

CURRICULUM VITAE
DI MARIACRISTINA ROSCIA



ID orcid

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24081487500

EDUCATION AND TRAINING

PhD with scholarship or Doctorate of Research, obtained with the Judging Commission n. 76/2004 "Electrical Engineering (subsector: electrical systems)" presenting a final dissertation entitled: "Possible energy scenarios and sustainable development" at the University of Naples "Federico II", Via Claudio, 21, Naples, 80125 Italy.

The thesis activity concerned the production, transmission and distribution of electricity, from renewable sources in emerging countries, in particular Africa, and the electrical interconnection with Europe.

At the University of Naples Federico II, she obtained the qualification to practice the profession of engineer and, subsequently, registered in the Register of the Order of Engineers of the province of Salerno.

Degree in Electrical Engineering, obtained from the University of Naples "Federico II", Via Claudio, 21, Naples, 80125 Italy, presenting a thesis on the "Free Energy Market".

UNIVERSITY TEACHING ACTIVITIES

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| <ul style="list-style-type: none">• Date• Employer• Type of company• Title held
• Main duties and responsibility | <p>By 1 October 2019</p> <p><i>Università degli Studi di Bergamo 5, V. Marconi – I-24044 Bergamo, Italia</i></p> <p>University</p> <p>Associate Professor, competitive sector 09/E2 – electrical energy engineering, scientific-disciplinary sector ING-IND/33 – electrical systems for energy.</p> <p>Professor in charge of the courses:</p> <ul style="list-style-type: none">• Electrical systems for the course of study of "Building technology engineering" and for the course of study of "Mechanical engineering"; 6 credits.• Home automation-Smart City for the course of study of "Building construction engineering"; 6 credits.• Smart Electrical Infrastructure, proposed in English, for the course of study of "Mechatronic and Smart technology engineering" from 2019 to 2022; 4 credits.• Smart Grid year from 2022 to 2024, proposed in English, for the course of study of "Mechatronic and Smart technology engineering", from 2022 to 2024; 3 credits.• Smart Electrical Infrastructure, proposed in English, for the course of study of "Mechatronic and Smart technology engineering" from 2024; 3 credits. |
| <ul style="list-style-type: none">• Date• Employer• Type of ofipo di azienda o settore• Title held | <p>By 1 October 2006 to 30 September 2019</p> <p><i>Università degli Studi di Bergamo 5, V. Marconi – I-24044 Bergamo, Italia</i></p> <p>University</p> <p>Researcher, competitive sector 09/E2 – electrical energy engineering, scientific-</p> |

- Main duties and responsibility
 - Date By 2004 to 2015
 - Employer Politecnico di Milano, Piazza Leonardo da Vinci, 32 Milan, 20133 Italy
 - Type of company University
 - Title held Contract Professor
- Main duties and responsibility Lecturer in charge of the course:
 - Electrical systems for the course of study of “Engineering of technologies for construction” and for the course of study of “Mechanical engineering”; 6 credits.
 - Home automation-Smart City for the course of study of “Engineering of construction of buildings”, since 2013; 6 credits.
- Date By January 2006 to August 2006
- Employer LEAP (Energy and Environment Laboratory Piacenza-Politecnico di Milano)
- Type of company University
- Title held Scholarship holder for research activities
- Main duties and responsibility Researcher in the field of distribution and production of electricity from renewable sources.
- Date By 2003 to 2004
- Employer Politecnico di Milano, Piazza Leonardo da Vinci, 32 Milan, 20133 Italy
- Type of company University
- Title held Contract Professor
- Main duties and responsibility Lecturer in charge of the course:
- Date By 2001 to 2002
- Employer Politecnico di Milano, Piazza Leonardo da Vinci, 32 Milan, 20133 Italy
- Type of company University
- Title held Contract Professor
- Main duties and responsibility Cycles of lessons on the “Free Market of Electricity” and “Environmental Regulations” (V.I.A.; environmental management: EMAS, UNI 14000) within the university course of “Electrical Systems” for Mechanical students, academic year 2001/2002.
- Date By 1999 to 2001
- Employer University of Naples “Federico II”, Via Claudio, 21, Naples, 80125 Italy.
- Type of company University
- Title held Professor
- Main duties and responsibility Seminars on “Free Electricity Market” and “Environmental Regulation” (V.I.A.; environmental management: EMAS, UNI 14000) within the university course of “Reliability and diagnostics of electrical systems”.

