109/epe.2005.219673
? Scopus ID: 2-s2.0-33947652316
? Volume: 2005
? Authors: Marchesoni Mario; Savio Stefano
? Keywords: Battery management systems | Fuel cells system | Hybrid electric vehicle | Reliability | Supercapacitor
? Source Id: 5300152709
? Author Ids: 6701827441;7004161333
? Authoraffiliationids: 60025153;60025153
? Corresponding: Marchesoni M.

27.

? Title: Stochastic estimate of redundancy effects for non conventional ac locomotive traction drives
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Isie.2004.1571967
? Scopus ID: 2-s2.0-66549124384
? Volume: 2
? Pages: 1099-1104
? Authors: Fazio Vincenzo; Marchesoni Mario; Savio Stefano
? Keywords: Power electronics | Redundant architecture | Reliability | Stochastic performance. | Traction drive
? Source Id: 85690
? Author Ids: 26641843100;6701827441;7004161333
? Authoraffiliationids: 100801606;60025153-60000251;60025153-60000251
? Corresponding: Fazio V.

28.

? Title: The European project COMBINE 2 to improve knowledge on future rail traffic management systems

? Venue: Advances in Transport
? Year: 2004
? Type: Book Series
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-4644296430
? Issn: 1462608x
? Volume: 15
? Pages: 695-704
? Authors: Giannettoni M.; Savio S.
? Keywords: Mixed signalling | Railway | Traffic Management System
? Source Id: 17691
? Author Ids: 6507523317;7004161333
? Authoraffiliationids: 60025153;60025153
? Corresponding: Giannettoni M.

29.

? Title: Fleet management in railway freight transport: The EU project F-MAN
? Venue: Advances in Transport
? Year: 2004
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-4644242737
? Issn: 1462608x
? Volume: 15
? Pages: 361-370
? Authors: Giannettoni M.; Savio S.
? Keywords: Fleet management | Freight | Railway
? Source Id: 17691
? Author Ids: 6507523317;7004161333
? Authoraffiliationids: 60025153;60025153
? Corresponding: Giannettoni M.

30.

? Title: How to reduce industrial systems maintenance cost through an optimised troubleshooting process
? Venue: 2003 IEEE Bologna Powertech Conference Proceedings
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Ptc.2003.1304144
? Scopus ID: 2-s2.0-84861491758
? Volume: 1
? Pages: 265-272
? Authors: Fazio Vincenzo; Firpo Pierluigi; Savio Stefano
? Keywords: Fault isolation | Maintenance | Reliability
? Source Id: 21100202741
? Author Ids: 26641843100;6602760106;7004161333
? Authoraffiliationids: 60025153;100801606;60025153
? Corresponding: Fazio V.

31.

? Title: Power electronics reliability and stochastic performances of innovative ac traction drives: A comparative analysis
? Venue: 2003 IEEE Bologna Powertech Conference Proceedings

? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Doi: 10.1109/Ptc.2003.1304473
? Scopus ID: 2-s2.0-70349441730
? Volume: 3
? Pages: 734-741
? Authors: Bozzo Riccardo; Fazio Vincenzo; Savio Stefano
? Keywords: Electrical drives | Power electronics | Reliability
? Source Id: 21100202741
? Author Ids: 7006475772;26641843100;7004161333
? Authoraffiliationids: 100801606;60025153;60025153
? Corresponding: Bozzo R.

32.

? Title: AC locomotive conversion systems without heavy transformers: Is it a practicable solution?
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 37
? DOI: 10.1109/isie.2002.1025955
? Scopus ID: 2-s2.0-84863296148
? Volume: 4
? Pages: 1172-1177
? Authors: Marchesoni Mario; Novaro Roberto; Savio Stefano
? Source Id: 85690
? Author Ids: 6701827441;9235503200;7004161333
? Authoraffiliationids: 60025153;100860496;60025153
? Corresponding: Marchesoni M.

33.

? Title: Effect of MTTF and MTTR statistical uncertainty on mission dependability for power electronics equipped systems
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2001
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0034851165
? Volume: 2
? Pages: 1339-1344
? Authors: Fazio V.; Firpo P.; Savio S.
? Source Id: 85690
? Author Ids: 26641843100;6602760106;7004161333
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fazio V.

34.

