

FIȘA DE CALCUL ȘI DE SUSȚINERE A ÎNDEPLINIRII STANDARDELOR MINIMALE - COMISIA ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE

STANDARDE MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR

ȘI A GRADELOR PROFESIONALE DE CERCETARE – DEZVOLTARE

1. Structura activității candidatului: Conferențiar. dr. ing. Emilian CEUCA

Nr.	Domeniul activităților			Subcategorii	Indicatori (kpi)
0	1	2	3	4	5
		Cărți și capitole în cărți de specialitate în edituri recunoscute	Cărți/ monografii/ capitole ca autor;	A1.1.1 internaționale	25
				Sub-total	0
	Activitatea didactică și profesională (A1)	Cărți și capitole în cărți de specialitate în edituri recunoscute	Cărți/ monografii/ capitole ca autor;	A1.1.2 naționale	20
A1.1.2.1		Emilian CEUCA – Tendințe actuale in electronica auto. Simularea circuitelor electronice de putere, Cluj-Napoca, Editura Mediamira, 2007,ISBN: 978-973-713-161-4, 245 pagini. Editura pe pozitia 158 din lista CNCISIS, cod CNCISIS 162.			20
A1.1.2.2		Emilian CEUCA – Dezvoltarea aplicațiilor client server, Editura Aeternitas, Alba Iulia, 2007, ISBN 978-973-7942-74-6, 170 de pagini. Editura pe pozitia 4 din lista CNCISIS, cod CNCISIS 18.			20
A1.1.2.3		I. Emilian CEUCA – Baze de date si limbaje de programare, Editura Aeternitas, Alba Iulia, 2009, ISBN 978-973-1890-27-2, 244 de pagini. Editura pe pozitia 4 din lista CNCISIS, cod CNCISIS 18.			20
A1.1.2.4		I. Emilian CEUCA – Circuite Electronice, Editura Aeternitas, Alba Iulia, 2017, ISBN 978-606-613-141-4, 221 de pagini. Editura pe pozitia 4 din lista CNCISIS, cod CNCISIS 18.			20
A1.1.2.5		I. Emilian CEUCA – Modelarea Convertoarelor Electronice, Editura Aeternitas, Alba Iulia, 2017, ISBN 978-606-613-142-1, 150 de pagini. Editura pe pozitia 4 din lista CNCISIS, cod CNCISIS 18.			20
				Sub-total	100
		Material didactic / Lucrări didactice	Manuale didactice	A1.2.1	10
A1.2.1.1		Remus Joldeș, Ioan Ileană, I. Emilian CEUCA- Managementul Sistemelor Informaționale. Master MFCA. Seria „DIDACTICA”, Universitatea „1 Decembrie 1918”, Alba Iulia, 2009 , 108 pagini.			10
A1.2.1.2		I. Emilian CEUCA – Prelucrarea imaginilor, Seria „DIDACTICA”, Universitatea „1 Decembrie 1918”, Alba Iulia, 2007			10
A1.2.1.3		I. Emilian CEUCA – Programare avansată Windows , Seria „DIDACTICA”, Universitatea „1 Decembrie 1918”, Alba Iulia, 2007, 130 pagini			10
A1.2.1.4		I. Emilian CEUCA – Rețele de calculatoare, Seria „DIDACTICA”, Universitatea „1 Decembrie 1918”, Alba Iulia, 2006, 100 pagini			10
A1.2.1.5		I. Emilian CEUCA, V. Bucur – Proiectarea sistemelor informatice, Seria „DIDACTICA”, Universitatea „1 Decembrie 1918”, Alba Iulia, 2006, 150 pagini			10
A1.2.1.6		I. Emilian CEUCA, – Circuite Electronice, Seria „DIDACTICA”, Universitatea „1 Decembrie 1918”, Alba Iulia, 2015, 145 pagini			10
A1.2.1.7		I. Emilian CEUCA, – Proiectarea Cablajelor Imprimare cu PADS, Note de curs in Format Electronic, Biblioteca Univ. „1 Decembrie 1918”, Alba Iulia, 2013, 143 pagini			10

A1.2.1.8	I. Emilian CEUCA, – Modelarea Convertoarelor Electronice, Note de curs in Format Electronic, Biblioteca Univ. „1 Decembrie 1918”, Alba Iulia, 2013, 100 pagini			10
	Sub-total			80
	5 Cărți/Monografii, 8 Didactic		Total indicator A1	
				180
	Articole în reviste cotate și în volumele unor manifestări indexate ISI Proceedings <i>prezente in mai. 2017 in: http://www.library.pub.ro/Baze_științifice.html ® ISI</i>	A2.1 →	Accession Number WOS	(25+20 * factor impact) / nr.de aut
	Indicele WOS a fost extras din baza ISI în 1 februarie 2018 și oferă cheia de acces a articolelor în baza de date ISI. . FI al Jurnalelor ISI românești este extras din pagina UEFISCDI - mai. 2017. FI al Conferințelor ISI este 0.25, conform Criteriilor aprobate.			
A2.1.1	<p>Title: Case study regarding the conversion efficiency of small horizontal axis turbines Author(s): Carmen Maria Mârza, Georgiana Dorina Corsiuc, Dana-Adriana Iluțiu-Varvara, Ceuca, E (Ceuca, E); Edited by: 1877-7058 © 2017 The Authors. Published by Elsevier Ltd. Peer-review under responsibility of the organizing committee of INTER-ENG 2016. Published: 2017 Accession Number: WOS:000404612700090 Conference Title: 10th International Conference Interdisciplinarity in Engineering, INTER-ENG 2016 Conference Date: NOV 21-23, 2016 Conference Location: TG MURES, ROMANIA ISSN: 1877-7058</p>			7,50
A2.1.2	<p>Title: Influence of Switching Frequency on Active and Reactive Load Power of Resonant Converters Author(s): Pop, O (Pop, Ovidiu); Fizesan, R (Fizesan, Raul); Taut, A (Taut, Adrian); Ceuca, E (Ceuca, Emilian) Book Group Author(s): IEEE Source: 2016 39TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 328-331 Published: 2016 Accession Number: WOS:000387089800064 Conference Title: 39th International Spring Seminar on Electronics Technology (ISSE) Conference Date: MAY 18-22, 2016, Conference Location: Pilsen, CZECH REPUBLIC ISSN: 21612536 ISBN: 9781509013890</p>			7,50

A2.1.3	<p>Title: Electromagnetic Compatibility Analysis of the Assembly e-bike Power Electronic Converter with Recovery Function</p> <p>Author(s): Ceuca, E (Ceuca, Emilian); Pocan, I (Pocan, I.); Pop, O (Pop, O.)</p> <p>Book Group Author(s): IEEE</p> <p>Source: 2016 39TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 398-401</p> <p>Published: 2016</p> <p>Accession Number: WOS:000387089800078</p> <p>Conference Title: 39th International Spring Seminar on Electronics Technology (ISSE)</p> <p>Conference Date: MAY 18- 22, 2016, Conference Location: Pilsen, CZECH REPUBLIC,</p> <p>ISSN: 21612536 ISBN: 9781509013890</p>	10,00
A2.1.4	<p>Title: Strategy Approach for developing the Control Mode for Modern E- bike Controller developed in Laboratory at "1 DECEMBRIE 1918" University of Alba Iulia</p> <p>Author(s): Ceuca, E (Ceuca, Emilian); Trifa, V (Trifa, V.)</p> <p>Book Group Author(s): IEEE</p> <p>Source: 2015 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS) Book Series: International Semiconductor Conference Pages: 237-240</p> <p>Published: 2015</p> <p>Accession Number: WOS:000380566400047</p> <p>Conference Title: International Semiconductor Conference Conference Date: OCT 12- 14, 2015</p> <p>Conference Location: Nat Inst for Res and Dev in Microtehnologies, Sinaia, ROMANIA</p> <p>Conference Sponsors: IEEEElectron</p> <p>Devices Soc, Romanian Acad, Electrochemical Soc Inc, Minist of Educ, IEEERomania</p> <p>Section, Elect Devices Chapter, IEEE, Ev</p> <p>Grp Europe & Asia Acific GmbH, Austria, Carl Zeiss Instruments S.R.L., Romaniana, SC SITEX 45 SRL, InterNET SRL, SC New Style Trans Prest SRI Romania</p> <p>Conference Host: Nat Inst for Res and Dev in Microtehnologies</p> <p>ISSN: 1545827X ISBN: 9781479988631</p>	15,00
A2.1.5	<p>Title: Study for developing the Energy Recovering Circuit for Modern E- bike Controller</p> <p>Author(s): Ceuca, E (Ceuca, Emilian); Brezeanu, G (Brezeanu, Gh.); Trifa, V (Trifa, V.)</p> <p>Book Group Author(s): IEEE</p> <p>Source: 2015 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS) Book Series: International Semiconductor Conference Pages: 245-248</p> <p>Published: 2015</p> <p>Accession Number: WOS:000380566400048</p> <p>Conference Title: International Semiconductor Conference</p> <p>Conference Date: OCT 12-14, 2015</p> <p>Conference Location: Nat Inst for Res and Dev in Microtehnologies, Sinaia, ROMANIA</p> <p>Conference Sponsors: IEEEElectron</p> <p>Devices Soc, Romanian Acad, Electrochemical Soc Inc, Minist of Educ, IEEERomania</p> <p>Section, Elect Devices Chapter, IEEE, Ev</p> <p>Grp Europe & Asia Acific GmbH, Austria, Carl Zeiss Instruments S.R.L., Romaniana, SC SITEX 45 SRL, InterNET SRL, SC New Style Trans Prest SRI Romania</p> <p>Conference Host: Nat Inst for Res and Dev in Microtehnologies</p> <p>ISSN: 1545827X ISBN: 9781479988631</p>	10,00

