



## Curriculum vitae Europass

### CURRICULUM VITAE



#### Personal information

First name(s) / Surname(s)

Address(es)

Telephone(s)

Fax(es)

E-mail

Nationality

Date of birth

Gender

**Horia Leonard Andrei**

Home address: 43, Blvd. Nicolae Grigorescu, Bl. D1, Sc. A, ap.2, sector 3, 030443, Bucharest, Romania

Residence address: 1, Plaiului str., Moreni, 135300, Dambovită, Romania

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Romania

May 15th 1954

Male

#### Desired employment / Occupational field

##### Work experience

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

1979-1982

SC ROMLUX SA, Targoviste, Romania

Industrial activity, design of electric equipments, and control systems

Trainee Engineer

Maintenance and design of electric equipments, control systems

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

1982-1991

Assistant

Teaching and research

University Politehnica of Bucharest, Romania, Department of Electrotechnics

University (Academic)

Seminars, laboratory: Fundamentals of Electrotechnics, Electrical drives;

Courses: Fundamentals of Electrotechnics, Industrial Electronics.

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

Type of business or sector

1991-1999

Lecturer

Teaching and research

University Politehnica of Bucharest, Romania, Department of Electrotechnics

University (Academic)

Seminars and laboratory: Fundamentals of Electrotechnics, Electrical drives;

Courses: Fundamentals of Electrotechnics, Electrotechnics and Electrical Drives, Industrial Electronics.

Dates 1999-2002  
Occupation or position held Assistant professor  
Main activities and responsibilities - Teaching and research;  
- Academic Advisor or Co-Advisor of over 20 Final Theses for the License and MSc degree in Electrical Engineering since 1999.  
Name and address of employer University Politehnica of Bucharest, Romania, Department of Electrotechnics  
Type of business or sector University (Academic)  
Seminars and laboratory: Fundamentals of Electrotechnics, Electrical drives;  
Courses: Fundamentals of Electrotechnics, Electrotechnics and Electrical Drives.

Dates 2000- 2019 Full Professor, PhD Supervisor; 2019-present Invited Professor, PhD Supervisor  
Occupation or position held Professor at University Valahia of Targoviste, Doctoral School of Engineering Sciences;  
Supervisor (Tutor) of PhD candidates in Electrical Engineering 2010- present;  
Head of Electrotechnical Department 2000-2004, Vice-Dean of Electrical Engineering Faculty 2004-2008, Vice-Director of Automatics, Informatics and Electrical Engineering Department 2008-2012.  
Main activities and responsibilities - Teaching and research;  
- Academic Advisor of over 100 Final Thesis for the License and MSc degree in Electrical Engineering since 1998;  
- Member of over 30 Final degree Examination Commission for the Electrical Engineering PhD (Doctorate) since 2000.  
Name and address of employer University Valahia of Targoviste, Bd. Carol I, Nr. 2, 130024, Targoviste, Dambovita, Romania  
Type of business or sector University (Academic), teaching and research activities.

### Education and training

Dates 1969-1973  
Title of qualification awarded Baccalaureate degree  
Principal subjects/occupational skills covered Learning activities  
Name and type of organisation providing education and training Theoretical High School no. 1 of Moreni, Dambovita, Romania  
Level in national or international classification High school graduate

Dates 1974-1979  
Title of qualification awarded MSc (Engineer Diploma) in Control Systems and Computer Science  
Principal subjects/occupational skills covered Learning and research activities  
Name and type of organisation providing education and training Faculty of Control Systems and Computer Science, University (Institute) Politehnica of Bucharest, Romania  
Level in national or international classification MSc (Engineer Diploma)

Dates 1996  
Title of qualification awarded PhD in Electrical Engineering  
Principal subjects/occupational skills covered Teaching and research activities  
Name and type of organisation providing education and training Faculty of Electrotechnics (Electrical Engineering), University Politehnica of Bucharest, Romania  
Level in national or international classification PhD

### Personal skills and competences

Other language(s)

Self-assessment

European level (\*)

Language-English

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
Very Good	Very Good	Very Good	Very Good	Very Good	

Language-French	Very Good	Very Good	Very Good	Very Good	Very Good e
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Social skills and competences	Many friends, sociable
Organisational skills and competences	Ability to work in team, administrative and management competences
Technical skills and competences	Very good didactical and research competences; technical skills: CAD and CADDY++ applications
Computer skills and competences	Microsoft Office, Basic, Pascal, C++, SPICE, PSPICE, Matlab/Simulink, LabVIEW
Artistic skills and competences	Music and painting
Other skills and competences	Competences in mathematics and physics
Driving licence	B

### Additional information

#### 1. Specializations and qualifications:

- *Graduate* of the PHARE program RO9807.01.01.02.0030 "Getting Started in Project Management" at University Politehnica of Bucharest, Romania;
- *Trainer accreditation* CPI-SA technique for teaching and knowledge of computer science;
- *European Computer Driving Licence* - ECDL RO 007634

#### 2. Research activity - Experience (including managerial experience) in national and international projects:

- **40 (32 / 8)** national/international projects, in **13** of them I have been director or responsible;
- 1 H2020, 1 IEE, 2 FP7 and 4 COST proposals;
- 2 inovations.

