



## Europass Curriculum Vitae



### INFORMATII PERSONALE

Nume **MARINESCU Corneliu**  
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Nationalitatea Romana

Data nasterii 1948/05/26

### EXPERIENTA PROFESIONALA

Perioada *1975-prezent*

Functia sau postul ocupat Profesor

• Principalele activitati si responsabilitati Cursuri predate: Electronica de putere, Surse de Energie (Regenerabile), Electrotehnica  
Cercetare: Electronica de putere, Surse de Energie Regenerabile.

Numele si adresa angajatorului Universitatea Transilvania din Brasov, Bd. Eroilor, 29, Brasov, 500036, ROMANIA

Perioada *1971-1973*

Functia sau postul ocupat Inginer

Numele si adresa angajatorului Cercetator stiintific

• Tipul activitatii sau Sector de activitate R&D Institutul de Studii si Cercetari Transporturi, Bucuresti

*2003-2015*

Conducator de doctorat in domeniul...Inginerie Electrica din 2003  
Mentor PostDoc din 2010

### EDUCATIE SI FORMARE

Perioada 1991

Tipul calificarii/Diploma obtinuta Doctor Inginer

• Numele si tipul institutiei de invatamant si al organizatiei profesionale prin care s-a realizat formarea profesionala Universitatea Politehnica Bucuresti, ROMANIA

• Nivelul de clasificare a formei de instruire/invatamant Studii Doctorale

Perioada s 1971

Tipul calificarii/Diploma obtinuta Diploma Inginer

Principal subjects/occupational	Inginerie Electrica		
Competente personale			
LIMBA MATERNA)	Romana		
LIMBI STRAINE CUNOSCUTE	1. Engleza		2.Italiana
Competente Sociale	Capacitate probata de lucru in echipa Capacitate buna de comunicare		
Indeplinire punctaj Profesor	Nr. crt.	Domeniul de activitate	Punctaj
	1	Activitatea didactică / profesională (A1)	153,77
	2	Activitatea de cercetare (A2)	1338,43,
	3	Recunoașterea impactului activității (A3)	1542,645
	<b>TOTAL</b>		<b>3034,845</b>
Competente Organizacionale Si de cercetare	Colaborare internationala ca rezultata a mai mult de 17 ani de cooperare cu EU Universities si alte organizati prin participarea la 4 EU Tempus Program Projects, 2 "Socrates" Program Projects, 2 Leonardo Projects de tip EU Educational Programs, un proiect FP6 un proiect LIFE cu component cercetare. 1996-present: Coordonator al 11 EU/national projects cistigate prin competitie 1996-present Coordonator al laboratorului de cercetare POWERELMA .		
	1. "Echipament de actionare cu pila de combustie pentru electrocare" Contract 1599/2001, încheiat prin câștigarea licitației MEC in programul RELANSIN.	Titular de contract. Responsabil de contract , in parteneriat cu ICPE SAERP ( Conducator de proiect), Univ.Politehnica Bucuresti.	2001-2003
	4. Contract IDEI no. 134/2007 5 Contract Parteneriate no. D1 11 0004 6. Contract Parteneriate no. D3 21 062 7. Contract Parteneriate no. D3 22 134	Titular contract Responsabil partener Responsabil partener Responsabil partener	2007-2010 2007-2010 2007-2010 2008-2011
	<b>Proiecte internationale:</b>		
	FP6:CRISTAL , anul 2007-2009  Project full title: CONTROL OF RENEWABLE INTEGRATED SYSTEMS TARGETING ADVANCED LANDMARKS Proposal / Contract no.: 038406/DG TREN	Lider de workpack. , lider institutional	2007-2009
	4 proiecte educationale Tempus: JEP 2818, S-JEP CONEET, S-JEP TRUST , TEMIS;	activitatea de coordonare a proiectului Tempus TEMIS lider institutional Universitatii Transilvania",	1992-2001
	2 proiecte educationale Socrates: Socrates Minerva: Minerva RE2U (Romanian eUniversity) nr. 100693-CP-1-2002-RO-MINERVA-M	coordonator/ membru in echipa de coordonare.	1999-2007
Proiect LIFE, "SUSTAINHUTS, LIFE15 CCA/ES/000058	lider institutional	2016-2020	

