



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **MARINESCU Corneliu**
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E-mail corneliu.marinescu@unitbv.ro
Nationality Romanian
Date of birth 1948/05/26
Gender male

Employment/ Occupational field

**Transilvania University of Brasov,
Research Departament: *Advanced Electrical Systems***

Work experience

Dates **1975-present**
Occupation or position held Professor
Main activities and responsibilities Teaching: Power Electronics; Renewable Energy.
Research: Power Electronics and Renewable Energy
Name and address of employer Transilvania University of Brasov, Bd. Eroilor, 29, Brasov, 500036, ROMANIA
Type of business or sector Higher education

Dates **1973-1974**
Occupation or position held Engineer, supervising the Diesel-electric locomotives department;
Name and address of employer Locomotives Depot of Brasov,
Type of business or sector transportation

Dates **1971-1973**
Occupation or position held Engineer
Main activities and responsibilities Researcher
Name and address of employer Institutul de Studii si Cercetari Transporturi, Bucharest
Type of business or sector R&D

Education and training

Dates 1991
Title of qualification awarded PhD in engineering
Principal subjects/occupational skills covered AC induction machiness based drive for electric railway engines

Name and type of organisation providing education and training Politehnica University of Bucharest, ROMANIA

Level in national or international classification Doctoral studies

Dates 1971

Title of qualification awarded Engineer Diploma

Principal subjects/occupational skills covered Electrical engineering

Name and type of organisation providing education and training Transilvania University of Brasov, ROMANIA

Level in national or international classification Higher education

Personal skills and competences

Mother tongue(s) **Romanian**

Other language(s) **English**

Self-assessment
European level ()*

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Independent user	C1	Independent user	C1	Independent user	C1	Independent user	B2	Independent user

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

Social skills and competences Extended experience of working in teams
Good communication skills

Organisational skills and competences Skilled in International Co-operation as a result of more than 17th years of co-operation with a lot of EU Universities and organizations during participation in the 4 EU Tempus Program Projects, 2 "Socrates" Program Projects, 2 Leonardo Projects belonging to EU Educational Programs and a **FP6 research project on RES**.
1996-present: Coordinator of 11 EU/national projects
1996-present Coordinator of POWERELMA research laboratory

Technical skills and competences : Deep knowledge in power electronics(PE) especially involving:
- electric machines drives (DC and AC);
- renewable energy sources-RES
- electric and diesel-electric vehicles
PhD Supervisor since 2003

Computer skills and competences Advanced level for MS Office

Some significant recent papers

1. L. Barote, C. Marinescu, and M. N. Cirstea, *Control Structure for Single-Phase Stand-Alone Wind-Based Energy Sources*, IEEE Transaction on Industrial Electronics, vol. 60, no. 2, pp. 764- 772, Feb. 2013. DOI: 10.1109/TIE.2012.2206346.
2. I. Serban, C. Marinescu "Aggregate load-frequency control of a wind-hydro autonomous microgrid", *Renewable Energy Journal*, Elsevier, 2011, **36**, (12), pp. 3345-3354,
3. C.P. Ion, C. Marinescu, "Autonomous micro hydro power plant with induction generator", *Renewable Energy Journal*, Elsevier, 2011, **36**, (8), pp. 2259-2267, doi:10.1016/j.renene.2011.01.028 SRI 1,424
4. C.P. Ion, C. Marinescu , Three -Phase Induction Generators for Single-Phase Power Generation: An Overview, *Renewable & Sustainable Energy Reviews*, Elsevier, 2013
5. C.P. Ion, C. Marinescu, *Stand-alone micro-hydro power plant with induction generator supplying single phase loads*, J. Renewable Sustainable Energy **5**, 013105 (2013)
6. Ioan Serban, Corneliu Marinescu, *Power Quality Issues in a Stand-Alone Microgrids Based on Renewable Energy*, Revue Roumaine des Sciences Technique, serie Electrotechnique et Energetique, Tome 53, 3, p.285-293, Bucuresti, 2008

7. Luminița Barote, Corneliu Marinescu, Ioan Șerban, *Energy storage for a stand-alone wind energy conversion system*, Rev. Roum. Sci. Techn. – Électrotechn. et Énerg., 55, 3, pp. 235–242, Bucharest, 2010.
8. Daniela Marinescu, C. Marinescu, “Control Optimizing Algorithm for Soft Sun-Trackers” IEEE International Conference ATQR 2006, Cluj-Napoca, Proceedings IEEE 1-4244-X/06, pp.54-57
9. C. Marinescu, A. Deaconu, E.Ciurea, Daniela Marinescu *From Microgrids to Smart Grids: Modeling and Simulating using Graphs. Part II Optimization of Reactive Power Flow*, 12th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2010, pp. 1251-1256

Additional information

IEEE member, from 2002

01/02/2013