#### 3. Publications:

- I have published a total number / first author of **327 / 164** papers and articles in international and national journals and in the proceedings of international scientific conferences;
- **73 / 42** of them are published in journals and conferences proceedings indexed by **ISI Web of Science-WoS, and 204/128 indexed by Google Scholar** ;
- I have published a total number / first author of **57 / 31** books, chapters of books and technical monographs;
- More than **800 citations** in books and articles, including **416 citations in ISI WoS and 847 in Google Scholar**;
- **H-index: Google Scholar 14, i-10 index 20; Scopus 11; ISI Web of Science (WoS) 11;**

#### 4. Member of professional associations:

- **Senior Member IEEE** (Institute of Electric and Electronic Engineering): Circuits and Systems (CAS) Society since 2012 (Membership since 2006), IEEE Broadcast Technology Society Membership since 2011;
- *AGIR* (General Association of Romanian Engineers), since 2014;
- *AMSE* (Association for the Advancement of Modeling and Simulation techniques in Enterprises) since 1986;
- *WSEAS* (World Scientific and Engineering Academy and Society), since 2005;
- *SIEAR* (Romanian Electrical Installations and Automatization Engineers Society) since 2001;
- *AIEER* (Romanian Electrical and Electronical Engineers Society) since 2003;
- *SRR* (Romanian Society of Robotics), since 2006.

#### 5. International experience, national and international recognition:

- *Visiting Professor* : University of Rouen, France, 2005, Politecnico di Torino, Italy, 2006, 2007, 2009, 2014; University College of Engineering – Copenhagen, Denmark, 2010, under the Socrates/Erasmus Staff Exchange Programme;

- *Reviewer of the international journals indexed by ISI Web of Science*: "AA-Acta Astronautica", "MSB-Materials Science and Engineering B", "JPROCONT-Journal of Process Control", "Energy", "APEN-Applied Energy", "JCLEPRO- Journal of Cleaner Production", "Energy, Ecology and Environment" - Elsevier Editorial System; "Energies"; "IEEE – J. of Photovoltaics"; "IEEE - Transactions on Industrial Electronics (TIE)"; "IEEE - Transactions on Very Large Scale Integration Systems (TVSLI)"; "Journal of Electrical and Electronics Engineering Research-JEER"; AKTA-IMEKO;

- *Reviewer of the national journals*: "The Scientific Bulletin of Electrical Engineering Faculty", "Journal of Electrical and Electronics Engineering", "Electrotechnics, Electronics and Control Systems – EEA" indexed by Romanian CNCSIS with classification B+ and by Index Copernicus – Master Journal List;

- *Editor in chief of the journal* "The Scientific Bulletin of Electrical Engineering Faculty-SBEEF"; Co-

Chief Editor of the “Journal of Electrical Engineering, Electronics, Control and Computer Science-JEECCS”;

- *Expert of European IEE-EACI – Programme;*

- *Invited presentation/paper* : WSEAS Bucharest 2006 and Rhodos 2008, IEEE-ECAI Pitesti 2010, EW-DGSRES Pitesti 2012; , IEEE-ECAI 2020.

- *National evaluator-expert* of the research proposals for: PNCDI, CE-EX, RELANSIN, CNCSIS, CERES, AMCSIT;

- *Chairmen of conferences*: ISEM 2000 Univ. Valahia Targoviste; ISEE 2001, 2002, 2003, 2004, 2005, 2007, 2009, 2011 Univ. Valahia Targoviste; WSEAS 2006 Bucharest, WSEAS 2008 Rhodos; WESC 2010 Targoviste;

- *Member of the Conferences Scientific/Organizing/Program Committee, Reviewer*. RJJSAEM 2001, Univ. Oradea; METSIM 2002, 2003, 2005 University Politehnica Bucharest (UPB); IEEE-EMES 2004, 2005, 2009, 2011, 2013, 2015-Univ. Oradea; SNET 2004, 2005, 2007, 2009, 2012 UPB; IEEE-ATEE 2004, 2006, 2008, 2010, 2012 UPB; GSP 2005 UPB; IEEE-ECAI – 2010, 2011, 2013, 2014, 2015 Univ. Pitesti; WESC – 2004 Oradea, 2006 Torino, 2008 Iasi, 2012 Suceava; IEEE-INDIN Viena 2007; WSEAS –Lisabona and Bucharest, 2006, Istanbul, and Creta 2007, Rhodos 2008; 11th Int. Conf. on Microwave and high Frequency Heating (Ampere Conf), 2007 Oradea; JAPMED 2009, 2011; IEEE-EEIC Roma, 2011,2015, Venice-Athens 2012, Wroclaw 2013; IEEE-MELECON 2012, Tunis; IEEE-PES-DEMSEE 2012, Bucharest; EW-DGSRES Pitesti 2012; IEEE-ISCAS 2016;

- *Award and Honors*: Included in “Who’s Who in the World - Who’s Who in Science and Engineering”, VIP Number 32846430 since 2008, pp. 77; Included in “The IBC Leading Engineers of the World 2008”, International Biographical Centre, Cambridge, England; I received “Diploma of Excellence” from the 13-th National Inventions Conference, Iasi, Romania, 4-6 June, 2009; Nominee at ENI Award in 2010, 2011; I received „Diploma of Excellence” from University „Stefan cel Mare” of Suceava, Romania, 28 June 2012; I received the grade of Senior Member IEEE, Oct. 2012; I received „Certificate of Excellence” from Romanian National Commission for UNESCO, 30 Oct. 2012; I received from Elsevier – Journal of Applied Energy - APEN „Outstanding Reviewer of 2012 Awarded to Horia Andrei for Exceptional Contribution to the Quality of the Journal of Applied Energy-APEN”, „APEN-Certificate of Reviewing-awarded April, 2015” ; Applied Energy (IF 7.182) – Awards of Best Reviewers (2016), Springer Nature Award „Energy, Ecology, Environment Applied Energy – 2018 Outstanding Reviewers for Exceptional Contributions of their Reviews to the Journal”.

- *Co-Guest Editor* of Special issue of *Energy Journal* (ISI Web of Science, ISSN 0360-044) dedicated to a selection of scientific papers presented at the 8th World Energy System Conference (WESC), Targoviste, 2010.

July 2020

Prof. Dr. Ing. Horia ANDREI

