

DELLA GIOVANNA LAURA

Overview

? Unit: ELE
? Role: Ricercatore
? Grade: Ricercatore t.d. art. 24 c. 3 lett. A Legge 240/10 (t.pieno)
? SSD: IIND-08/A (Convertitori, macchine e azionamenti elettrici)
? Scopus ID: 55515720400
? Unige Id: 294042
? Retrieved at: 2025-11-14T15:14:50.788733

Contact

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? Page: <https://rubrica.unige.it/personale/V0pDW15r>
? Locations: Opera Pia - padiglione D (ED161450401), 1° piano, US161450401.I.023

Career

? Ar, 2015-01-02 ? 2016-05-01
? Rd, 2023-06-01 ? 2026-05-31

Teaching

2025

? Costruzione E Diagnostica Dei Componenti Elettromeccanici (86833), Lm-28 - Ingegneria Elettrica
? Electric Machines And Maintenance (101140), L-28 - Maritime Science And Technology

2024

? Costruzione E Diagnostica Dei Componenti Elettromeccanici (86833), Lm-28 - Ingegneria Elettrica
? Electric Machines And Maintenance (101140), L-28 - Maritime Science And Technology

2023

? Costruzione E Diagnostica Dei Componenti Elettromeccanici (86833), Lm-28 - Ingegneria Elettrica
? Electric Machines And Maintenance (101140), L-28 - Maritime Science And Technology

Scopus Metrics

? absolute; Docs: 22; Journals: 4; Conferences: 18; Citations: 60; H-index: 4
? 15 years (2010-2025); Docs: 22; Journals: 4; Conferences: 18; Citations: 60; H-index: 4
? 10 years (2015-2025); Docs: 13; Journals: 4; Conferences: 9; Citations: 33; H-index: 4
? 05 years (2020-2025); Docs: 7; Journals: 3; Conferences: 4; Citations: 2; H-index: 1

Scopus Products

1.
? Title: Partial Discharge Inception Voltage Monitoring of Enameled Wires under Thermal Stress over Time
? Venue: Energies
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.3390/en17184578
? Scopus ID: 2-s2.0-85204938095
? eISSN: 19961073

? Volume: 17
? Issue: 18
? Authors: Khan Ishtiaq; Guastavino Francesco; Della Giovanna Laura; Torello Eugenia
? Keywords: electrical aging | electrical insulation | nano-filler enamel | partial discharge inception voltage
? 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: 58900081000;7006692709;55515720400;6701506640
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Khan I.

2.

? Title: Effects of a DC Offset on Lifetime and PD Activity during AC Aging Tests on Enameled Twisted Pairs
? Venue: IEEE Transactions on Dielectrics and Electrical Insulation
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Tdei.2024.3353704
? Scopus ID: 2-s2.0-85182944471
? Issn: 10709878
? eISSN: 15584135
? Volume: 31
? Issue: 3
? Pages: 1533-1540
? Authors: Guastavino F.; Giovanna L. Della; Gallesi F.; Torello E.
? Keywords: Aging | electrical insulation | HVdc | lifetime estimation | partial discharges (PDs) | wire
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 204, percentile 79)
2024:
? Electrical and Electronic Engineering (Q1, rank 219, percentile 77)
? Source Id: 17343
? Author Ids: 7006692709;55515720400;57215699439;6701506640
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Guastavino F.

3.

? Title: Transient Earth Voltage Sensor Measurements as a Nonintrusive Tool for Partial Discharge Analysis in Switchgears
? Venue: IEEE Transactions on Dielectrics and Electrical Insulation
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1109/Tdei.2024.3470755
? Scopus ID: 2-s2.0-85205935562
? Issn: 10709878
? eISSN: 15584135
? Volume: 31
? Issue: 6
? Pages: 2930-2937
? Authors: Guastavino F.; Giovanna L. Della; Gallesi F.; Torello E.
? Keywords: Partial discharge (PD) measurement | PDs | switchgear | transient earth voltage (TEV) sensor
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 204, percentile 79)
2024:
? Electrical and Electronic Engineering (Q1, rank 219, percentile 77)
? Source Id: 17343
? Author Ids: 7006692709;55515720400;57215699439;6701506640
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Guastavino F.