ACTIVITIES CARRIED OUT IN OTHER FIELDS

- Member since 2024 of the Teaching Board of the PhD course in "Sustainable Technologies for Industrial and Construction Engineering" 40th cycle, at the University of Bergamo.
- 2019 Speech, title: “Smart Sustainable City” for the “New Businesses for Energy Transition” IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe) is sponsored by IEEE Power & Energy Society (PES) and University POLITEHNICA of Bucharest, Romania.
- 2016 Lecture (1 hour) for the Summer School on Energy “Giacomo Ciamician” University of Trieste, Department of Engineering and Architecture, on the topic of

Smart Cities, for graduates and PhD students.

□ 2014 Lecture (10 hours) at the University POLITEHNICA of Bucharest, Bucharest, Romania for Assistant Researchers and PhD students on: “Flicker propagation in distributed generation and future standards for flicker”

□ Academic Year 2011-2012, 2012-2013 module on Domotics, for the course “Qualifying for the profession of energy certifier of buildings”, Department of Engineering and Applied Sciences – University of Bergamo 5, V. Marconi – I-24044 Bergamo, Italy.

□ Academic Year 2012-2013 within the training project “Development of technologies to increase safety and efficiency in the railway system” annexed to the industrial research project PON01_00142 called “Innovative technologies for the SAFETY of the circulation of railway vehicles (SICURFER)” co-financed under the call D.D. Prot n.1/Ric of 18. 01.2010 of the MIUR PON Research and Competitiveness 2007-2013, On-Board Systems module.

□ A.a.2005- 2006 within the training project “IFTS Course, Integrated Automation Technician”- with the following 3 modules: “Safety”, “Logistics” and “Automation”, Fiorenzuola (Piacenza).

□ A.a. 2002/2003 within the Training Project “IFTS Course, Integrated Automation Technician” - Subproject 12 and 1, with the subject “Safety”, Piacenza.

□ Academic Year 2002/2003 within the Training Project “IFTS Course, Integrated Automation Technician” - Subproject 14 and 1, with the subject “Logistics and Industrial Automation”, Fiorenzuola (Piacenza).

□ Academic Year 2000/2001 within the Training Project: “IFTS Course N.15-TM Logistics, maintenance and safety: management of goods transport, with the subject “Transport Information Technology and Telematics”, Milan.

□ Academic Year 2000/2001 within the scope of the Training Project: “Training of Managers and Executives for the Management of Environmental Water Infrastructures in Southern Italy Law 64/86 – Organic Action 2, Funding M.U.R.S.T.; South-East Convention - M.U.R.S.T. n° 23996 of 23.07.97; Co-financing F.S.E. – P.O. 1994/99 “Research, Technological Development and Higher Education”, on Environmental Regulations” (V.I.A.; environmental management: EMAS, UNI 14000), Bari.

NATIONAL QUALIFICATIONS

NOTICE D.D. 1532/2016 COMPETITION SECTOR 09/E2
ELECTRICAL ENERGY ENGINEERING

Qualification for the academic position of Professor of II level - Competition sector 09/E2, first four months 2017, valid from 31/03/2017 to 31/03/2013, (art. 16, paragraph 1, Law 240/10) with the following collegial judgment:

“In light of the above assessments and after in-depth examination of the scientific profile of the candidate, the commission unanimously believes that the same has overall qualifications and publications such as to demonstrate a recognized position in the research panorama as emerges from the excellent results of the research in terms of quality and originality for the competition sector with respect to the scientific topics addressed. Consequently, it is believed that the candidate has the scientific maturity required for the functions of second level professor in the competitive sector 09/E2.”

