



Europass Curriculum Vitae



Personal information

Surname / First name **DANCIU Grigore**
 Address
 E-mail danciu@ieee.org
 Nationality Romanian
 Date and place of birth , Romania
 Gender
 Marital status

Work experience

Dates 1988-present
 Occupation or position held 1988-Senior Lecturer
 1997-Associate Professor
 2001-Professor
 2020-Retired, associated to the Dept. of Road Vehicles

- Main activities and responsibilities
- Academic: -*Head of the disciplines*: "Automotive Electric and Electronic Equipment", "Electric Vehicles", "Electric and Hybrid Powertrains", Intelligent Transportation Svstems (ITS). Intellicient Automotive Svstems:
 - Activities*: lectures, laboratory, design applications, advisor for B.Sc. and M.Sc. thesis, post graduation activities;
 - Professional boards*: member or president of B.SC, M.SC, Ph.D. examination boards, student research session board, post-graduate evaluation boards;
 - Research activities -15 research contracts on: electric and hybrid vehicles design and implementation; system modeling and simulation; development and implementation of real time control algorithms and systems; development of automotive testing and data acquisition systems;
 - Research areas: electric and hybrid vehicles, electric drives, automotive electronics, Intelligent Transportation Systems, digital systems and control, sensors and data acquisition systems, fuel-cell systems, new electric power sources, computer identification, simulation, design and manufacturing;
 - Faculty: Scientific secretary of the Faculty of Transportation (2002-2012); IT manager of the faculty (2002-2012); Member of the Faculty Council and of the Department Board;
 - Publications: 10 books and 13 papers in technical magazines, 59 papers at national and international conferences

Name and address of employer University "Politehnica" of Bucharest, Faculty of Transportation, Department of Road Vehicles- 313, Splaiul Independentei, Bucharest 060042, Romania
 Type of business or sector Education
 Dates 1979-1988
 Occupation or position held Research engineer + assistant professor

Main activities and responsibilities

- Professional: -design and implementation of 8080, 8085, 8086 microprocessor based process controllers: CPU boards, interfaces, operating systems;
 - real-time applications using these controllers in: DC and AC electric drives control, digital equipment testing, power stations control and monitoring, water plants control, data acquisition and control of electric machines benches, control of industrial processes in metallurgy and paper industries, air-quality monitoring;
- Academic: -design and lab activities for disciplines: "Electrical machines and drives", "Special electrical machines", "Electric drives", "Logic circuits" for the Faculty of Electrical Engineering, University "Politehnica" of Bucharest.

Name and address of employer "Electrotehnica" Company of Bucharest + University "Politehnica" of Bucharest
 Type of business or sector R&D + education

Education and training

Dates January-March 1993
 Title of qualification awarded Updating stage supported by Tempus Programme of EU
 Principal subjects/occupational skills covered Systems theory and control, Digital systems, Fuzzy-logic control
 Name and type of organization providing education and training University of Bradford, UK
 Dates 1981-1987
 Title of qualification awarded PhD in Electrical Engineering with thesis: "MICROPROCESSOR OPTIMAL CONTROL OF AC ELECTRIC MOTORS"
 Principal subjects/occupational skills covered Electrical Machines and Digital Electric Drives
 Name and type of organization providing education and training Polytechnic Institute of Bucharest (former name of University "Politehnica"), Faculty of Electrical Engineering
 Dates 1975-1979
 Title of qualification awarded M.Sc. in Electrical Engineering with thesis: "8080 Microprocessor Based Control of a DC Electric Drive"
 Principal subjects/occupational skills covered Electrical Machines and Drive Systems
 Name and type of organisation providing education and training Polytechnic Institute of Bucharest (former name of University "Politehnica"), Faculty of Electrical Engineering
 Dates 1970-1974
 Title of qualification awarded High school graduation diploma (Baccalaureate)
 Principal subjects/occupational skills covered High school
 Name and type of organisation providing education and training Mathematics and Physics High School "Aurel Vlaicu", Bucharest

Personal skills and competences

Mother tongue
 Other language(s)
 Self-assessment

Romanian

		Understanding				Speaking				Writing	
		Listening		Reading		Spoken interaction		Spoken production			
English		C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent
French		C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent
German		B1	Basic	B2	Good	B2	Good	B2	Good	B1	Basic
Russian		A1	Elementary	A2	Basic	A2	Basic	A2	Basic	A1	Elementary

Organizational skills and competences	<p>-<u>academic</u>: -head of disciplines with lecture, lab, design, examination activities; -<u>managerial</u>: as professor, scientific secretary of the faculty, and member of the management boards of the faculty I was involved in the majority of managerial activities of the faculty and department, including research projects;</p>
Technical skills and competences	<p>-<u>research projects</u>:- in the fields of electric machines and drives, microprocessors and digital electronics (hard and soft), systems theory and control, systems identification and modeling, automotive electronics, electric and hybrid vehicles, fuel cells, new energy sources (batteries, photovoltaics and wind), transportation systems including bike sharing, ITS;</p>
Computer skills and competences	<p><u>Operating systems</u>: Windows (XP, Vista, 7, etc), Linux, Android, MS-DOS, CP/M; <u>Languages</u>: C, C++, Pascal, Fortran, Matlab, Basic, PL/M; <u>Utilities</u>: MS-Office, Norton products, anti-viruses, etc; <u>Applications</u>: AutoCad, LabVIEW, Matcad, Adobe; <u>Simulations</u>: ADVISOR, Simulink, Spice</p>
Driving license	B category (cars)
Additional information	<p>-member of professional societies: -senior member-IEEE (Institute of Electric and Electronics Engineers-USA) with membership starting in 1993, SAE (Society of Automotive Engineers-USA) from 1997, SIAR (Romanian Society of Automotive Engineers- founding member)-from 2000; -vice-president and founding member of AVER (Romanian Society for Electric Vehicles) from 2006; -evaluator expert and rapporteur for FP6, FP7 and H2020 research projects: Marie Curie, Green Cars, XXL Storage, and International Audiovisual Cooperation - Erasmus Mundus actions; -evaluator for Polish-Norwegian Research Cooperation Programme; -evaluator for Romanian research programme RELANSIN; -technical referee for University of Kuwait; -member in the Scientific Committee of Journal "EEA - Electrotechnics, Electronics and Automatics" from 2006; -member of Scientific Committee and chair of session at European Electric Vehicle Congress-EEVC-2012, Brussels, Belgium; -member of Reviewing Committee ENERGYCON-2012 ,Florence, Italy; -speaker at "Cleanweek-2020" International Workshop, Zolder, Belgium, 3 May 2012</p>

14.03.2023