



Curriculum vitae Europass

Personal information

First name(s) / Surname(s) **Iosif Vasile NEMOIANU**

Address(es) 313 Splaiul Independentei, Building EB, Room EB-220, District 6, Bucharest, Postal Code: 060042, Romania

Telephone(s) +40214029612

Fax(es) +40214029144

E-mail iosif.nemoianu@upb.ro , inemoianu@yahoo.com

Nationality Romanian

Gender Male

Work experience

Dates October 1996 – to present

Occupation or position held Vice Dean of Faculty of Engineering in Foreign Languages, University “Politehnica” of Bucharest (2016-present) Associate Professor (since 2014), Lecturer (2005-2014), Instructor (2003-2005), PhD Student (1996-2002), University “Politehnica” of Bucharest, Faculty of Electrical Engineering, Department of Electrotechnics

Main activities and responsibilities **Course assignments at disciplines:** Electrical Circuit Theory, (track Engineering Physics, Faculty of Electronics, Telecommunications and Information Technology, year II, semester II), Basic Electrotechnics I (Faculty of Electronics, Telecommunications and Information Technology, year I, semester I), Electromagnetic Field of Transducers (Faculty of Electrical Engineering, In-depth Master first year, within the programme Instrumentation and Advanced Measurements Systems), Electrical Machines, Électrotechnique II (Electrotechnics II)(Faculty of Engineering in Foreign Languages, French branch, year II, semester II);
Application assignments at disciplines: Basic Electrotechnics I + II (Faculty of Electronics, Telecommunications and Information Technology, years I + II), Electrotechnics (Faculty of Transports, year II), Electrotechnics I (Faculty of Engineering and Management of Technological Systems, year III), Electrotechnics and Electrical Machines I + II (Faculty of Transports, year II), Electrotechnics (Faculty of Aerospace Engineering, year II), Théorie du champ (Field theory)(Faculty of Engineering in Foreign Languages, French branch, year II);
Laboratory assignments at disciplines: Electrotechnics I + II (year II, Faculty of Transports, Faculty of Engineering and Management of Technological Systems), Electrotechnics and Electrical Machines I + II (year II, The Faculty of Transports), Analyse et modélisation des circuits (Faculty of Engineering in Foreign Languages, French branch, year II); Électrotechnique II (Electrotechnics II) (Faculty of Engineering in Foreign Languages, French branch, year II, semester II)
Research: Scientific activities were carried out as part of teams constituted within the framework offered by the Department of Electrotechnics of U.P.B. The scientific outcome is represented by numerous papers published in speciality journals or national/international conference proceedings volumes, as well as grant research reports and electrical engineering books and monographies.

Name and address of employer University “Politehnica” of Bucharest, Faculty of Electrical Engineering, 313 Splaiul Independentei, Bucharest, Romania.

Type of business or sector Education, Scientific research

Additional information

- Member of the Editorial Board of International Journal of Applied Electromagnetics and Mechanics, IOS Press, ISSN print 1383-5416; ISSN online 1875-8800 (WOS Clarivate Analytics rated journal)
- Member of the Editorial Board of Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, Bucarest, ISSN 0035-4066 (WOS Clarivate Analytics rated journal)
- Member of the Editorial Board of The Scientific Bulletin of Electrical Engineering Faculty, ISBN 1843-6188 (BDI: IndexCopernicus)
- Member in the Reviewer Board, of the journal Electronics, MDPI, ISSN 2079-9292
- Financial Chair of the 6th Conference on the Engineering of Computer Based Systems (ECBS 2019), Bucharest on September 2-3, 2019
- Technical Committee member of The 9th & 10th International Conference on Key Engineering Materials, (Abstracted/Indexed in: SCOPUS www.scopus.com. Ei Compendex www.ei.org/. SCImago Journal & Country Rank (SJR) www.scimagojr.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. Chemical Abstracts Service (CAS)).
- Regional Chair of The 11th, 12th & 13th International Conference on Key Engineering Materials, (Abstracted/Indexed in: SCOPUS www.scopus.com. Ei Compendex www.ei.org/. SCImago Journal & Country Rank (SJR) www.scimagojr.com. Inspec (IET, Institution of Engineering Technology) www.theiet.org. Chemical Abstracts Service (CAS)).
- Member of conference committees (JAPMED'06 2009, SNET 2010, 2012; ISFEE 2014, 2016, 2018, 2020; ATEE 2015, 2017, 2019, 2021)
- More than 350 reviews of papers submitted to journals and conferences
- Author or co-author of 10 speciality books, monographies and university course published in CNCSIS indexed publishing houses, 78 articles and scientific communications published in journals conference proceedings volumes many of them indexed by International Databases (IDB) such as: ISI Web of Knowledge, IEE INSPEC, IEEE Explorer, British Library Direct, Science Direct
- Distinction *Magna cum Laude* awarded to the doctoral thesis
- Member of professional organizations AIEER, ASRO and DAAAM.