Each individual member of the Evaluation Commission expressed the following evaluation judgment: Excellent.

RESEARCH ACTIVITIES

The main fields of research are electrical systems for transport [3, 22, 23, 25, 45, 50, 60, 67, 68, 71, 72] and electrical distribution networks in the presence of distributed generation, especially from renewable sources [10, 12, 13, 14, 17, 26, 30, 31, 61, 62, 63, 65, 66, 73, 74, 77], dealing in particular with planning and Power Quality issues [9, 16, 19, 20, 39, 43, 46, 48, 54, 57, 59, 64, 75].

In recent years I have studied issues related to the development and implementation of Smart Cities [1, 4, 6, 11, 21, 24, 28, 29, 33, 34, 35, 40, 41, 47, 49, 53], also through the control and management of energy flows in Smart Grids (and/or Nano Grids) [2, 8, 18, 50, 51, 52, 56, 58] and Smart Appliances, including Home Automation and Building

Automation and Smart mobility.

Specifically, models for the control and optimization of systems, implementable and replicable, have been studied, which allow to obtain management strategies, which also respond to the new energy market (Blockchain) [15, 32, 76], through Prosumer Side Management. Jointly considered and integrated were the systems related to electric mobility [7, 22, 23, 27, 38, 45], intelligent lighting also through the concepts of sustainability [5, 36, 37, 44, 55, 69, 70] and electrified transport systems [3, 25, 42, 60, 71, 72]

My research activity has also found development and implementation in practical applications, both in the realization of pilot projects related to the creation of a smart city, and in the drafting of the PAES (Sustainable Energy Action Plan), for the municipality of Naples, and in the participation in the CDP (formerly Carbon Disclosure Project) global platform for cities to measure, manage and disclose their environmental data, for risk management, promote disclosure, insights and actions towards a sustainable economy.

Further research activity, for projects carried out, at other university departments:

- at the Department of Electrical Engineering of the Polytechnic of Milan, with the contribution of the Cariplo Foundation, concerning the study for Exposure to Electromagnetic Fields in the workplace;
- at the Department of Electrical Engineering of the University of Naples "Federico II", for the STREAM rail traction systems, Ansaldo and the evaluation of the Electrical Risk Analysis in the operation of hospital facilities.

AWARDS RECEIVED FOR RESEARCH ACTIVITY

□ Award for the BOOK OF THE YEAR- Asociația Română pentru Smart City- 6 edition for the book: "Holistic Approach for Decision Making Towards Designing Smart Cities" Springer edition 2021

□ Best Paper Award 2024 for the work: "Smart Modular Approach Models to improve the rating of Energy Performance Certificate of Residential Buildings" Mariacristina Roscia, Giuliana Foti, Catalina A Sima Lazaroiu

□ Best Poster Award 2018 for the Paper: Lazaroiu, C., Roscia, M. "RESCoin to improve Prosumer Side Management into Smart City" 7th International IEEE Conference on Renewable Energy Research and Applications, IEEE 2018.

□ "Think Smart Awards 2017" Award within the Elettricità exhibition- Bergamo Italy 2017, for the home automation projects that were carried out by the students of the course Home automation-Smart housing, tutor prof. M.Roscia.