APTITUDINI SI COMPETENTE TEHNICE :	<p>Cunostiinte avansate in power electronics( PE) in special in domeniile:</p> <ul style="list-style-type: none"> <li>- sisteme convertor-masina</li> <li>- renewable energy sources-RES si interfete electronice pentru ele</li> <li>- tractiune electrica</li> </ul> <p>Conducator de doctorat atestat din 2003 Mentor PostDoc din 2010 11 monografii, 7 manuale didactice, 175 articole stiintifice ( din care 109 in reviste si conferinte internationale majoritatea de nivel ISI)</p>
LUCRARI RECENTE SEMNIFICATIVE	<p>1. Ioan Serban, Corneliu Marinescu, <i>Control Strategy of Three-Phase Battery Energy Storage Systems for Frequency Support in Microgrids and with Uninterrupted Supply of Local Loads</i>, IEEE TRANSACTIONS ON POWER ELECTRONICS, VOL. 29, NO. 9, SEPTEMBER 2014, pp 5010-5021, FI=4.080 ; SRI=2.288</p> <p>2.L. Barote, C. Marinescu, <i>Software method for harmonic content evaluation of grid connected converters from distributed power generation systems</i>, <b>Energy</b> 66 (2014) 401e412, , FI: 3.651; SRI: 2.393.</p> <p>3. L. Barote, C. Marinescu and M. N. Cirstea, <i>Control Structure for Single-Phase Stand-Alone Wind-Based Energy Sources</i>, IEEE TRANSACTION ON INDUSTRIAL ELECTRONICS, vol. 60, no. 2, pp. 764- 772, Feb. 2013. DOI: 10.1109/TIE.2012.2206346. SRI 1,892</p> <p>4.I. Serban, R. Teodorescu, C. Marinescu, <i>Energy Storage Systems Impact on the Short-Term Frequency Stability of Distributed Autonomous Microgrids, an Analysis Using Aggregate Models</i>, , IET Renewable Power Generation, vol 7, no. 5, Sept. 2013, pp. 531-539. <b>Lucreare premiata cu the IET Premium Awards 2015</b></p> <p>5. I. Serban,C. Marinescu “Aggregate load-frequency control of a wind-hydro autonomous microgrid”, <i>Renewable Energy Journal</i>, Elsevier, 2011, <b>36</b>, (12), pp. 3345-3354, SRI 1,424</p> <p>6. C.P. Ion, C. Marinescu, “Autonomous micro hydro power plant with induction generator”, <i>Renewable Energy Journal</i>, Elsevier, 2011, <b>36</b>, (8), pp. 2259-2267, doi:10.1016/j.renene.2011.01.028 SRI 1,424</p> <p>7. C.P. Ion, C. Marinescu , <i>Three -Phase Induction Generators for Single-Phase Power Generation: An Overview</i>, <i>Renewable &amp; Sustainable Energy Reviews</i>, Elsevier, 2013</p> <p>8. C.P. Ion, C. Marinescu, <i>Stand-alone micro-hydro power plant with induction generator supplying single phase loads</i>, <i>J. Renewable Sustainable Energy</i> <b>5</b>, 013105 (2013)</p> <p>9. Ioan Serban, Corneliu Marinescu, <i>Power Quality Issues in a Stand-Alone Microgrids Based on Renewable Energy</i>, <i>Revue Roumaine des Sciences Technique</i>, serie Electrotechnique et Energetique, Tome 53, 3, p.285-293, Bucuresti, 2008</p> <p>10. BAROTE, L., MARINESCU, C. <i>Modeling and Operational Testing of an Isolated Variable Speed PMSG Wind Turbine with Battery Energy Storage Advances in Electrical and Computer Engineering</i>, <b>ISI Review</b> ; Volume 12, Issue 2, Year 2012, On page(s): 81 – 88;ISSN: 1582-7445, e-ISSN: 1844-7600;Digital Object Identifier: 10.4316/AECE.2012.02014</p>
Informatii Aditionale	<p>Membbru IEEE 2002 Membbru ARAE</p>
.Premii	<b>Detinator al premiului IET Premium Awards 2015</b>

11/07/2016