4.

? Title: HVDC Defect Identification: Partial Discharges Signal Acquisition and Machine Learning Classification
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena CEIDP
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ceidp61745.2024.10907670
? Scopus ID: 2-s2.0-105000458328
? Issn: 00849162
? Authors: Guastavino F.; Khan I. A.; Torello E.; Raza M. H.; Della Giovanna L.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
2024:
? Electrical and Electronic Engineering (Q3, rank 705, percentile 27)
? Electronic, Optical and Magnetic Materials (Q4, rank 247, percentile 19)
? Source Id: 18789
? Author Ids: 7006692709;58900081000;6701506640;59699742400;55515720400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Guastavino F.

5.

? Title: A Comparative Study of Conducted and Irradiated Signals for PD Pattern Recognition
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena

CEIDP

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ceidp61745.2024.10907291

? Scopus ID: 2-s2.0-105000374004

? Issn: 00849162

? Authors: Guastavino F.; Della Giovanna L.; Khan I. A.; Raza M. H.; Torello E.

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)

? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)

2024:

? Electrical and Electronic Engineering (Q3, rank 705, percentile 27)

? Electronic, Optical and Magnetic Materials (Q4, rank 247, percentile 19)

? Source Id: 18789

? Author Ids: 7006692709;55515720400;58900081000;59699742400;6701506640

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

? Corresponding: Guastavino F.

6.

? Title: Partial Discharge Measurement to Predict the Lifetime of High Frequency High Voltage Transformers

? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena

CEIDP

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ceidp51414.2023.10410556

? Scopus ID: 2-s2.0-85185712546

? Issn: 00849162

? Authors: Guastavino F.; Giovanna L. Della; Galbiati S.; Massa B.; Torello E.

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)

? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)

? Source Id: 18789

? Author Ids: 7006692709;55515720400;58046226700;58046075700;6701506640

? Authoraffiliationids: 60025153;60025153;60305174;60305174;60025153

? Corresponding: Guastavino F.

7.

? Title: Study of the Partial Discharge Inception Voltage Variation over Time on Enameled Wires Subjected to Thermal-Electrical Stress

? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena

CEIDP

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Ceidp51414.2023.10410540

? Scopus ID: 2-s2.0-85185705807

? Issn: 00849162

? Authors: Guastavino F.; Torello E.; Giovanna L. Della; Khan I.

? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
? Source Id: 18789
? Author Ids: 7006692709;6701506640;55515720400;58900081000
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Guastavino F.

8.

? Title: Electrical treeing in nanocomposite based on LDPE/EVA blends
? Venue: IEEE Transactions on Dielectrics and Electrical Insulation
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1109/Tdei.2019.008000
? Scopus ID: 2-s2.0-85070468747
? Issn: 10709878
? eISSN: 15584135
? Volume: 26
? Issue: 4
? Pages: 1287-1292
? Authors: Giovanna L. Della; Guastavino F.; Torello E.; Hoyos M.; Tiemblo P.
? Keywords: accelerated aging | dielectrics materials | electrical treeing | nanocomposites materials | partial discharges
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 204, percentile 79)
2019:
? Electrical and Electronic Engineering (Q1, rank 119, percentile 82)
? Source Id: 17343
? Author Ids: 55515720400;7006692709;6701506640;23018428300;7004068140
? Authoraffiliationids: 60025153;60025153;60025153;60028902;60028902
? Corresponding: Giovanna L.D.

9.

? Title: PD evolution of conventional and corona resistant enamels
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena CEIDP
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Ceidp.2016.7785686
? Scopus ID: 2-s2.0-85009743229
? Issn: 00849162
? Volume: 2016-December
? Pages: 259-262
? Authors: Guastavino F.; Cordano D.; Torello E.; Della Giovanna L.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
? Source Id: 18789
? Author Ids: 7006692709;56716555600;6701506640;55515720400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Guastavino F.

10.