A2.1.6	<p>Title: <i>The Smart City - Integrated Green Energy System</i> Author(s): Ceuca, E (Ceuca, Emilian); Corsiuc, G (Corsiuc, Georgiana) Edited by: Franz M; Krammer O; Nicolics J; Wohlrabe H Source: 2015 38TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE 2015) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 390- 395 Published: 2015 Accession Number: WOS:000374113000079 Conference Title: 38th International Spring Seminar on Electronics Technology (ISSE) Conference Date: MAY 06- 10, 2015 Conference Location: Eger, HUNGARY ISSN: 21612528 ISBN: 9781479988600</p>	15,00
A2.1.7	<p>Title: <i>LowVoltage Controlled Floating Buck Converter with Imbalanced Stacked MOSFETs Switch (ISMS) for High LED Driving Capability</i> Author(s): Purdila, AG (Purdila, Anca Gabriela); Pristavu, G (Pristavu, Gheorghe); Anghel, V (Anghel, Vlad); Brezeanu, G (Brezeanu, Gheorghe); Ceuca, E (Ceuca,Emilian) Source: ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY Volume: 18 Issue: 4 Pages: 388 - 407 Published: 2015 Accession Number: WOS:000209966200007 ISSN: 14538245</p>	6,48
A2.1.8	<p>Title: <i>Arduino Based Power Semiconductors Tester for Urban Traction Systems</i> Author(s): Tulbure, A (Tulbure, Adrian); Ceuca, E (Ceuca, Emilian); Turschner, D (Turschner, Dirk) Edited by: Franz M; Nicolics J; Wohlrabe H Source: PROCEEDINGS OF THE 2014 37TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE)- ADVANCES IN ELECTRONIC SYSTEM INTEGRATION Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 210- 214 Published: 2014 Accession Number: WOS:000346580500042 Conference Title: 37th International Spring Seminar on Electronics Technology (ISSE) Advances in Electronic System Integration Conference Date: MAY 07- 11, 2014 Conference Location: Dresden, GERMANY ISSN: 21612536 ISBN: 9781479944552</p>	10,00
A2.1.9	<p>Title: <i>Modeling and Practical Strategy for PWM Control in Heating Applications</i> Author(s): Ceuca, E (Ceuca, E.); Tulbure, A (Tulbure, A.) Edited by: Franz M; Nicolics J; Wohlrabe H Source: PROCEEDINGS OF THE 2014 37TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) ADVANCES IN ELECTRONIC SYSTEM INTEGRATION Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 325-330 Published: 2014 Accession Number: WOS:000346580500064 Conference Title: 37th International Spring Seminar on Electronics Technology (ISSE) Advances in Electronic System Integration Conference Date: MAY 07- 11, 2014 Conference Location: Dresden, GERMANY ISSN: 21612528 ISBN: 9781479944552</p>	15,00

A2.1.10	<p>Title: Practical Behavior of charging applications and command strategy in Wireless Power Supplies</p> <p>Author(s): Ceuca, E (Ceuca, Emilian); Brezeanu, G (Brezeanu, Gh.)</p> <p>Book Group Author(s): IEEE</p> <p>Source: 2014 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS) Book Series: International Semiconductor Conference Pages: 189- 192</p> <p>Published: 2014</p> <p>Accession Number: WOS:000380488300037</p> <p>Conference Title: International Semiconductor Conference Conference Title: International Semiconductor Conference (CAS 2014)</p> <p>Conference Date: OCT 13- 15, 2014</p> <p>Conference Location: sinaia, ROMANIA</p> <p>Conference Sponsors: IMT Romanian Acad Electrochemical Soc Inc, IEEE Elect Devices Soc, IEEE Romania Sect, Elect Device Chapter, Natl Inst Res Dev Microtehnologies IMT Bucharest, Romanian Acad, Electrochemical Soc Inc, Carl Zeiss Instruments SRL, Romania, ZEISS, SC SITEX 45 SRL, SITEX 45 SRL,</p>	15,00
A2.1.11	<p>Title: Practical Behavior of resonant converters in home applications</p> <p>Author(s): Ceuca, E (Ceuca, Emilian); Pop, O (Pop, Ovidiu); Taut, A (Taut, Adrian)</p> <p>Book Group Author(s): IEEE</p> <p>Source: 2013 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), VOLS 1-2</p> <p>Book Series: International Semiconductor Conference Pages: 293- 296 Published: 2013</p> <p>Accession Number: WOS:000330180800058</p> <p>Conference Title: 36th International Semiconductor Conference (CAS)</p> <p>Conference Date: OCT 14-16, 2013</p> <p>Conference Location: Natl Inst Res & Dev Microtechnologies, Sinaia, ROMANIA</p> <p>Conference Sponsors: Romanian Acad, IEEE, Electron Devices Soc, Minist Natl Educ, IEEE, Romania Sect, IEEE, Electron Devices Chapter, Electrochem Soc Inc, Ev Grp Europe & Asia Pacific GmbH, Raith GmbH, Carl Zeiss Instruments S R L, S C New Style Trans Prest S R L, Electrochem Soc Inc, European Local Sect</p> <p>Conference Host: Natl Inst Res & Dev Microtechnologies</p>	10,00
A2.1.12	<p>Title: Device Mismatch Analysis and Effect Compensation in Fundamental Analog Cells</p> <p>Author(s): Farago, P (Farago, Paul); Bogateanu, D (Bogateanu, Diana); Ceuca, E (Ceuca, Emilian); Moisa, C (Moisa, Claudia); Hintea, S (Hintea, Sorin)</p> <p>Book Group Author(s): IEEE</p> <p>Source: 2013 PROCEEDINGS OF THE 36TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 280- 285 Published: 2013</p> <p>Accession Number: WOS:000374113900053</p> <p>Conference Title: 36th International Spring Seminar on Electronics Technology</p> <p>Conference Date: MAY 08- 12, 2013</p> <p>Conference Location: Alba Iulia, ROMANIA</p> <p>ISSN: 21612528 ISBN: 9781479900367</p>	6,00