Education and training

Dates	2005 – 2006
Title of qualification awarded	Graduation Certificate, 2006
Principal subjects/occupational skills covered	Educational Psychology, Pedagogy, Didactics of Speciality, Pedagogical Communication, Educational Management, Practical Pedagogy.
Name and type of organisation providing education and training	University “Politehnica” of Bucharest, Department of Teaching Personnel Training
Dates	1997-2002
Title of qualification awarded	Doctoral Diploma in Electrical Engineering, 2003
Principal subjects/occupational skills covered	Magnetic materials characterization. Numerical analysis of the electromagnetic field specific to sensors and transducers. Study of some practical electromagnetic field problems related to special electrical machines and apparatus. Analytical and numerical modelling of electromagnetic devices. Design and optimization of measurement/acquisition systems. Electromagnetic levitation of permanent magnets and diamagnetic materials
Name and type of organisation providing education and training	University “Politehnica” of Bucharest, Faculty of Electrical Engineering
Dates	1991 – 1996
Title of qualification awarded	Bachelor of Science in Electrical Engineering, Metrology and Measurement Systems
Principal subjects/occupational skills covered	Mathematical Analysis, Special Mathematics, Physics, Basic Electrotechnics, Electric Power Generation, Electrical Power Transmission and Distribution, Electromagnetic levitation, Wireless power transfer, Electrical Machines, Electrical Drives, Electrical Apparatus, Numerical Methods, Electrical and Electronic Measurements, Sensors and Transducers, Static Power Converters, Electronic Devices and Circuits, System Theory and Automation, Microprocessor Systems, Programming Techniques.
Name and type of organisation providing education and training	University “Politehnica” of Bucharest, Faculty of Electrical Engineering
Dates	1987 – 1991

Title of qualification awarded	High School Diploma, Certificate of Professional Competence: Qualification in Automation Electronics for Electrotechnics, awarded by The Romanian Education Ministry, 1991.
Principal subjects/occupational skills covered	Mathematics, Physics, Computer Science, Electrotechnics, Technology in Electrical Engineering, Electrical and Electronic Measurements, Electronic Automation Equipment.
Name and type of organisation providing education and training	“Spiru Haret” Theoretical High School of Bucharest

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s)

Self-assessment European level (*)	Understanding		Speaking		Writing	
	Listening	Reading	Spoken interaction	Listening	Reading	
French	C2 Advanced user	C2 Advanced user	C2 Advanced user	C2 Advanced user	C2 Advanced user	C2 Advanced user
English	C2 Advanced user	C2 Advanced user	C2 Advanced user	C2 Advanced user	C2 Advanced user	C2 Advanced user

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

Social skills and competences	<ul style="list-style-type: none"> Sociability and communication skills – developed through the interaction with a wide range of professionals (students, professors, researchers, grant research partners and industrial partners) Team work Negotiation skills acquired as member of the research team in national and international partnerships (research grants).
Organisational skills and competences	<ul style="list-style-type: none"> Organizing student’s scientific seminars, presentations, electrical engineering conferences and trainings Management of international partnerships Management and research within the framework set by the National Research and Development Strategy.
Technical skills and competences	<ul style="list-style-type: none"> Computer Aided Design (CAD) of electrical and electronic devices Electric and magnetic measurements Analysis of power quality parameters Design of educational laboratory platforms (physical and virtual) for students’ use. Virtual reality and Augmented reality for education and medical applications E-learning
Computer skills and competences	<ul style="list-style-type: none"> Use of operating system platforms: Windows, Linux Use of Microsoft Office package Programming in TurboPascal, C and C++ languages Use of electrical engineering packages: Matlab-Comsol, Maple, Mathematica, Spice, Maxwell, IE3D, Radia, MathCAD, Quick-field, Flux 2D-3D, FEMM.