? Title: Moving block and traffic management in railway applications: The EC project COMBINE
? Venue: Advances in Transport
? Year: 2000
? Type: Book Series
? Subtype: Conference Paper

? Citations: 1
? Scopus ID: 2-s2.0-4544334593
? Issn: 1462608x
? Volume: 7
? Pages: 11-20
? Authors: Giuliani M.; Pellegrini F.; Savio S.
? Source Id: 17691
? Author Ids: 6506970944;7006173840;7004161333
? Authoraffiliationids: 60025153;101733634;60025153
? Corresponding: Giuliani M.

35.

? Title: Reliability demonstration for complex redundant systems in railway applications
? Venue: Advances in Transport
? Year: 2000
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-4544264888
? Issn: 1462608x
? Volume: 7
? Pages: 923-932
? Authors: Bozzo R.; Fazio V.; Firpo P.; Savio S.
? Source Id: 17691
? Author Ids: 7006475772;26641843100;6602760106;7004161333
? Authoraffiliationids: 60025153;60025153;100367842;60025153
? Corresponding: Bozzo R.

36.

? Title: An innovative procedure for reliability assessment of power electronics equipped systems: A real case study
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2000
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Scopus ID: 2-s2.0-0034429648
? Volume: 2
? Pages: 511-516
? Authors: Fazio V.; Savio S.; Firpo P.
? Source Id: 85690
? Author Ids: 26641843100;7004161333;6602760106
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fazio V.

37.

? Title: Modelling of diagnostics aided RCM procedure for transportation systems dependability and cost evaluation
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 1999
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0033357925
? Volume: 2
? Pages: 877-882

? Authors: Savio Stefano
? Source Id: 85690
? Author Ids: 7004161333
? Authoraffiliationids: 60025153
? Corresponding: Savio S.

38.

? Title: Voltage regulation of AC/DC converters for railway applications: A comparison among control strategies
? Venue: IEEE Conference on Control Applications Proceedings
? Year: 1998
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-0032301401
? Volume: 2
? Pages: 1394-1398
? Authors: Galaverna Marco; Savio Stefano; Sciutto Giuseppe; Tenca Pierluigi
? Source Id: 25434
? Author Ids: 6603023418;7004161333;7003892246;55962997800
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Galaverna M.

39.

? Title: Automatic conflict detection and resolution in metrorail systems: Evaluation approach for MARCO EU project
? Venue: Proceedings of the International Conference on Urban Transport and the Environment for the 21st Century
? Year: 1998
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-0032272917
? Pages: 461-470
? Authors: D'Addio G. F.; Mazzucchelli M.; Savio S.
? Source Id: 64186
? Author Ids: 6601969294;15623683200;7004161333
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: D'Addio G.

40.

? Title: Reliability centered maintenance: A solution to optimize mass transit system cost effectiveness
? Venue: IEE Conference Publication
? Year: 1998
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Scopus ID: 2-s2.0-0031677349
? Issn: 05379989
? Issue: 453
? Pages: 211-216
? Authors: D'Addio G. F.; Firpo P.; Savio S.
? Source Id: 34914
? Author Ids: 6601969294;6602760106;7004161333
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: D'Addio G.

41.

? Title: Optimized reliability centered maintenance of vehicles electrical drives for high speed railway applications
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Scopus ID: 2-s2.0-0031362066
? Volume: 2
? Pages: 555-560
? Authors: D'Addio Gian Francesco; Savio Stefano; Firpo Pierluigi
? Source Id: 85690
? Author Ids: 6601969294;7004161333;6602760106
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: D'Addio G.

42.

? Title: Safety specification and acceptance in ship control systems: A novel approach based on dynamic system modelling
? Venue: Proceedings of the International Conference on Marine Technology Odra
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0030721373
? Pages: 373-382
? Authors: D'Addio Gian Francesco; Firpo Pierluigi; Savio Stefano; Sciutto Giuseppe
? Source Id: 74820
? Author Ids: 6601969294;6602760106;7004161333;7003892246
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: D'Addio G.

43.

? Title: Electrical substation dependability analysis for high speed railway systems: A simplified approach
? Venue: Proceedings of the International Conference on Computer Aided Design Manufacture and Operation in the Railway and Other Mass Transit Systems
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-0030398213
? Volume: 2
? Pages: 139-148
? Authors: Cosulich G.; Firpo P.; Savio S.
? Source Id: 94140
? Author Ids: 6603166019;6602760106;7004161333
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Cosulich G.

44.