? Title: Surface PD evolution of conventional and nanocomposite enamels

? Venue: Proceedings of the 2016 IEEE International Conference on Dielectrics Icd 2016

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1109/Icd.2016.7547727

? Scopus ID: 2-s2.0-84988359634

? Volume: 2

? Pages: 760-763

? Authors: Guastavino F.; Torello E.; Cordano D.; Giovanna L. Della

? Keywords: electrical aging | electrical insulation | enamel insulated wires | partial discharges | PWM

? Source Id: 21100779040

? Author Ids: 7006692709;6701506640;56716555600;55515720400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Guastavino F.

11.

? Title: Aging tests on type i insulating systems applying pulsed waveform

? Venue: Proceedings of the 2016 IEEE International Conference on Dielectrics Icd 2016

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Icd.2016.7547665

? Scopus ID: 2-s2.0-84987899022

? Volume: 1

? Pages: 556-560

? Authors: Guastavino F.; Cordano D.; Torello E.; Giovanna L. Della

? Source Id: 21100779040

? Author Ids: 7006692709;56716555600;6701506640;55515720400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Guastavino F.

12.

? Title: Electrical treeing characterisation of nanocomposite blends

? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena CEIDP

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/Ceidp.2015.7352124

? Scopus ID: 2-s2.0-84959573817

? Issn: 00849162

? Volume: 2015-December

? Pages: 816-819

? Authors: Guastavino F.; Della Giovanna Leoncini; Torello E.; Hoyos M.; Magro P. Tiemblo

? Keywords: electrical treeing | nanocomposite | partial discharges

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
? Source Id: 18789
? Author Ids: 7006692709;55515720400;6701506640;23018428300;56191541800
? Authoraffiliationids: 60025153;60025153;60025153;60028902;60028902
? Corresponding: Guastavino F.

13.

? Title: Electrical aging tests on nanocomposite polymer blends based on LDPE
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena CEIDP
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Ceidp.2015.7352136
? Scopus ID: 2-s2.0-84959526890
? Issn: 00849162
? Volume: 2015-December
? Pages: 812-815
? Authors: Guastavino F.; Giovanna L. Della; Torello E.; Garcia N.; Magro P. Tiemblo
? Keywords: aging | LDPE | nanocomposite | polyolefins
? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
? Source Id: 18789
? Author Ids: 7006692709;55515720400;6701506640;57219718610;56191541800
? Authoraffiliationids: 60025153;60025153;60025153;60028902;60028902
? Corresponding: Guastavino F.

14.

? Title: Electrical treeing in LDPE-EVA blend based nanocomposites
? Venue: 2014 IEEE Conference on Electrical Insulation and Dielectric Phenomena CEIDP 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Ceidp.2014.6995879
? Scopus ID: 2-s2.0-84936818582
? Pages: 780-783
? Authors: Guastavino F.; Della Giovanna L.; Torello E.; Hoyos M.; Tiemblo Magro P.
? Source Id: 21100398486
? Author Ids: 7006692709;55515720400;6701506640;23018428300;56716343400
? Authoraffiliationids: 60025153;60025153;60025153;60028902;60028902
? Corresponding: Guastavino F.

15.

? Title: LDPE/EVA nanocomposite lifetime studies
? Venue: 2014 IEEE Conference on Electrical Insulation and Dielectric Phenomena CEIDP 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Ceidp.2014.6995736

? Scopus ID: 2-s2.0-84936817494
? Pages: 784-787
? Authors: Guastavino F.; Della Giovanna L.; Torello E.; Garcia N.; Tiemblo Magro P.
? Source Id: 21100398486
? Author Ids: 7006692709;55515720400;6701506640;57219718610;56716343400
? Authoraffiliationids: 60025153;60025153;60025153;60028902;60028902
? Corresponding: Guastavino F.

16.

? Title: Electrical ageing test on random wire wound stator insulation applying voltage pulses
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena CEIDP
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Ceidp.2013.6748225
? Scopus ID: 2-s2.0-84901743736
? Issn: 00849162
? Pages: 206-209
? Authors: Guastavino F.; Porcile F.; Ratto A.; Della Giovanna L.; Secondo G.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
? Source Id: 18789
? Author Ids: 7006692709;55549244400;36941984700;55515720400;6603592830
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60102057
? Corresponding: Guastavino F.

