

Curriculum Vitae



General Information

Last name / First name

NĂVRĂPESCU Valentin

Address

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www

http://www.plc.pub.ro/plcpub1/navrapescu.htm, www.electro.pub.ro, www.amotion.pub.ro

Nationality

Romanian

Birthday

29.08.1959

Sex

Male

Professional experience

October 1984 up to present

Period

4.1990- up to present

Function and position

Professor, PhD

Principal Activities and responsibilities

Assistant professor **1991-1994**, Senior lecturer **1994-1997**, Associate professor **1997-2000**, Professor **din 05.2000**;

2012.05 – up to present - Dean of Electrical Engineering Faculty;

2012.03-05 - General Manager of Machines, materials and Electrical Drives Department;

2008 - 2012 - Vice-Dean of Electrical Engineering Faculty;

2008 - 2012 - General Manager of the Research Center "Equipment for Electromechanically Energy Conversion";

2004 - 2008 - Executive Manager of the Research Center "Equipment for Electromechanically Energy Conversion";

2005 – 2012 -Manager of the Electrical drives and Programmable Logic Controller Laboratories;

1997 - 2000 - Executive Manager of the Research Center "Equipment for Electromechanically Energy Conversion";

Name and address of the employer

University POLITEHNICA of Bucharest, Electrical Engineering Faculty, Splaiul Independenței 313, Camera EA 116, C060042, Bucharest, Romania

Activity type or branch

Teaching activities (lecturer for: Electric Drives; Control of the Electric Drives; Microcontrollers and Programmable Automats; Control, Monitoring and Diagnose of the Electric Drives; Informatics Systems in Electrical Drives); Coordinator for diploma and dissertation projects.

Period

1.1987-3.1990

Function and occupied position

Engineer; Scientific Researcher from 1988

Principal Activities and responsibilities

Design, installation, testing, commissioning, maintenance of electrical drives control systems implemented with microprocessors from Intel family, drive systems of urban transport (tram, trolley, subway)

Name and address of the employer

Designing Research Institute for Electrical Engineering - Bucharest, Department of drives, Equipment and Power Rectifiers, ICPE-SAERP, Splaiul Unirii 313, 030138, Bucharest, Romania

Activity type or branch

Research, design, testing, servicing, commissioning

Period

11.1984-12.1986

Function and occupied position

Engineer

Principal Activities and responsibilities

Design, commissioning, maintenance of industrial automation with PLC and industrial robots

Name and address of the employer

Automatica Bucharest, Calea Floreasca 159, 014457, Bucharest, Romania

Activity type or branch

Department of Research - Design

Research, design, testing, servicing, commissioning

Period

10.1984-11.1984

Function and occupied position

Trainee Engineer

Principal Activities and responsibilities Maintenance Automated assembly lines for outlets, extension cords and switches.
 Name and address of the employer Enterprise for electrical installations and equipment - Titu, Romania
 Activity type or branch Department of automated assembly

Education and Training

Period **1979-1984**
 Qualification / diploma obtained Electrical Engineer ; Profile: Electric ; Specialization: Electrical Drives; I graduated from the Department of Electrical Drives
 Principal subjects / occupational skills mathematics; physical; Electrical; computers; programming; electric drives; the control of electrical drives; systems theory and automatic control; design of electrical drives; electric cars; power electronics; digital systems; electrical and electronic measurements; microprocessor systems (Z80);
 Name and type of education / training provider Polytechnic Institute of Bucharest - Faculty of Electrical Engineering
 Specialization of Electric Drives

Personal skills and competences

Mother tongue Romania

Languages

Self-assessment

European level (*)

English Language

German Language

French Language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken oral		Written	
C1	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user	A1	Basic user
B1	Independent user	B1	Independent user	A2	Basic user	A2	Basic user	A2	Basic user

(*) Common European Framework of Reference for Languages

Social skills and competences

Spirit of teamwork; good communication skills even in multicultural or multilingual. These skills were acquired in the years spent in research, the Romanian university education, but as we had during the Scholarship or have conducted visits to various universities abroad.