A2.1.13	<p>Title: Analysis and Simulation of LCLR Converters Author(s): Pop, O (Pop, Ovidiu); Taut, A (Taut, Adrian); Grama, A (Grama, Alin); Ceuca, E (Ceuca, Emilian) Book Group Author(s): IEEE Source: 2013 PROCEEDINGS OF THE 36TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 286- 289 Published: 2013 Accession Number: WOS:000374113900054 Conference Title: 36th International Spring Seminar on Electronics Technology Conference Date: MAY 08-12, 2013 Conference Location: Alba Iulia, ROMANIA ISSN: 21612528 ISBN: 9781479900367</p>	7,50
A2.1.14	<p>Title: The Power Quality Influence on the Reliability of PFC Capacitors Author(s): Tulbure, A (Tulbure, Adrian); Ceuca, E (Ceuca, Emilian); Farcas, C (Farcas, Cristian); Farcas, I (Farcas, Ioana) Book Group Author(s): IEEE Source: 2013 PROCEEDINGS OF THE 36TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 295- 298 Published: 2013 Accession Number: WOS:000374113900056 Conference Title: 36th International Spring Seminar on Electronics Technology Conference Date: MAY 08- 12, 2013 Conference Location: Alba Iulia, ROMANIA ISSN: 21612528 ISBN: 9781479900367</p>	6,00
A2.1.15	<p>Title: System for Energy Recovering with BLDC Motor at Deceleration Momentum Author(s): Taut, A (Taut, A.); Pop, O (Pop, O.); Ceuca, E (Ceuca, E.) Book Group Author(s): IEEE Source: 2013 PROCEEDINGS OF THE 36TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 299- 304 Published: 2013 Accession Number: WOS:000374113900057 Conference Title: 36th International Spring Seminar on Electronics Technology Conference Date: MAY 08- 12, 2013 Conference Location: Alba Iulia, ROMANIA ISSN: 21612528 ISBN: 9781479900367</p>	10,00
A2.1.16	<p>Title: Embedded System for Remote Monitoring of OBD Bus Author(s): Ceuca, E (Ceuca, E.); Tulbure, A (Tulbure, A.); Taut, A (Taut, A.); Pop, O (Pop, O.); Farkas, I (Farkas, I.) Book Group Author(s): IEEE Source: 2013 PROCEEDINGS OF THE 36TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 305- 308 Published: 2013 Accession Number: WOS:000374113900058 Conference Title: 36th International Spring Seminar on Electronics Technology Conference Date: MAY 08- 12, 2013 Conference Location: Alba Iulia, ROMANIA ISSN: 21612528 ISBN: 9781479900367</p>	6,00

A2.1.17	<p>Title: Standard and Customised Measurements for Wind Potential Assessment Author(s): Tulbure, A (Tulbure, Adrian); Ceuca, E (Ceuca, Emilian); Albu, M (Albu, Mihaela) Book Group Author(s): IEEE Source: 2012 IEEE INTERNATIONAL INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE (I2MTC) Book Series: IEEE Instrumentation and Measurement Technology Conference Pages: 865- 869 Published: 2012 Accession Number: WOS:000309449100163 Conference Title: IEEE International Instrumentation and Measurement Technology Conference (I2MTC) Conference Date: MAY 13-16, 2012 Conference Location: Graz, AUSTRIA Conference Sponsors: IEEE, IEEE Instrumentat & Measurement Soc, IEEE Austria Sect, TU Graz, Virtual Vehicle Competence Ctr, Obuda Univ, European Acad Sci & Arts, Austrian Acad Sci, Int Soc Petr Engineers, Drilling Syst Automat Tech Sect, Arbeitskreis Hochschullehrer Messtechnik e.V. (AHMT), Joanneum Res, Austrian Ctr Competence Mechatron (ACCM), Platform Artemis Austria ISSN: 10915281 ISBN: 9781457717710</p>	10,00
A2.1.18	<p>Title: The Battery Management in Green Energy Production Author(s): Ceuca, E (Ceuca, Emilian); Tulbure, A (Tulbure, Adrian); Plesa, S (Plesa, Simona) Book Group Author(s): IEEE Source: 2012 35TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE 2012): POWER ELECTRONICS Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 350-354 Published: 2012 Accession Number: WOS:000374111700067 Conference Title: 35th International Spring Seminar on Electronics Technology Power Electronics (ISSE) Conference Date: MAY 09-13, 2012 Conference Location: Bad Aussee, AUSTRIA Conference Sponsors: TU Wien, IEEE Compnents, Packaging, & Mfg Technol Soc ISSN: 21612528 ISBN: 9781467322409</p>	10,00
A2.1.19	<p>Title: Wind energy evaluation and solution for home applications Author(s): Ceuca, E (Ceuca, E.); Tulbure, A (Tulbure, A.); Ileana, I (Ileana, I.); Brezeanu, G (Brezeanu, Gh.); Covaciu, C (Covaciu, C.) Edited by: Schiopu P; Caruntu G Source: ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES V Book Series: Proceedings of SPIE The International Society for Optical Engineering Volume: 7821 Article Number: 78210P DOI: 10.1117/12.882380 Published: 2010 Accession Number: WOS:000287803900024 Conference Title: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies V Conference Date: AUG 26- 29, 2010 Conference Location: Constanta, ROMANIA Conference Sponsors: Politehnica Univ Bucharest, Optoelectron Res Ctr, Constanta Maritime Univ, SPIE ISSN: 0277786X ISBN: 9780819483300</p>	6,00

A2.1.20	<p>Title: The recognition of graphical patterns invariant to geometrical transformation of the models Authors: Ioan, I (Ioan, Ileana); Corina, R (Corina, Rotar); Maria, M (Maria, Muntean); Emilian, C (Emilian, Ceuca) Source: ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES V Book Series Title: Proceedings of SPIE-The International Society for Optical Engineering Volume: 7821 Article Number: 782123 DOI: 10.1117/12.882282 Accession Number: WOS:000287803900074 Published: 2010 Conference Title: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies V Conference Date: AUG 26-29, 2010 Conference Location: Constanta, ROMANIA ISSN: 0277-786X ISBN: 978-0-8194-8330-0</p>	7,50
A2.1.21	<p>Title: Experimental Stand for Research the Alternators Directions of Further Development Author(s): Ceuca, E (Ceuca, E.); Lungu, S (Lungu, S.); Tulbure, A (Tulbure, A.); Brezeanu, G (Brezeanu, Gh) Book Group Author(s): Transilvania Univ Brasov, Fac Elect Engn & Comp Sci Source: OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, PTS IIV Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 659 -664 DOI: 10.1109/OPTIM.2010.5510489 Published: 2010 Accession Number: WOS:000291967300094 Conference Title: 12th International Conference on Optimization of Electrical and Electronic Equipment Conference Date: MAY 20- 21, 2010 Conference Location: Brasov, ROMANIA Conference Sponsors: IEEE, IAS, IEEE, PELS, IEEE, IES ISSN: 18420133</p>	7,50
A2.1.22	<p>Title: Battery Charger Circuit Through Maximum Diferential Voltage Tracking Authors: T. Dachin,V. Iancu, C.M. Nemes, Emilian Ceuca Published: 2010 Accession Number: WOS:000419281500228 DOI: 10.1109/AQTR.2010.5520786 Conference Title : 2010 IEEE-TTTC International Conference on Automation, Quality&Testing, Robotics AQTR 2010 (THETA 17) - TOME III, Conference Date:28-30 May 2010; Cluj Napoca România; Electronic ISBN: 978-1-4244-6725-9 Print ISBN: 978-1-4244-6724-2 Indexare: Google scholar, IEEE - IEEEExplore-http://ieeexplore.ieee.org link articol: http://ieeexplore.ieee.org/document/5520786/</p>	7,50
A2.1.23	<p>Title: Experimental comparation of switching with IGBT and MOSFET Authors: A Tulbure, D. Thuschner, M Abrudean, Emilian Ceuca, R. Ormenisan Published: 2010 Accession Number: WOS:000419281500103 DOI: 10.1109/AQTR.2010.5520804 Conference Title : 2010 IEEE-TTTC International Conference on Automation, Quality&Testing, Robotics AQTR 2010 (THETA 17) - TOME III, Conference Date:28-30 May 2010; Cluj Napoca România; Electronic ISBN: 978-1-4244-6725-9 Print ISBN: 978-1-4244-6724-2 Indexare: Google scholar, IEEE - IEEEExplore-http://ieeexplore.ieee.org link articol: http://ieeexplore.ieee.org/abstract/document/5520804/</p>	7,50