□ Best Poster Award 2014 for the Paper: Longo M. Roscia M. Lazaoriu G.C. Pagano M. "Analysis of Sustainable and Competitive Energy System" 3rd International Conference on Renewable Energy Research and Applications, IEEE, Milwaukee, USA 2014. □ The following work: Bertola A.; Lazaroiu, G.C.; Roscia, M.; Zaninelli, D.; "A MATLAB®-Simulink® flickermeter model for power quality studies", IEEE® PES 11th International Conference on Harmonics and Quality of Power, September 2004, Lake Placid, USA has been used as a reference for the detailed description of the standard block diagram in MATlab eSimulink, according to the International standard IEC 6100-4-15

□ The following work: Golovanov, N., G.C. Lazaroiu, M. Roscia, D. Zaninelli, Power quality impact of high capacity end users, in Proc. 13th International Conference on Harmonics and Quality of Power (ICHQP 2008), 28 September–1 October, 2008, Wollongong, Australia, art. no. 4668853, pp. 645–649, was used as a reference for IEEE Recommended Practice for the Analysis of Fluctuating Installations on Power Systems IEEE Std 1453™-2015.

REVIEWER E CHAIR

- Speaker of more than 100 theses
- CHAIR for the IEEE international conference "IcSmartGrid" 2024, 27-29 May 2024 Setubal Portugal
- Member of TECHNICAL Chair Committee for MEDITERRANEAN SMART CITIES CONFERENCE (MSCC 2024) "Unlocking the Future of Resilient Sustainable Urban Living" May 2 - 4, 2024 Martil - Tetouan, Morocco

- EDITOR of the book “Energy Transition Holistic Impact Challenge (ETHIC): A New Environmental and Climatic Era”, SPRINGER edition 2024, already available in the Harvard University bookstore.
- TECHNICAL program CHAIR for ISC2 2023 9th International conference Smart Cities, IEEE, Bucharest, 24-27 September, Romania
- GUEST EDITOR for the Special Issue “Advances and New Approaches in Smart Sustainable Urbanism 2022- Impact factor 3.3
- Chair for the IEEE international conference (for tutorials and sessions) ICRERA 2022, September 18-22 Istanbul Turkey.
- EDITOR of the book: “Holistic Approach for decision Making Towards Designing Smart Cities” SPRINGER 2021 edition and co-author of the following chapters:
 - Smart Citizens for Realizing Smarter Cities
 - Blockchain and Smart Charging Infrastructure of Electric Vehicles
 - Smart Mobility in Africa
- GUEST EDITOR for the Special Issue “Smart Infrastructure for Sustainable Energy and Mobility”, Journal of Energy and Power Technology-2021
- GUEST EDITOR for the Journal INABILITY “Smart City and Communities Roadmap”, 2021 Open Access Journal by MDPI, Impact factor 3.3
- GUEST EDITOR for the Special Issue "Smart Building, Smart Cities, Home Automation and IoT" journal Energies MDPI – 2020 Impact factor 3.2
- TECHNICAL program CHAIR for ISGT Europe 2019 – New Businesses for Energy Transition, conference IEEE(with Prof. Virgil Dumbrava)
- Member of the Universities and research Centers Liaison Chair and CHAIR for Powertech 2019
- Member of the Scientific international committee and CHAIR in CIEM, International Conference on Energy and Environment 2017 and 2019.
- JUDGE for “Best Conference Papers on Distribution Systems, Microgrids, and Renewables” 2019 PES General Meeting, IEEE 4-8 August 2019 Atlanta USA
- Member TECHNICAL Program CHAIRS for IEEE PES Smart Grid Technologies Europe, Bucharest Romania, 2019.
- Member of the Board of Reviewers for the ICHQP-IEEE since 2002 and CHAIR in 2015, 2017.
- CHAIR for IEEE ICRERA 2017 International Conference on Renewable Energy Research and Applications, San Diego ICRERA 2017.
- Member of the Board of Reviewers at Power Tech-IEEE 2017 and 2009.
- CHAIR for IEEE ICRERA 2016 International Conference on Renewable Energy Research and Applications, Birmingham ICRERA 2016
- ORGANIZER and CHAIR of Special Session on SMART CITIES, for the IEEE ICRERA 2015 International Conference on Renewable Energy Research and Applications, Palermo, Italy.
- CHAIR, member of the Technical Program Committee and Board of Reviewers for the papers submitted at the ICSET-IEEE 2010 and 2008
- Member of the Technical committee 1st IEEE International Conference on Sustainable Energy Technologies and Systems IEEE-ICSETS 2019
- Member of the International Advisory Committee POWERTECH 2017.
- Member of the Board of reviewers for IEEE PES General Meeting 2014 and 2010.
- Member of the International Program Committee Members: 9th W SEAS International Conference on Electric Power Systems, High Voltages, Electric Machines, Genoa Italy, (2009).
- CHAIR for the session “Energy Distribution” and member of the Technical Program Committee and Board of Reviewers for the ICSET 2008, 24-27 Nov, Singapore.
- Member of the Promoting and Organizing Committee of the AEIT National Conference, organized in collaboration with the Department of Electrical Engineering of Naples, Capri 16-20 September 2006.
- Member of the Organizing Committee of the International Conference