Organizational skills and competences

Leadership skills, organizer with extensive experience in managing a team is it research or not. I coordinated and coordinated several research projects. Currently I am the director of a research center "Electromechanical Energy Conversion Equipment", the director of a university laboratory "Drives - Programmable Logic Controllers", deputy dean of the "Faculty of Electrical Engineering" at the University POLITEHNICA of Bucharest, I coordinated many graduation papers and dissertation, and guided PhD, I was a member of several committees of public support of doctoral dissertations as scientific reviewer.

Technical skills and competences

Ability to work with various computer programs and operating systems to work with the most modern equipment in the field of industrial electric drives and automation. I also have skills in design, testing, installation and maintenance of industrial equipment. These skills have been acquired over the years as I worked either in factories or research institutes in this field.

Skills and Computer

Good command of tools: Windows or other operating systems (DOS 6.22 - 3.11 for Windows systems in industrial applications); Microsoft Office; Matlab-Simulink; NetPetri; VisNetic; Acrobat Writer, Distiller;
 Knowledge of graphics applications: Photoshop; Adobe Illustrator.
 I work with languages / programming environments: Ladder Diagram; Instruction List; Structured Text; FoxPro; Easy Soft; Cx programer; Matlab-Simulink; Portunus; Corel Draw; Psim; VISS; C; XSOFT; OPC; CoDeSys; Simplorer; Pspice.

Other skills and competences

Hobbies: skiing; driving; lawn tennis and table tennis; travel

Additional Information

- Participate in more than 35 research projects - national and international development of which over 15 have been director / project manager. Some projects were made with foreign universities and Technische Universitaet Kaiserslautern - Germany, Reutlingen University-Germany, University of Bristol - UK;
- 21 books, manuals, design guidance, laboratory guides published CNCSIS and local publishing houses;
- Over 100 published scientific papers supported in several national and international events, workshops, scientific seminars.
- **Areas of professional skills** :
 - Electrical machines and drives
 - Industrial automation
 - Industrial controllers and PLCs (Programmable Logic Controllers)
 - The control of electric drive systems
- **November 22 - 1996**, Degree in mechanical engineering from the Polytechnic University of Bucharest;
- Participation in **more than 50 research projects** - national or international development that:
 - 1 International (FP7) - responsible from Romania
 - 3 international - project team member
 - 9 National - Project manager
 - 40 National - member project team
- **22 books**, textbooks, design, laboratory guides published in CNCSIS and local publishing houses , including a chapter written in a book published by a publishing house abroad (14 books and 8 laboratory guides);
- **Over 130 scientific papers** held in several national and international events , workshops , scientific seminars , as follows:
 - 3 Roumaine Revue des Sciences Techniques - Série ELECTROTECHNIQUE et Énergétique , after 2009, Thomson ISI
 - 19 national and international conferences volumes Thomson ISI
 - 36 journals indexed in International Databases
 - 23 national and international conferences volumes indexed in databases BDI
 - 3 indexed journals (before 1990)
 - 54 national and international conferences indexed volumes (21 since 2000 and 33 before 2000)
- **Member of several professional associations** :
 - Institute of Electrical and Electronics Engineers
 - Institution of Engineering and Technology
 - Romanian Society of Robotics
 - General Association of Engineers in Romania
 - Electric Vehicles Association in Romania
 - Standards Association of Romania - CT 333
 - Development Innovation Research Advisory Board of the Ministry of Education and Research
 - Vice President of the Commission for the Promotion of Scientific and Technical Cooperation The International CCCDI
 - The editorial board of the journal Electronics Electrical Automation, CNCSIS recognized magazine
- **Scientific Reviewer / Expert evaluator for**:
 - Romaine Revue des Sciences Techniques - Romanian Academy
 - Scientific Bulletin of the University Politehnica of Bucharest
 - IEEE Industrial Electronics Society
 - ACPART
 - RAQAHE
 - EUREKA - EUROSTARS
 - NURC
 - Scientific reviewer for several international journals and national conferences International Thomson ISI database or other type BDI
- **Citations** : elaborate works have been cited in more than 90 other scientific papers published in journals / conferences ISI indexed volumes or other databases (auto- or citations were excluded coauthors made by other works by which I am not co-author). In the last year (2014) were more than 16 citations .

Data: 26.10.2015

Prof.univ.dr.ing. **Valentin NĂVRĂPESCU**