A2.1.24	<p>Title: Digital technique of circuit's analyses Author(s): Ceuca, E (Ceuca, E.); Olteanu, E (Olteanu, E.); Joldes, R (Joldes, R.) Book Group Author(s): IEEE Source: 2007 30TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 571- 574 DOI: 10.1109/ISSE.2007.4432922 Published: 2007 Accession Number: WOS:000255232500112 Conference Title: 30th International Spring Seminar on Electronics Technology Conference Date: MAY 09-13, 2007 Conference Location: Cluj Napoca, ROMANIA ISBN: 9781424412174</p>	10,00
A2.1.25	<p>Title: Extended voltage level in automotive Simulation approach Author(s): Ceuca, E (Ceuca, E.); Olteanu, E (Olteanu, E.); Joldes, R (Joldes, R.) Book Group Author(s): IEEE Source: 2007 30TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY Book Series: International Spring Seminar on Electronics Technology ISSE Pages: 575-578 DOI: 10.1109/ISSE.2007.4432923 Published: 2007 Accession Number: WOS:000255232500113 Conference Title: 30th International Spring Seminar on Electronics Technology Conference Date: MAY 09- 13, 2007 Conference Location: Cluj Napoca, ROMANIA ISBN: 9781424412174</p>	10,00
A2.1.26	<p>Title: Simulation of automotive alternator solution for increasing electrical power Author(s): Ceuca, E (Ceuca, E.); Joldes, R (Joldes, R.); Olteanu, E (Olteanu, E.) Edited by: Miclea L; Stoian I Source: 2006 IEEEETTTC INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, VOL 1, PROCEEDINGS Pages: 292-296 Published: 2006 Accession Number: WOS:000241459500054 Conference Title: IEEEETTTC International Conference on Automation, Quality and Testing, Robotics Conference Date: MAY 25- 28, 2006 Conference Location: Cluj Napoca, ROMANIA Conference Sponsors: IEEE Comp Soc, TTTC, Romanian Govt, Minist Educ & Res, Tech Univ Cluj Napoca, IPA R&D Inst Automat, Ctr Technol Transfer Cluj Napoca, Romanian Soc Control Engn & Tech Informat, Romanian Acad Tech Sci, Univ Girona, Iuliu Hatieganu Univ Med & Pharm ISBN: 142440360X</p>	10,00

A2.1.27	<p>Title: Modelling, simulation and identifications of synchronous generator transfer functions Author(s): Ceuca, E (Ceuca, E); Lungu, S (Lungu, S); Achim, MI (Achim, MI) Edited by: Hamza MH Source: Proceedings of the IASTED International Conference on Applied Simulation and Modelling Pages: 47-52 Published: 2004 Accession Number: WOS:000228521700009 Conference Title: IASTED International Conference on Applied Simulation and Modelling Conference Date: JUN 28- 30, 2004 Conference Location: Rhodes, GREECE Conference Sponsors: Int Assoc Sci & Technol Dev ISBN: 0889863970</p>	10,00
A2.1.28	<p>Title: On the using of CGH for artificial neurons interconnection Author(s): Ileana, L (Ileana, L); Iancu, CO (Iancu, CO); Ceuca, E (Ceuca, E); Rotar, C (Rotar, C) Edited by: Iancu O; Manea A; Cojoc D Source: ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES Book Series: PROCEEDINGS OF THE SOCIETY OF PHOTOOPTICAL INSTRUMENTATION ENGINEERS (SPIE) Volume: 5227 Pages: 170-177 Published: 2002 Accession Number: WOS:000186473500023 Conference Title: Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies Conference Date: NOV 21-23, 2002 Conference Location: BUCHAREST, ROMANIA Conference Sponsors: Univ Politehn Bucharest, Opt Elect Res Ctr, SPIE Romania Chapter, Int Commiss Opt, TASC, INFM Natl Lab, Romanian Minist Educ & Res, Electromagnet Goldstar S R L ISSN: 0277786X ISBN: 0819451002</p>	10,00
2	<p>Activitatea de Factor de impact cumulat - 7,119</p>	<p>Sub-total ISI: nr. 1-28 255,48</p>
cercetare (A2)	<p>Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI) Reviste gasite în BDI specificate.</p>	<p>BDI A2.2 20 / nr.de autori</p>
A2.2.1	<p>Tulbure, A., Albu, M., Ceuca E, <i>Assessing Wind Energy Potential for Power Grid Injections</i>, Revista Energetica. Series: Smart Grid, No.1-2/2011, pag. 12-17, Categoria B+ , recunoscuta CNC SIS(indexata BDI) link revista: http://ire.ro/assets/documents/2011/ (dovada in dosar)</p>	6,67
A2.2.2	<p>Georgiana Corsiuc, Carmen Marza, Emilian Ceuca, Raluca Andreea Felseghi, Teodora Soimosan, Hybrid Solar-Wind Stand-Alone Energy System: A Case Study, Revista Applied Mechanics and Materials. Volume 772. Pag. 536-540, DOI: 10.4028/www.scientific.net/AMM.772.536 Indexare: Scopus, Google Scholar, link articol: https://www.scientific.net/AMM.772.536</p>	4,00

A2.2.3	<p>Maria Muntean, Honoriu Valean, Remus Joldes, Emilian Ceuca-FEATURE SELECTION FOR CLASSIFIER ACCURACY IMPROVEMENT,Acta Universitatis Apulensis ISSN: 1582-5329 No. 26/2011 pp. 203-216 Categoria B+ , recunoscuta CNCISIS(indexata BDI) Indexed and reviewed by Mathematical Reviews and Zentralblatt für Mathematik link articol: http://auajournal.uab.ro/upload/25_792_Paper22-Acta26-2011.pdf</p>	5,00
Conferințe găsite în BDI specificate.		
A2.2.4	<p>Title: Pspice Discharge Model for Simulation Circuits with Lead-Acid Battery Author(s): Pop, O (Pop, Ovidiu); Taut, A (Taut, Adrian), Grama A (Grama Alin), Fizesan, R (Fizesan, Raul); ; Ceuca, E (Ceuca, Emilian) Book Group Author(s): IEEE Source: 2017 40TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Published: 2017 Accession Number: DOI: 10.1109/ISSE.2017.8000943 Conference Title: 40h International Spring Seminar on Electronics Technology (ISSE) Conference Date: MAY 10-14, 2017, Conference Location: Sofia, BULGARIA ISSN: 21612536 ISBN: 9781509013890 Indexare IEEE, Scopus, ISI(in curs de indexare), Google Scholar, link articol: http://ieeexplore.ieee.org/document/8000943/</p>	4,00
A2.2.5	<p>Title: New Trands of Power Electronics for Washing Machines Author(s): Ceuca, E (Ceuca, Emilian),Pop, O (Pop, Ovidiu); Pocan I (Pocan Ioan) Book Group Author(s): IEEE Source: 2017 40TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Published: 2017 Accession Number: DOI: 10.1109/ISSE.2017.8000962 Conference Title: 40h International Spring Seminar on Electronics Technology (ISSE) Conference Date: MAY 10-14, 2017, Conference Location: Sofia, BULGARIA ISSN: 21612536 ISBN: 9781509013890 Indexare IEEE, Scopus, ISI(in curs de indexare), Google Scholar, link articol: http://ieeexplore.ieee.org/document/8000962/</p>	6,67
A2.2.6	<p>Title: Practical Behaviour and Technology Challenges for Smart Home Author(s): Ceuca, E (Ceuca, Emilian), Corsiuc, G (Corsiuc, Georgiana); Gavrilă I (Gavrilă, Ionela) Book Group Author(s): IEEE Source: 2017 40TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics Technology ISSE Published: 2017 Accession Number: DOI: 10.1109/ISSE.2017.8000964 Conference Title: 40h International Spring Seminar on Electronics Technology (ISSE) Conference Date: MAY 10-14, 2017, Conference Location: Sofia, BULGARIA ISSN: 21612536 ISBN: 9781509013890 Indexare IEEE, Scopus, ISI(in curs de indexare), Google Scholar, link articol: http://ieeexplore.ieee.org/document/8000964/</p>	6,67