“Sustainable Development between Justice and Freedom”, organized by the Department of Electrical Engineering of Naples, MEDIEL fair, Naples 7-9 May 2004.

- Member of the Scientific Committee of MEPS’02, International Conference on Modern Electric Power Systems, conference held from 11-13 September 2002 at the Wroclaw University of Technology, Wroclaw, Poland.
- Member of the Organizing Committee of the three-day study on Domotics and Sustainable Development, organized by the Department of Electrical Engineering of Naples, MEDIEL, Naples, 10 - 12 May 2002
- Member of the Promoting and Organizing Committee of the International Conference “Electric Power Engineering at the beginning of the Third Millennium”, organized by the Department of Electrical Engineering of Naples and held in Naples and Capri from 12 to 18 May 2000.
- Member of the Organizing Committee of a seminar on the topic: Sustainable mobility: the electric vehicle from power supply to technology, organized in December 2000, in collaboration with AEI and TreniItalia.
- Peer- reviewer for research projects presented in Georgia: The Shota Rustaveli National Science Foundation’s (SRNSF) since 2011 and peer-reviewer for the Georgia National Science Foundation

Reviewer for the following international journals:

- *Applied Energy* (since 2018) ELSEVIER
- *Telematics and Informatic* (since 2018) ELSEVIER
- *Applsci* (since 2017) MDPI
- *IJGI* (since 2017) MDPI
- *JSAN* (since 2017) MDPI
- *Energy Strategies* (since 2017) ELSEVIER
- *Environmental Sustainability* (since 2017) ELSEVIER
- *Transactions on Industrial Informatics Journal, IEEE* (since 2016)
- *Solar Energy* (since 2016) ELSEVIER
- *IJPES International Journal of Electrical Power and Energy Systems* (since 2016) ELSEVIER
- *Simulation Modelling Practice and Theory* (since 2016) ELSEVIER
- *Transportation Research part A* (since 2016) ELSEVIER
- *Cleaner Production* (since 2015) ELSEVIER
- *Energy Conversion and Management* (2015) ELSEVIER
- *Energies* (since 2015) MDPI
- *Entropy* (since 2015) MDPI
- *Information* (since 2015) MDPI
- *International Journal of Geo-Information* (since 2015) MDPI
- *Resources* (since 2015) MDPI
- *Sensors* (since 2015) MDPI
- *SPRS* (since 2015) MDPI
- *Sustainability* (since 2015) MDPI
- *The journal "Electronics and Electrical Engineering"*, Kaunas University of Technology, Lithuania (since 2013).
- *Cities* (since 2013) ELSEVIER
- *The International Journal of Emerging Electric Power Systems, Berkeley Electronic Press* (2009).
- *Energy* (since 2009) ELSEVIER

**VISITING
PROFESSOR/RESEARCHER**

- ✓ 2022 at Gazi University Faculty of Engineering Department of Electrical-Electronics Engineering ANKARA (Turkey)
- ✓ 2017 at Ryerson University Centre of Urban Energy, Toronto, Canada
- ✓ 2014 at POLITEHNICA University of Bucharest, Bucharest, Romania