? Title: Power electronics reliability impact on service dependability for railway systems: a real case study
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 1996
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 15
? Scopus ID: 2-s2.0-0029773070
? Volume: 2
? Pages: 996-1001
? Authors: Cosulich Giovanni; Firpo Pierluigi; Savio Stefano
? Source Id: 85690
? Author Ids: 6603166019;6602760106;7004161333
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Cosulich G.

45.

? Title: Computer modelling and simulation for high speed railway applications
? Venue: Proceedings of the International Conference on Applications of Advanced Technologies in Transportation Engineering
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0029754283
? Pages: 54-58
? Authors: Ianniello C.; Savio S.; Sciutto G.
? Source Id: 57584
? Author Ids: 6602807806;7004161333;7003892246
? Authoraffiliationids: 60212274;60212274;60212274
? Corresponding: Ianniello C.

46.

? Title: Role of Petri nets modelling in the safety assessment process for guided transport systems
? Venue: Proceedings of the International Conference on Applications of Advanced Technologies in Transportation Engineering
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0029734257
? Pages: 558-562
? Authors: Cosulich G.; Firpo P.; Savio S.; Sciutto G.
? Source Id: 57584
? Author Ids: 6603166019;6602760106;7004161333;7003892246
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Cosulich G.

47.

? Title: RAM requirements optimal apportionment in guided transport systems
? Venue: Proceedings of the International Conference on Software for Electrical Engineering Analysis and Design Electrosoft
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0029708043
? Pages: 483-490
? Authors: Cosulich G.; Firpo P.; Savio S.
? Source Id: 10300153335
? Author Ids: 6603166019;6602760106;7004161333

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Cosulich G.

48.

? Title: Optimized train running curve for electrical energy saving in autotransformer supplied AC railway systems

? Venue: IEE Conference Publication

? Year: 1995

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 14

? DOI: 10.1049/cp:19950174

? Scopus ID: 2-s2.0-0029217623

? Issn: 05379989

? Issue: 405

? Pages: 23-27

? Authors: Firpo P.; Savio S.

? Source Id: 34914

? Author Ids: 6602760106;7004161333

? Authoraffiliationids: 60025153;60025153

? Corresponding: Firpo P.

49.

? Title: Locomotive drive harmonic pollution in AC traction systems

? Venue: IEEE International Symposium on Industrial Electronics

? Year: 1993

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Isie.1993.268733

? Scopus ID: 2-s2.0-84884318890

? Pages: 622-628

? Authors: Firpo P.; Fracchia M.; Savio S.

? Source Id: 85690

? Author Ids: 6602760106;7004022170;7004161333

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Firpo P.

50.

? Title: Audio Frequency Signalling Compatibility Of Chopper-Fed Dc Motor Drives In Underground Railway Systems.

? Venue: 9th International Zurich Symposium and Technical Exhibition on Electromagnetic Compatibility EMC 1991

? Year: 1991

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.23919/Emc.1991.10781046

? Scopus ID: 2-s2.0-85215504321

? Pages: 667-672

? Authors: Cesario P.; Dapelo M.; Romano P.; Savio S.; Sciutto G.

? Source Id: 21101270293

? Author Ids: 7801585159;59521024400;59514314200;7004161333;7003892246

? Authoraffiliationids: 60028868;60073836;60073836;60025153;60025153

? Corresponding: Cesario P.

51.

? Title: New Pwm Control System For Ups Using Hysteresis Comparator.

? Venue: Conference Record IAS Annual Meeting IEEE Industry Applications Society
? Year: 1987
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Scopus ID: 2-s2.0-0023577863
? Issn: 01972618
? Pages: 749-754
? Authors: Carpita M.; Mazzucchelli M.; Savio S.; Sciutto G.
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 312, percentile 23)
? Electrical and Electronic Engineering (Q4, rank 804, percentile 19)
? Control and Systems Engineering (Q4, rank 332, percentile 12)
? Source Id: 17898
? Author Ids: 6603270189;15623683200;7004161333;7003892246
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Carpita M.

52.

? Title: Digital Simulation Of Ups Using Emtp General Purpose Program.
? Venue: Proceedings of the Annual International PCI Conference Power Conversion International
? Year: 1986
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0022902384
? Pages: 85-92
? Authors: Cesario P.; Mazzucchelli M.; Odone A.; Puglisi L.; Savio S.
? Source Id: 58906
? Author Ids: 7801585159;15623683200;6602241004;7006443886;7004161333
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Cesario P.