A2.2.7	<p>Title: Electronically Controlled Hexapod Prototype for emergency situations. Authors: Adrian Tulbure, Emilian Ceuca, Adrian Ilea, Published: 2017 Accession Number: DOI: 10.1109/ECAI.2017.8166475 Conference Title: 9th international conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE, ECAI 2017, Conference Date: June 29– July 01, 2017 Conference Location: Targoviste, ROMANIA Electronic ISBN: 978-1-5090-6458-8 Print ISBN: 978-1-5090-6457-1 USB ISBN: 978-1-5090-6456-4 Indexare IEEE, Scopus, ISI(in curs de indexare), Google Scholar, link articol: http://ieeexplore.ieee.org/document/8166475/</p>	6,67
A2.2.8	<p>Title: Home Automations for Increasing the Quality of Life and Integration with the Smart City. Authors: Emilian Ceuca, Adrian Tulbure Published: 2017 Accession Number: DOI: 10.1109/ECAI.2017.8166440 Conference Title: 9th international conference on ELECTRONICS, COMPUTERS and ARTIFICIAL INTELLIGENCE, ECAI 2017, Conference Date: June 29– July 01, 2017 Conference Location: Targoviste, ROMANIA Electronic ISBN: 978-1-5090-6458-8 Print ISBN: 978-1-5090-6457-1 USB ISBN: 978-1-5090-6456-4 Indexare IEEE, Scopus, ISI(in curs de indexare), Google Scholar, link articol: http://ieeexplore.ieee.org/document/8166440/</p>	10,00
A2.2.9	<p>Title: Development of the interfaces to simulate power converters for the correct choice of components used in the automotive industry, Authors: Emilian CEUCA, Gh. Brezeanu Published: 2017 Accession Number: DOI: 10.1109/SMICND.2017.8101215 Conference Title: International Semiconductor Conference (CAS), 2017 Conference Date: October 11 -14, 2017 Conference Location: Sinaia, ROMANIA Electronic ISBN: 978-1-5090-3985-2 Indexare IEEE, Scopus, ISI(in curs de indexare), Google Scholar, link articol: http://ieeexplore.ieee.org/document/8101215/</p>	10,00
A2.2.10	<p>Title: Practical Behavior of DC-DC Converters in Home Applications - Induction Hob Authors: Emilian Ceuca, Adrian Tulbure Published: 2012 Accession Number: DOI 10.1109/SIITME.2012.6384354 Conference Title : SIITME2012 – 18th International Symposium for Design and Technology of Electronics Packages SIITME2012, Conference Date: 25-28 September 2012, Alba Iulia, Romania, book ISBN : 978-1-4673-4757-0 book e-ISBN : 978-1-4673-4760-0, Indexare, Google scholar, IEEE - IEEEExplore-http://ieeexplore.ieee.org link articol: http://ieeexplore.ieee.org/document/6384354/</p>	10,00
A2.2.11	<p>Title: Practical Behavior of Modern Capacitors for Power Factor Correction, Authors: Adrian Tulbure, V. Popa, Emilian Ceuca, Published: 2012 Accession Number: DOI 10.1109/SIITME.2012.6384342 Conference Title : SIITME2012 – 18th International Symposium for Design and Technology of Electronics Packages SIITME2012, Conference Date: 25-28 September 2012, Alba Iulia, Romania, book ISBN : 978-1-4673-4757-0 book e-ISBN : 978-1-4673-4760-0, Indexare, Google scholar, IEEE - IEEEExplore-http://ieeexplore.ieee.org link articol: http://ieeexplore.ieee.org/document/6384342/</p>	6,67

A2.2.12	<p>Title: Integrated monitoring system for tracking green energy production Authors: Emilian Ceuca, Adrian Tulbure, Simona Plesa, Published: 2011 Accession Number: DOI 10.1109/SIITME.2011.6102706 Conference Title : SIITME2011 – 17th International Symposium for Design and Technology of Electronics Packages SIITME2011, Conference Date: 20-23 September 2011, Timisoara, Romania Electronic ISBN: 978-1-4577-1277-7 Print ISBN: 978-1-4577-1276-0 , Indexare, Google scholar, IEEE - IEEEXplore-http://ieeexplore.ieee.org link articol:http://ieeexplore.ieee.org/document/6102706/</p>	6,67
A2.2.13	<p>Title: Electrical Behaviour of a Power Unit at the Limits of the Nominal Range, Authors: Adrian Tulbure, Emilian Ceuca, Ioan Ileana Published: 2011 Accession Number: 10.1109/SIITME.2011.6102701 Conference Title : SIITME2011 – 17th International Symposium for Design and Technology of Electronics Packages SIITME2011, Conference Date: 20-23 September 2011, Timisoara, Romania Electronic ISBN: 978-1-4577-1277-7 Print ISBN: 978-1-4577-1276-0 , Indexare, Google scholar, IEEE - IEEEXplore-http://ieeexplore.ieee.org link articol:http://ieeexplore.ieee.org/document/6102701/</p>	6,67
A2.2.14	<p>Title: The Evaluation of Regenerative Braking Energy. Authors: Emilian Ceuca , A. Tulbure , M. Risteiu Published: 2010 Accession Number: DOI 10.1109/SIITME.2010.5653739 Conference Title : SIITME2010 – 16th International Symposium for Design and Technology of Electronics Packages SIITME2010, Conference Date: 23-26 September 2010, Pitesti, Romania Electronic ISBN: 978-1-4244-8124-8 Print ISBN: 978-1-4244-8123-1 , Indexare, Google scholar, IEEE - IEEEXplore-http://ieeexplore.ieee.org link articol: http://ieeexplore.ieee.org/document/5653739/</p>	6,67
A2.2.15	<p>Title: EDLC Characterization Platform Authors: A Vasile, P. Svasta, A Brodeala, C Marghescu, C. Ionescu, Emilian Ceuca Published: 2010 Accession Number: DOI 10.1109/SIITME.2010.5650799 Conference Title : SIITME2010 – 16th International Symposium for Design and Technology of Electronics Packages SIITME2010, Conference Date: 23-26 September 2010, Pitesti, Romania Electronic ISBN: 978-1-4244-8124-8 Print ISBN: 978-1-4244-8123-1 , Indexare, Google scholar, IEEE - IEEEXplore-http://ieeexplore.ieee.org link articol: http://ieeexplore.ieee.org/document/5650799/</p>	3,33
A2.2.16	<p>Title: Experimental Research in Simulation of a automotive alternators and solutions for extend voltage level, Authors: Emilian Ceuca, Adrian Tulbure, Ioan Ileana Published: 2009 Accession Number: DOI 10.1109/SIITME.2009.5407369 Conference Title : SIITME2009 – 15th International Symposium for Design and Technology of Electronics Packages SIITME2009, Conference Date: 17-20 September 2009, Gyula Hungary Print ISBN: 978-1-4244-5132-6 CD-ROM ISBN: 978-1-4244-5133-3 , Indexare, Google scholar, IEEE - IEEEXplore-http://ieeexplore.ieee.org link articol: http://ieeexplore.ieee.org/document/5407369/</p>	6,67