**SCIENTIFIC
RESPONSIBILITIES**

Scientific manager for research, consultancy or representation contracts on behalf of the Department of Engineering and Applied Sciences (DISA), University of Bergamo:

- Since 2023 University Representative and Section Manager for the Research Unit of the University of Bergamo, for ENSIEL - National Interuniversity Consortium "Energy and Electrical Systems".
- By 2020 to 2022 research activity (as a collaborator and not as scientific manager)

within the project “SCC Innovation Hub & Living Lab Network on Artificial Intelligence for Smart & Connected Cities” - SCC Innovation Hub & Living Lab Network “POR FESR 2014-2020, funded by the Lombardy region, scientific manager prof. Compare, Faculty of Psychology. It is a research project that aims to create a physical and digital ecosystem, Innovation Hub, for the collection of large amounts of data and the development of algorithms aimed at implementing solutions and services for the quality of life of citizens in the cities of the future. The project, recognized by the Lombardy Region as a project of excellence within the Call Hub Research and Innovation call, is coordinated by MediaClinics and had as partners Santer Reply, University of Bergamo, Italtel, Comftech, Marlegno, Orobix, Aries More, and also involves Cluster Smart Cities and Communities and Talent4Rise (Fondazione Triulza).

- By 2019 to 2020 “Scientific Manager” for research grant and member of the judging committee for the public selection by qualifications and interview for the awarding of n. 1 Early stage grant of 12 months for the performance of research activities pursuant to art. 22 of law n. 240/2010 at the Department of Engineering and Applied Sciences (SC 09/E2 – Electrical Energy Engineering - SSD ING-IND/33 - Electrical Systems for Energy) type B PICA Code: 19AR001
- Since 2019 Scientific Manager for the University of Bergamo, as scientific partner of KNX Italia.
- Since 2014 Representative of the research unit ING IND 33 of Bergamo, for the University Group of Electrical Systems for Energy (GUSEE), which promotes and coordinates the scientific and teaching activity related to the scientific disciplinary sector of Electrical Systems for Energy.
- By 2012 to 2013 Scientific Manager for the contract awarded by the Municipality of Naples for the rationalization and optimization of energy services purchased by the Municipality of Naples (and its participating companies), aimed at containing costs and reducing emissions, also through the production of energy from renewable sources, thus being able to implement possible corrective actions that could modify any incorrect choices during the work; - simultaneous formation of a unit, which supports the Energy Manager, (whose appointment is mandatory for all public and private entities operating in the industrial, civil, transport and tertiary sectors and who have exceeded the annual consumption thresholds established by Law no. 10/91) for the purpose of rationalizing and reducing the energy consumption of the municipality (and its participating companies), permitted by the current free electricity market; support for awareness and dissemination, relating to the sectors of environmental sustainability, mobility and renewable energy, through conferences and seminars. Support for the implementation and realization of pilot projects funded by MIUR in the field of Smart Cities and Communities; participation of the municipality of Naples in the SEAP (Sustainable Energy Action Plan), participation in the CDP (Carbon Disclosure Project).
- By 2010 to 2013 Scientific manager for the contract awarded by the Client: Commission for Testing of the C line, automatic, driverless metro.
- In 2008 Scientific manager for the contract awarded by the Client: Commission for Territory, Environment, Environmental Assets of the Senate of the Republic, on the issues of energy efficiency of buildings.
- In 2008 Scientific manager for the contract awarded by the Client: HT SpA, for the purposes of an experimental study for the development of a prototype of "thermal resistors for industrial heating with high intrinsic safety and reduced energy consumption".
- By 2006 to 2008 Scientific manager for the contract awarded by the Client: Commission for technical-administrative testing of the AV/AC line for the study of technological systems in the Novara-Milan section.
- In 2007 Scientific manager for the contract awarded by the Client: Commission for Territory, Environment, Environmental Assets of the Senate of the Republic, on the issues of energy saving and efficiency.

