



Europass Curriculum Vitae



Personal information

Surname(s) / First name(s)

Nemes Ciprian Mircea

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Nationality

Romanian

Work experience

Period

02/2020 - present

02/2014 – 02/2020

10/2004 – 02/2014

02/2001 – 10/2014

10/1998 – 02/2001

Occupation or position held

Professor,
PhD Supervisor

Associate
Professor

Senior
lecturer

Assistant
Professor

Instructor

Name and address of employer

Faculty of Electrical Engineering, "Gheorghe Asachi" Technical University of Iasi, Romania
Dimitrie Mangeron Str., no 21-23, 700050 Iasi (Romania)

Main activities and responsibilities

Didactical activities in the field of power engineering with courses on *Electrical Power Stations and Substations; Generation, Transmission and Distribution of Electrical Energy; Power Systems Reliability*, and *Security and Reliability in Power Engineering* within the Bachelor degree programs, as well as the courses *Distributed Generation* and *Risk Management* within the Master degree programs. Didactical activities with practical applications and projects on *Electrical Part of Power Plants*.

Doctoral studies supervisor in Power Engineering in the Electrical Engineering Faculty (UTI no. 156 / 19.06.2019), currently having two PhD students that work in topics of integration of distributed generation into electric power systems, and on algorithm and models for adequacy assessment of autonomous systems with renewable sources, respectively. Member on the committees of doctoral research projects and reports for 8 doctoral students.

Coordinator of students in the scientific sessions for the students, of the bachelor's and master's final projects (over of 50 diploma projects and 40 dissertation projects), as well as of 10 projects developed in collaboration with foreign students involved in the ERASMUS program.

Scientific research activities, the main areas of interest cover the electric power reliability, adequacy assessment of power systems, power system planning based on risk assessment, the renewable energy sources operation and their planning, as well as the availability of autonomous systems supplied from hybrid systems with renewable sources.

Results of academic and scientific activities have been materialised by publishing, as first and co-author, on 11 books and manuals (from which 5 as first authors) and on 2 chapters in a specialized book. The scientific research activities have been materialized in more than 140 scientific papers, of which 45 WOS/ISI Thomson Reuters indexed papers, 55 published articles indexed in international databases (BDI indexed), as well as papers published in the volumes of national and international journals or conferences indexed in other databases.

These published papers are the results of the research activities developed in the frame of 9 national and international projects, from which 7 projects awarded through national competition (3 projects as project manager and 4 as member of the research team), as well as 2 international projects as member in the research team. Moreover, I was involved in 20 research contracts financed by industrial companies, from which 8 as project coordinator and in other 12 projects as research member.

The activities from last 5 years have been materialised through publication of 4 peer-reviewed and 15 conference papers, 1 grant patent, 2 textbooks as well as coordination of 2 research grants and 3 research contracts with industrial partners.

Education and training

Period	April 2019 - present
Title of qualification awarded	PhD Supervisor in <i>Power Engineering</i> (MEN no. 3813 / 01.04.2019).
Principal subjects/occupational skills covered	Habilitation Thesis: <i>Contributions on the availability assessment of power systems with a high level of renewable sources integration</i>
Period	March 2011 - February 2013
Title of qualification awarded	Postdoctoral researcher Research Field: "Integration of renewable energy sources in the power distribution systems". (Project PERFORM-ERA, ID 57649)
Principal subjects/occupational skills covered	Postdoctoral researcher in project financed by the European Social Fund and the Romanian Government having as main objective the integration of renewable energy (especially the wind and solar) sources in the power distribution systems. The main activities of project are the selection of suitable wind turbines and photovoltaic systems based on the environmental conditions and wind/solar resources associated to the placement's site, to establish the optimal layout of wind farm/photovoltaic system based on the primary resources availability and mutual interference between units, and also to evaluate the suitable solutions (architectures and equipment) in order to connect the wind farm/photovoltaic system to electrical power system. Scientific coordinator: Prof. PhD. Marcel Dumitru Istrate, Project funded by the POSDRU program and coordinated by the Scientific Prorectorate of "Gheorghe Asachi" Technical University of Iași.
Period	1999 - 2005
Title of qualification awarded	PhD Degree
Principal subjects/occupational skills covered	Thesis Title: " <i>Probabilistic approaches of the stress models associated to electrical power equipment</i> ". Coordinator: Prof. Dumitru Ivas, "Gheorghe Asachi" Technical University of Iași
Period	1993-1998/1998-1999
Title of qualification awarded	Bachelor of Science in Electrical Power Engineering and Master in Optimization of Electrical System.
Principal subjects/occupational skills covered	BSc and MSc Degrees
Research stages	
Period	October 24 – November 6, 2019
Principal subjects/Name of organisation providing education and training	Internship within the Project: PN-III-P3-3.1-PM-RO-CN-2018-0093 no. 15 / 02.07.2018–31.12.2019 School of Physics and Astronomy, Shanghai Jiao Tong University, China Project partner: Prof. Wenzhong Shen
Dates	July 1-9, 2018
Principal subjects/Name of organisation providing education and training	Staff mobility ERASMUS + (Staff Mobility for Teaching Program) at KIOS Research and Innovation Center of Excellence, University of Cyprus, Center coordinator: Prof. Elias Kyriakides.
Dates	June 6-15, 2017
Principal subjects/Name of organisation providing education and training	Staff mobility ERASMUS + (Staff Mobility for Teaching Program) at Politecnico di Torino, Italia. Coordinator: Prof. Gianfranco Chicco.
Dates	January 2012 - March 2012 and December 2012 - January 2013
Principal subjects/Name of organisation providing education and training	Research stages in Department of Electrical, Electronics and Systems Engineering, Faculty of Engineering, University of Catania, Italy, with research activities in "Laboratory for Renewable Hydrogen", Professor Giuseppe Marco Tina.
Dates	February 2002 - March 2002
Principal subjects/Name of organisation providing education and training	A research stage in the field of <i>Reliability of electrical equipment</i> at Delft University and Kema Laboratory, Holland. Supervisor Prof. Gerard Chr. Paap.
Dates	February 2000 - August 2000
Principal subjects/Name of organisation providing education and training	Training and research stage in the field of Reliability on electrical power system field at Saskatchewan University, Canada. Supervisor Prof. Roy Billinton.