A2.2.17	Title: Study from implementing algorithms for face detection and recognition for embedded systems Authors: Emilian Ceuca , A. Tulbure, O Domșa, C. Covaciu Published: 2010 Accession Number: DOI: 10.1109/AQTR.2010.5520726 Conference Title : 2010 IEEE-TTTC International Conference on Automation, Quality&Testing, Robotics AQTR 2010 (THETA 17) - TOME III, Conference Date:28-30 May 2010; Cluj Napoca, România; Electronic ISBN: 978-1-4244-6725-9 Print ISBN: 978-1-4244-6724-2 Indexare, Google scholar, IEEE - IEEEXplore- http://ieeexplore.ieee.org link articol: http://ieeexplore.ieee.org/document/5520726/			6,25	
A2.2.18	Title: Educational platform GUI for modeling and simulation of dc-dc half wave resonant converters Authors: Emilian Ceuca , Adrian Tulbure, Lucia Cabulea, T. Dachin. Published: 2010 Proceedings of The 14th International Conference on Circuits and Sistems (Part of 14th WSEAS CSS International Multiconferences) Conference Date: 22-24 July 2010, Kerkyra (Corfu), Greece, ISBN:978-960-474-198-4, ISSN: 1792-4227; Indexare: Google scholar, WSEAS, acedemia.edu, link articol: http://www.academia.edu/download/43557453/Educational_platform_GUI_for_modeling_an20160309-15620-1813d61.pdf			6,25	
A2.2.19	Title: Educational platform GUI for modeling and simulation of dc-dc resonant converters Authors: Emilian Ceuca , Adrian Tulbure, Lucia Cabulea, Ioan Ileana Published: 2009 (MMACTEE 09) Proceedings of The 11th International Conference on MATHEMATICAL METHODS AND COMPUTATIONAL TECHNIQUES IN ELECTRICAL ENGINEERING, Conference Date: 28-30 September 2009, Athena, Greece ISBN:970-960-474-124-3 ISSN: 1790-2769 Indexare: Google scholar, WSEAS, acedemia.edu, researchgate.net link articol: https://www.researchgate.net/profile/Ioan_Ileana/publication/228348892_Educational_platform_GUI_for_modeling_and_simulation_of_dc-			5,00	
A2.2.20	Title: Procedure to Reduce Conducted Emissions Generated by Corona Electroseparator Authors:Ioan Pocan, R Morar, Adrian Tulbure, Emilian Ceuca , O Munteanu Published: 2012 Proceedings of The SATEE 2012 Conference, Conference Date: 28-30 Octombrie 2012, Alba Iulia Indexare: Google scholar, researchgate.net link articol: http://satee.uab.ro/ups/SATEE2012.pdf#page=33			4,00	
Sub-total BDI: nr.1-22				127,83	
Proprietate intelectuală, brevete de invenție, certificate			A2.3.1	internaționale	35 / nr.de autori
Sub-total				0	
Proprietate intelectuală, brevete de invenție, certificate ORDA			A2.3.2	naționale	25 / nr.de autori
				0	

				Sub-total	0
	Granturi / proiecte câștigate prin competiție	Director/ responsabil	A2.4.1.1	internationale	20*ani desfasurare
A.2.4.1.1.1	Contractul de Cercetare – Dezvoltare si Consultanta nr. 185 /25.03.2016 CONTINENTAL AUTOMOTIVE & RESEARCH CENTER CONTINENTAL TOULOUSE / Act Aditional 1 + Act Aditional Nr. 2 + Act Aditional 3 + Act Aditional Nr. 4 („FMEDA-failure mode and element diagnose analyze”) RENAULT - BCM (Body control module C1_A _) - 2016,2017,2018- valoare 226500 RON , (aprox 50.000 Euro)				60
A.2.4.1.1.2.	Contract 243/4.10.2007 „ <i>Number of imaging technology for embedded aplications</i> ”, ISSEMEDIA, Canada, Ontario, 2007-2008 valoare aprox 3500 Euro				20
				Sub-total	80
	Granturi / proiecte câștigate prin competiție	Director/ responsabil	A2.4.1.2	naționale	10*ani desfasurare
A2.4.1.2.1	Contract de Cercetare Dezvoltare si Consultanță MIELE TEHNICA 378/ PERIOADA 2016 - 2021 (VALOARE 12000 euro). Obiectul contractului: O1. Dezvoltare experimentală a unui circuit pentru recuperarea energiei din masinile de spalat Miele tolosind supercapacitori. O2. Realizarea unui sistem Automat/ Manual de testare si inregistrare stare a unității de comandă EDW 8503, EDW8513 si EDW8503/81 fără carcasă				50
A2.4.1.2.2	Contractul de Cercetare – Dezvoltare si Consultanta nr. 213/15.04.2015 _ Act Aditional Nr. 2 CONTINENTAL AUTOMOTIVE (Nr. Beneficiar 8602 /15.05.2015 „FMEDA-failure mode and element diagnose analyze) 2015,2016 (Platforma Nissan NewCMF1) Valoare (15000 Euro)				20
A2.4.1.2.3	RAEL - Retea Academica de e-Learning 2010 - Membru in Echipa De Management (Responsabil Achizitii) 2010,2011 valoare contract 6.315.359 RON				20
A2.4.1.2.4	Contract de cercetare nr. 45/30.03.2007 – „ <i>Realizarea unui sistem inteligent de diagnoza pentru monitorizarea de la distanță a parametrilor auto</i> ” – pentru WSCOMM Cluj Napoca , valoare contract 1400 Euro				10
A2.4.1.2.5	Contract de cercetare nr. 69/27.04.2007 – „ <i>Studiul privind fluxul tehnologic in statia de tratare Sebesel</i> ” – pentru S.C. APA C.T.T.A. Alba Iulia , valoare contract 1000 Euro				10
				Sub-total Proiecte - ca director/responsabil de proiect	110
	Granturi / proiecte câștigate prin competiție	Membru în echipă	A2.4.2.1	internationale	4*ani desfasurare
A.2.4.2.1.1	Contract de Cercetare și Consultanță 22379/8.11.2006 , cu partener extern: CONTINENTAL AG Nurenberg, GERMANIA 2006-2014, Testarea si intretinerea echipamentelor electronice din industria auto, perioada desfasurare 2006-2014 , valoare de 150000 EURO/an, Emilian Ceuca – membru in echipa.				32
A.2.4.2.1.2	Experimental research for estimating the wind energetic potential in Alba County (location indicated by beneficiary). Contract nr.285/04.09.2009 incheiat cu compania IWC Germania Val. 21.500 EURO, Emilian Ceuca – membru in echipa. Act additional nr. 1/12.04.2010 la Contract nr.285/04.09.2009 , Emilian CEUCA, membru in echipa de cercetare. (val.15.800 euro).				8
				Sub-total - participant la proiecte internationale	40
	Granturi / proiecte câștigate prin competiție	Membru în echipă	A2.4.2.2	naționale	2*ani desfasurare

A2.4.2.2.1	CONTRACTUL DE CERCETARE 1/4.1.2010 ,SIEMENS SB, " <i>Masurari experimentale, bilantare si audit energetic complex pentru consumatorii importanti din cadrul SC SIEMENS SIBIU SRL locatia Sibiu</i> ". Contract nr. 01/04.01.2010, încheiat cu agentul economic SIEMENS Industrial Manufacturing Engineering and Applications SIMEA Srl, valoare 14.137,20 lei		2
A2.4.2.2.2	CONTRACTUL DE CERCETARE 54/25.06.2010 CT APA ARAD, valoare contract 11660 Ron		2
A2.4.2.2.3	POSDRU 156/1.2./G/137166 "Oameni inteligenți pentru orase inteligente - <i>Adaptarea programelor de studiu în domeniile electronicii aplicate, informaticii și ingineriei mediului la cerințele secolului 21</i> " <i>Expert monitorizare activitate studenți laboratoare</i> CIM 3508/30.09.2014		2
	Sub-total - participant la proiecte naționale		6
28 ISI; 7 Proiecte-Director/Responsabil; FI cumulat = 7,119			Total indicator A2
619,31			
	<i>Citări în cărți, reviste cu ISSN din ISI și volume ISI ale unor manifestări științifice cu specificare indice WOS al articolului ISI care citează.</i>	A3.1.1	<i>cărți, ISI</i>
			8 / nr aut art.citat
A3.1.1.1	Book Title Decreasing Fuel Consumption and Exhaust Gas Emissions in Transportation, author: M Palocz-Andresen , Chapter Decreasing Fuel Consumption and Exhaust Gas Emissions in Transportation Part of the series Green Energy and Technology pp 121-134 , Publisher Springer Berlin Heidelberg , Copyright 2013 DOI 10.1007/978-3-642-11976-7_8 Print ISBN 978-3-642-11975-0 Online ISBN 978-3-642-11976-7, REFERENCE 38		8
A3.1.1.2	Marghescu, C., & Drumea, A. (2015, February). Modelling and simulation of energy harvesting with solar cell. In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2014 (pp. 92582L-92582L). International Society for Optics and Photonics. Proc. SPIE 9258, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VII, 92582L (February 21, 2015); doi:10.1117/12.2072305		4
A3.1.1.3	Plotog, I., & Vladescu, M. (2015, February). Power LED efficiency in relation to operating temperature. In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2014 (pp. 92582O-92582O). International Society for Optics and Photonics. Proc. SPIE 9258, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VII, 92582O (February 21, 2015); doi:10.1117/12.2072276		4
A3.1.1.4	Drumea, A., & Dobre, R. A. (2014, October). Modelling, simulation and testing of an autonomous embedded system supplied by a photovoltaic panel. In Design and Technology in Electronic Packaging (SIITME), 2014 IEEE 20th International Symposium for (pp. 309-312). IEEE. 10.1109/SIITME.2014.6967014		4
A3.1.1.5	Plotog, I. (2015, February). Investigations on electroluminescent tapes and foils in relation to their applications in automotive. In Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2014 (pp. 925825-925825). International Society for Optics and Photonics. Proc. SPIE 9258, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VII, 925825 (February 21, 2015); doi:10.1117/12.2072293		4
A3.1.1.6	Dobre, R. A., & Codreanu, N. D. (2013, May). UV laboratory platform for treatment of photosensitive materials. In Electronics Technology (ISSE), 2013 36th International Spring Seminar on (pp. 432-435). IEEE.10.1109/ISSE.2013.6648288		1,6