ASSIGNEMENTS

Since 2020, President of the Technical-Administrative Testing Commission for the supply of trains for operation on the RFI network and authorized for operation on the Ferrovie Nord network. Client Ferrovienord SpA, Contract Manager Trenord s.r.l. (formerly LeNord).

In 2018, technical consultancy assignment on behalf of Stadler Rail Management, to draft a CTP in the pending legal dispute between the Client and the Company NEWAG S.A. as well as against the Sicilian Region before the Regional Administrative Court for Sicily – Palermo (II SECTION – RG.1337/2016)

In 2010, Member of the Technical-Administrative Testing Commission, for the supply of 6 single-deck railway trains for airport connections, bidirectional with electric traction, approved for operation on the RFI network and authorized for operation on the Ferrovie Nord network. Client Ferrovienord SpA, Contract Manager Trenord s.r.l. (formerly LeNord).

By 2014 to 2019, sole tester for the supply of 2 single-deck, bidirectional, electric-driven, six-car trains, approved for operation on the RFI network and authorised for operation on the Ferrovie Nord network. Client Ferrovienord SpA, Contract Manager Trenord s.r.l. (formerly LeNord).

By 2009 to 2019, Member of the technical-administrative testing commission for "the construction of the entire route of a public transport system on its own track of the trolleybus type, with intermediate capacity, on the Eur – Tor de Cenci-Tor Pagnotta route, a system designed to reduce polluting emissions in inhabited areas, (Roma Metropolitane s.r.l.).

In 2009 I was appointed Member of the Awarding Commission for the evaluation of proposals for a tender for the supply of 11 bidirectional diesel-electric trains for the Milan-Molteno-Lecce line (Ferrovie Nord).

By 2008 to 2018 I was a Member of the Technical-Administrative Testing Commission during the works of the Pietralata Business District of Rome, construction of the local road system III section, mission structure of the Presidency of the Council of Ministers.

In 2008 CTU on behalf of the court of Varese for a blackout case, which occurred at the Varese Hospital.

With decree 231/2007 of 28 December 2007, appointment as Commissioner of the National VIA-VAS Commission (Commission for the Environmental Impact Assessment and for the Strategic Environmental Assessment of all projects subject to law) for the three-year period 2008-2011.

In 2007, Member by right, for the three-year period 2007-2010, of the Italian Electrotechnical Committee (CEI), appointed by the Ministry of the Environment and Protection of Land and Sea.

In 2007, I was appointed Member of the Awarding Commission for the evaluation of technical improvement proposals (for electrical systems, in particular for the production of low environmental impact energy) of the Swimming Pool in Valco San Paolo "Roma tre".

In 2007 I was appointed Member of the Awarding Commission for the evaluation of technical improvement proposals (in particular plants for production from renewable sources and for the reduction of emissions) produced by the companies participating in the tender for the "assignment of the construction of the "City of Science and Technology of Rome".

By 2006 to 2008, consultant for the "Environment, Territory and Environmental Assets Commission" of the Senate of the Republic, on the issues of sustainable energy and the reduction of environmental impact.

By 2004 to 2005, technical consultant for the Testing Commission for the New Fiera di Milano Rho-Pero, concerning the part of the electrical systems.

By 2003 to 2006, consultant for the commissioner delegated to the "Ministry of the Environment" for the purposes of reviewing the projects relating to scientific research "Terrestrial Environment", of the Ministry of University and Scientific and Technological Research MURST Cluster 11B.

By 2001 to 2002 I was the Promoter and Scientific Coordinator of the Young Researchers Project, funded by MURST (prot. n. 400/14.3.2001) to carry out research activities on "Innovative Technologies for Energy Saving: numerical and experimental applications of supercapacitors for electrical systems".

**LIST OF SCOPUS
SCIENTIFIC
PUBLICATIONS**

Scopus 114 documents
H-index 18,
1600 citations

Prof. PhD. Ing. Mariacristina Roscia

Bergamo, 28/08/2024