17.

? Title: Electrical behavior of nanocomposites based on LDPE-EVA blend
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena CEIDP
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Ceidp.2013.6748263
? Scopus ID: 2-s2.0-84901741724
? Issn: 00849162
? Pages: 788-791
? Authors: Guastavino F.; Della Giovanna L.; Porcile F.; Torello E.; Magro P. Tiemblo; Nuñez M. Hoyos
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
? Source Id: 18789
? Author Ids: 7006692709;55515720400;55549244400;6701506640;56191541800;56191549200
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60028902;60028902
? Corresponding: Guastavino F.

18.

? Title: Processing LDPE-EVA blend with montmorillonite and silica nanoparticles
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena

CEIDP

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1109/Ceidp.2013.6748289

? Scopus ID: 2-s2.0-84901741338

? Issn: 00849162

? Pages: 547-550

? Authors: Guastavino F.; Della Giovanna L.; Ratto A.; Torello E.; Magro P. Tiemblo; Garcia N. Garcia

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)

? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)

? Source Id: 18789

? Author Ids: 7006692709;55515720400;36941984700;6701506640;56191541800;57219718610

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60028902;60028902

? Corresponding: Guastavino F.

19.

? Title: Partial discharges measurements on conventional and nanocomposite enameled wires varying the ambient conditions

? Venue: Proceedings of IEEE International Conference on Solid Dielectrics Icsd

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Icsd.2013.6619755

? Scopus ID: 2-s2.0-84891606929

? Issn: 15535282

? eISSN: 21591687

? Pages: 298-301

? Authors: Guastavino F.; Ratto A.; Torello E.; Della Giovanna L.; Biondi G.; Loggi G.

? Keywords: electrical aging | insulating enamels | nanocomposite material | partial discharges

? Source Id: 21100278102

? Author Ids: 7006692709;36941984700;6701506640;55515720400;24398197000;54393619900

? Authoraffiliationids: 60025153;60025153;60025153;60025153;105887890;105887890

? Corresponding: Guastavino F.

20.

? Title: Surface partial discharges aging on thin polymeric nanocomposite films

? Venue: Proceedings 2012 20th International Conference on Electrical Machines ICEM 2012

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.1109/ICEIMach.2012.6350131

? Scopus ID: 2-s2.0-84870779959

? Pages: 1836-1840

? Authors: Guastavino F.; Ratto A.; Della Giovanna L.; G mez-Elvira J. M.; Garcia N.

? Keywords: accelerate aging | insulation | nanocomposites | partial discharges | surface discharges | syndiotactic polypropylene

? Source Id: 21100223114

? Author Ids: 7006692709;36941984700;55515720400;6701642152;57219718610
? Authoraffiliationids: 60025153;60025153;60025153;60028902;60028902
? Corresponding: Guastavino F.

21.

? Title: Electrical aging tests on conventional and nanocomposite enamelled wires
varying both the relative humidity and the applied voltage amplitude
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena
CEIDP
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Ceidp.2012.6378842
? Scopus ID: 2-s2.0-84872091760
? Issn: 00849162
? Pages: 561-564
? Authors: Guastavino F.; Della Giovanna L.; Porcile F.; Ratto A.; Torello E.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
? Source Id: 18789
? Author Ids: 7006692709;55515720400;55549244400;36941984700;6701506640
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Guastavino F.

22.

? Title: Syndiotactic polypropylene based nanocomposites: Short and long term
electrical characterisation
? Venue: Annual Report Conference on Electrical Insulation and Dielectric Phenomena
CEIDP
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Ceidp.2012.6378843
? Scopus ID: 2-s2.0-84872070531
? Issn: 00849162
? Pages: 565-568
? Authors: Guastavino F.; Ratto A.; Della Giovanna L.; Gómez-Elvira J. M.; García N.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 691, percentile 30)
? Electronic, Optical and Magnetic Materials (Q4, rank 238, percentile 23)
? Source Id: 18789
? Author Ids: 7006692709;36941984700;55515720400;6701642152;57219718610
? Authoraffiliationids: 60025153;60025153;60025153;60028902;60028902
? Corresponding: Guastavino F.