A3.1.1.7	Mihailescu, B., Bonea, A., Brodeala, A., Vasile, A., & Svasta, P. (2012, November). Hybrid supercapacitor-battery electric system for powering an electric motor. In <i>Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2012</i> (pp. 841115-841115). International Society for Optics and Photonics. Proc. SPIE 8411, <i>Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VI</i> , 841115 (November 1, 2012);	1,6
A3.1.1.8	Jang, S. R., Ryoo, H. J., Goussev, G., & Rim, G. H. (2012). Comparative study of MOSFET and IGBT for high repetitive pulsed power modulators. <i>Plasma Science, IEEE Transactions on</i> , 40(10), pages: 2561-2568. 10.1109/TPS.2012.2186592	1,6
A3.1.1.9	Bhat, A. Analysis of Ripple content in DC-DC converter. <i>International journal of Inventive Engineering and Science</i> , 1.	1,6
A3.1.1.10	Vladescu, M., & Schiopu, P. (2015, February). Advanced educational program in optoelectronics for undergraduates and graduates in electronics. In <i>Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2014</i> (pp. 92580B-92580B). International Society for Optics and Photonics.	1,6
A3.1.1.11	Adrian Ioan Lita, Laurentiu Mihai Ionescu, Alin Gheorghita Mazare, Gheorghe Serban, and Ioan Lita, Real Time System for Instrumental Sound Extraction and Recognition, Source: 2016 39TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book Series: International Spring Seminar on Electronics	1,6
A3.1.1.12	Alin Mazare ; Laurentiu-Mihai Ionescu ; Adrian-Ioan Lita ; Gheorghe Serban ; Marin Ionut, Mobile system with real time route learning using Hardware Artificial Neural Network, 2015 7th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Date of Conference: 25-27 June 2015	1,6
A3.1.1.13	Farcas, C., Cosma, A., Palaghita, N., Grama, A., Gabor, M. S., & Tiusan, C. (2014, October). Development of a non-contact angular transducer. In <i>Design and Technology in Electronic Packaging (SIITME), 2014 IEEE 20th International Symposium for</i> (pp. 187-191). IEEE. 10.1109/SIITME.2014.6967025	1,6
A3.1.1.14	Martis, J., & Vorel, P. (2014, December). Apparatus for induction heating 2.5 kW using a series resonant circuit. <i>Mechatronics-Mechatronika (ME)</i> , 2014 16th International Conference (pp. 130-135). IEEE. 10.1109/MECHATRONIKA.2014.7018247	2
A3.1.1.15	Helmbrecht, M., Olaverri-Monreal, C., Bengler, K., Vilimek, R., & Keinath, A. (2014). How electric vehicles affect driving behavioral patterns. <i>Intelligent Transportation Systems Magazine, IEEE</i> , 6(3), 22-32.	2,666666667
A3.1.1.16	Risteiu, M., Ileana, I., Marc, G., & Sofalca, I. (2015, February). Smart power supply system for LED street lighting. In <i>Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies 2014</i> (pp. 925821-925821). International Society for Optics and Photonics.	2,666666667
A3.1.1.17	Mihai G. Vidrascu ; Paul Svasta ; Marian Vladescu, Maintenance-free super-capacitor-based WSN power supply, Proc. SPIE 10010, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII , 100101F (December 14, 2016); doi:10.1117/12.2246114	4
A3.1.1.18	Sergio Saponara, , Giuseppe Pasetti, Francesco Tinfena, Luca Fanucci and Paolo D'Abramo, HV-CMOS design and characterization of a smart rotor coil driver for automotive alternators, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, VOL. 60, NO. 6, JUNE 2013, pag.2309-2317	2
A3.1.1.19	N. Papanikolaou, M. Loupis, N. Spiropoulos, E. Mitronikas, E. Tatakis, C. Christodoulou, V. Zarika, T. Tsiftsis, On the investigation of energy saving aspects of commercial lifts, Energy Efficiency Journal , Volumes 10 Issues 45, pages 1-12, Impact Factor 1.183 ISSN: 1570-646X (Print) 1570-6478 (Online) First Online: 24 November 2016, DOI: 10.1007/s12053-016-9495	2,666666667
A3.1.1.20	Kirti, Manish Kumar Thukral and Vishnu Goyal, Implementation of Algebraic Method Based Selective Harmonic Elimination of Multilevel Inverter Using Artificial Neural Networks, <i>International Journal of Electronics Engineering Research</i> . ISSN 0975-6450 Volume 9, Number 4 (2017) pp. 467-482 © Research India Publications	4
A3.1.1.21	Maria V. Filimon- SECURING THE ACCESS, QUERYING AND SYNCHRONIZING THE DISTRIBUTED DATABASES USING ARTIFICIAL INTELLIGENCE TECHNIQUES Teza de doctrat UTCN	2
A3.1.1.22	Maria V. Filimon- SECURING THE ACCESS, QUERYING AND SYNCHRONIZING THE DISTRIBUTED DATABASES USING ARTIFICIAL INTELLIGENCE TECHNIQUES Teza de doctrat UTCN	2
		60,80