Personal skills and competences

Mother tongue(s)

Other language(s)

Self-assessment

European level (*)

English

Italian

Romanian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(*) [Common European Framework of Reference for Languages](#)

Social skills, organizational skills and competences

Interpersonal communication skills: listening, clarity and concision, reflecting and clarification; presentation skills; personal skills. Planning, organizing, assigning/delegating, time management, initiative, analysis capacity, analytical spirit, team work, self-evaluation capacity, ability to work under stress, multi-tasking ability, self-esteem, motivation, goal setting, as results of involvement in various national/international research teams (China, Italy, Holland, Canada).

Postgraduate programs: Energy Management / Energy Audits. Collaboration with the Department of Studies, *electrical energy balances, audits and consulting - ETC*, carrying out specific actions in implementation of the complex energy balances (electricity and thermo-energy balances), energy audits, evaluation and identification of solutions to increase the efficiency of energy use, quality and safety in electricity supply.

Coordination of the activities of the research laboratory (Laboratory of Applied Research and Prototypes - LACARP) within the Department of Energy, Faculty of Electrical Engineering. Installations, supervision and control of energy facilities in terms of the safety of operation. Analysis of systems weaknesses and measures to eliminate it.

Computer skills and competences

Good competences in computer-aided modelling, simulation and design using various computing programs: Matlab-Simulink, EDSA Paladin Software, ETAP, LabVIEW, MEADEP, Statistics, SunDi, AutoCad, as well as web design skills (html css, php) and database operation (MS SQL).

Professional Affiliations

Invited by the European Commission Directorates - General Joint Research Center as expert member in the workshop on the topic of Future Emerging Technologies for Energy Supply, held at JRC-Ispra (VA), Italy, December 1, 2016. (Rector Order no. 2230 / 15.11.2016).

Plenary speaker/chairman on various international conferences and seminars in Electrical Engineering field such as: 35th International Conference on Fundamentals of Electrotechnics and Circuit Theory (35th IC-SPETO), Gliwice-Ustron, Poland, 23-26 may 2012 (OR no. 921/8.05.2012) - Plenary speaker; International Workshop on Deregulated Electricity Market Issues in South-Eastern Europe, September 2011, Bled, Slovenia; Second Regional Conference & Exhibition on Electricity Distribution, October 2006, Zlatibor, Serbia - Organized by CIRED Committee of the states of Serbia and Montenegro.

Member on The Electrical Engineering Association of Iasi, 2005 to present. Member on Romanian National Institute for the Study of Renewable Energy Planning (Romanian member to Eurelectric).

Additional information

Member on the editorials boards of *IJ-EE International Journal* and *Journal of Sustainable Energy*, as well as chairman of the various scientific conferences, in the country and abroad such as: 12th International Conference and Exhibition on Electromechanical and Energy Systems (SIELMEN 2019), International Conference and Exposition on Electrical and Power Engineering EPE 2018; International Conference and Exposition on Electrical and Power Engineering EPE 2016; XXXVI International Conference on Fundamentals of Electrotechnics and Circuit Theory 2012, Poland; Conference and Exposition on Electrical and Power Engineering (EPE 2012) (co-organizer of Workshops and Tutorials Renewable energy sources: from theory to technological developments and industry applications); The International Word Energy System Conference (WESC 2008).

Reviewer of over 120 articles published in prestigious journals as Renewable Energy Journal (ISSN: 0960-1481), Energies Journal (ISSN 1996-1073), Journal of Renewable and Sustainable Energy (ISSN: 1941-7012), International Journal of Ambient Energy (ISSN: 0143-0750), IET Generation, Transmission & Distribution (ISSN: 1751-8687), Journal of Engineering and Technological Sciences (ISSN: 2337-5779), Energy Reports (ISSN: 2352-4847), Sustainability (ISSN: 2071-1050), Journal Electronics and Electrical Engineering (ISSN: 1392-1215), International Journal Energy Conversion & Management (ISSN 0196-8904) and so on.