	<i>Citări în reviste și volume ale unor manifestări științifice BDI, cu specificarea BDI a articolului care citează.</i>	A3.1.2	BDI	4 / nr aut art.citat
A3.1.2.1	Shrud, M. A., Bousbaine, A., Ashur, A. S., Thorn, R., & Kharaz, A. (2007, June). 42V power system architecture development. In Automotive Electronics, 2007 3rd Institution of Engineering and Technology Conference on (pp. 1-17). IET.			1,333333333
A3.1.2.2	Shrud, M., Bousbaine, A., Elazrag, A., & Benamrouche, N. (2009, September). Analysis and simulation of a 42V power system for automotive applications. In Universities Power Engineering Conference (UPEC), 2009 Proceedings of the 44th International (pp. 1-5). IEEE.			1,333333333
A3.1.2.3	Barz, C., & Oprea, C. (2010). Contributions to the tridimensional analysis of electromagnetic field in claw-poles alternator. Journal of Electrical & Electronics Engineering, 3(1).			1,333333333
A3.1.2.4	Barz, C., Oprea, C., & Dragan, F. (2012). Numerical modeling of claw-poles alternator. Carpathian Journal of Electronic and Computer Engineering, 5(9), 2012.			1,333333333
A3.1.2.5	Hao, L., & Namuduri, C. (2009, September). Modeling of an alternator using Stand Still Frequency Response Test. In Vehicle Power and Propulsion Conference, 2009. VPPC'09. IEEE (pp. 1541-1546). IEEE.			1,333333333
A3.1.2.6	Nagashima, N. O. R. I. O., Nishimura, R. Y. O. M. A., Ochiai, R. Y. U. T. A., Fujita, G. O. R. O., & FUKADA, T. (2007). Construction of Highly-Accurate Simulation Model in Automobile's Power System. In Proceedings of the 7th WSEAS International Conference on Electric Power Systems, High Voltages, Electric Machines (pp. 334-340).			1,333333333
A3.1.2.7	Barz, C., & Oprea, C. (2010, November). Study of electromagnetic field in claw-poles alternator. In International Symposium on Advanced Engineering and Applied Management—40th Anniversary in Higher Education, CD (pp. 2-4).			1,333333333
A3.1.2.8	Bousbaine, A., Kharaz, A. H., & Shrud, M. A. DEVELOPMENT OF AUTOMOTIVE DC/DC CONVERTER BASED CENTRALISED ARCHITECTURE.			1,333333333
A3.1.2.9	Barz, C., & Oprea, C. (2011). The theoretical and experimental study of claw pole alternators. Carpathian Journal of Electronic & Computer Engineering, 4(1).			1,333333333
A3.1.2.10	Le, Z., Li, K., Ye, J., & Xu, X. (2014). Optimizing the train timetable for a subway system. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 0954409714524377.			1,333333333
A3.1.2.11	Melis, W. J., & Chishty, O. (2013). Fully regenerative braking and improved acceleration for electrical vehicles. International Journal of Sustainable Energy Development (IJSED), 2(1-2), 75-80.			1,333333333
A3.1.2.12	Blahynka, R. (2014). Design nákladního automobilu s elektrickým pohonem (Doctoral dissertation, Vysoké učení technické v Brně. Fakulta strojního inženýrství). Master PhD, 2014			1,333333333
A3.1.2.13	Waled M. Elsayed, Jorge O. Estima, Chiara Boccaletti, Antonio J. Marques Cardoso, "Energy management strategy of a propulsion system with supercapacitors for electric and hybrid vehicles", Power Electronics and Motion Control Conference (PEMC) 2016 IEEE International, pp. 1210-1215,			1,333333333
A3.1.2.14	Shuvomoy Das Gupta, Lacro Pavel, J. Kevin Tobin, "An optimization model to utilize regenerative braking energy in a railway network", American Control Conference (ACC) 2015, pp. 5919-5924, 2015.			1,333333333
A3.1.2.15	Shuvomoy Das Gupta, J. Kevin Tobin, Lacro Pavel, "A Robust Mixed Integer Optimization Model to Utilize Regenerative Energy of Trains in a Railway Network", Cornell State University, 7 Jul 2015			1,333333333
A3.1.2.16	Vasilica A. Berechet ; Laurențiu M. Ionescu ; Alin Gh. Mazăre ; Ioan Liță ; Adrian-Ioan I. Liță, Real time PCB diagnosis using FPGA - implemented video analysis tool,2015 IEEE 21st International Symposium for Design and Technology in Electronic Packaging (SIITME),Date of Conference: 22-25 Oct.			0,8
A3.1.2.17	LM Ionescu, N Belu, N Rachieru, AG Mazăre and D-C Anghel, Monitoring of manufacturing processes in the automotive industry using indoor location system, ModTech International Conference - Modern Technologies in Industrial Engineering IV IOP Publishing			0,8

A3.1.2.18	Ciprian Ionescu ; Alexandru Vasile ; Rodica Negroiu, Accurate modeling of supercapacitors for DC operation regime, 2015 IEEE 21st International Symposium for Design and Technology in Electronic Packaging (SIITME), Date Added to IEEE Xplore: 03 December 2015INSPEC Accession Number:				0,8		
A3.1.2.19	M AMODIO, M POLENGHI, BESS USED TO SUPPORT RENEWABLES INTEGRATION THROUGH THE PROVISION OF ANCILLARY SERVICES, POLITECNICO DI MILANO, Scuola di Ingegneria Industriale e dell'Informazione, Corso di Laurea Magistrale in Ingegneria Elettrica 2015				0,8		
A3.1.2.20	Aimola, Richard O., Canono, Dan Charles Jermaine A., Garcia, John Nicko Noel V. March, "Design, Fabrication, and Testing of Flywheel Kinetic Energy Storage and Regenerative Braking System on a Bicycle" A Thesis Presented to the School of Mechanical and Manufacturing Engineering Mapua Institute				1,333333333		
					24,53333333		
3	Recunoasterea	Prezentări invitate în plenul unor manifestări științifice internaționale și Profesor invitat	Punctaj unic pentru fiecare activitate	A3.2.1	internaționale	10	
		Profesor Invitat la Eurotraining (GA No:316526) Train of the Trainers in NanoTechnology for Electronics, Eggher, 7 Mai 2015					10
		Profesor Invitat proiectul TRH 2,2 IQVETII&P-03 IQVET (EuropeAid7133086/M/ACT/TR) 148 la Technology Faculty of Amasya University in Turkey, Amasya 12.06.2015					10
		Profesor Invitat proiectul CIII -RS -0507-04-1415 Research, Development and Education in Precision Machining University of Novi SAD, Faculty of Science , period: 1.11.2014-30.11.2014, Novi SAD					10
		subtotal					30
		Prezentări invitate în plenul unor manifestări științifice naționale și Profesor invitat	Punctaj unic pentru fiecare activitate	A3.2.2	naționale	5	
		Profesor Invitat la Conferinta Nationala si Expozitia de Energetica CNEE 2011, SINAIA 26-28 Octombrie 2011, si sustinerea temei: "Solutie inovativa de alimentare cu energie a Unei ferme ecologice", SINAIA 26-28 Octombrie 2011					5
		Profesor Invitat la Workshop – EMOBILITY WORKS, Workshop de lansare e-mobilitate în Alba Iulia, Alba Iulia 27.11.2014, si sustinerea prezentarii "Realizarea unui controler inteligent pentru biciclete electrice"					5
		subtotal					10
	și impactul	Membri în colectivele de redactie sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate ISI	Punctaj unic pentru fiecare activitate	A3.3.1	ISI	10	
		A3.3.1.1 Organizator Conferinta ISSE 2013 International Spring Seminar - Alba Iulia					10
		A3.3.1.2 Organizator Conferinta SIITME 2012 - Alba Iulia					10
		subtotal					20
		Membri în colectivele de redactie sau comitete științifice al	Punctaj unic pentru	A3.3.2	BDI	6	

	revistelor, organizator de manifestări științifice, internaționale indexate BDI					
	Membru în Comitetul Tehnic TIE Concurs Tehnici de Interconectare în Electronica				6	
	Membru în Comitetul Tehnic TIE + Concurs Signal Integrity și Power Integrity				6	
	Membru în Comitetul Științific Conferința TSP				6	
				subtotal	18	
activități	Membru în colectivele de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate/neindexate	Punctaj unic pentru fiecare activitate	A3.3.3	naționale și internaționale neindexate	3	
	Organizator Conferința ICTAMI 2003, 2005				3	
	Organizator Conferința SATEE 2010				3	
				Subtotal	6	
	(A3)	Premii în domeniu		A3.4.1	Academia Română, ASTR, academii de ramură, premii internaționale	15
A3.4.1.1	Best Paper Award -International Semiconductor Conference CAS 2015				15	
	Premii în domeniu		A3.4.2	premierii naționale	5	
				in domeniu		
				Sub-total Premierii	15	
	Numar citari - 44				Total indicator A3	184,33
	Total criteriile A1+A2+A3				983,64	

3. Condiții minime (Ai)	Condiții minime	Punctaj E. CEUCA
A1	100	180
A2	500	619,31
A3	100	184,33

Total A	700	983,64
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Conditii minimale obligatorii pe subcategorii	Condiții minimale Abilitare	Punctaj E. CEUCA
A1.1.1 - A1.1.2 Cărți și capitole în cărți de specialitate	4	5
A1.2.1-A1.2.2 Material didactic / Lucrari didactice	2	8
A2.1 Articole în reviste / manifestări indexate ISI	12	28
A2.4.1 Granturi/proiecte câștigate prin competiție (Director/Responsabil)	2	4
A3.1.1 - A3.1.2 Număr de citări	10	44
Factor de impact cumulat pentru publicații	6	7,119