

Universitatea Transilvania din Braşov
 Facultatea de Inginerie Electrică şi Ştiinţa
 Calculatoarelor
 Departamentul de Electronică şi Calculatoare

Poz. postului 17
 Disciplinele postului Instrumentaţie Virtuală în
 sisteme integrate; Fizică; Utilizarea
 calculatoarelor şi servicii Internet; Proiect de
 sisteme de calcul

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR UNIVERSITĂŢII CONFERERŢIAR UNIVERSITAR, poziţia 17

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Candidat: Cotfas Petru Adrian
 Funcţia actuală Şef Lucrări

Data naşterii 15.11.1974
 Instituţia Universitatea Transilvania din Braşov

1. Studii universitare (licenţă şi masterat)

Nr. crt.	Instituţia de învăţământ superior şi facultatea	Domeniul	Perioada	Titlul acordat
1.	Universitatea Transilvania din Braşov	Matematică Fizică	1992-1997	Licenţiat în Matematică şi Fizică
2.	Universitatea Transilvania din Braşov	Matematică Informatică	1997-2001	Licenţiat în Matematică Informatică
3.	Universitatea Transilvania din Braşov	Metode matematice si produse software	1997-1998	Studii Aprofundate

2. Studii de doctorat

Nr. crt.	Instituţia organizatoare de doctorat	Domeniul	Perioada	Titlul ştiinţific acordat
1.	Universitatea Transilvania din Braşov	Ştiinţa şi Ingineria Materialelor	1999-2007	Doctor

3. Studii şi burse postdoctorale (stagii de cel puţin 6 luni)

Nr. crt.	Instituţia	Domeniul/ Specializarea	Perioada	Tipul de bursă

4. Realizările profesional-ştiinţifice

Calitatea activităţilor didactice/ profesionale	Din Fişa de evaluare şi din Propunerea de dezvoltare a carierei universitare
Lucrări publicate în reviste de specialitate recunoscute naţional internaţional	1. D. T. Cotfas, P. A. Cotfas , Eleni Kaplani, Cornel Samoila: Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania, Journal of Renewable and Sustainable Energy 6, 053106 (2014); doi: 10.1063/1.4896596, (FI- 0.925); 2. D. T. Cotfas, P. A. Cotfas , A Simple Method to Increase the Amount of Energy Produced by the Photovoltaic Panels, International Journal of Photoenergy, Vol. 2014 (2014),

	<p>Article ID 901581, 6 pages http://dx.doi.org/10.1155/2014/901581, (FI-2.663);</p> <ol style="list-style-type: none"> 3. D. T. Cotfas, P. A. Cotfas, S. Kaplanis, Methods to determine the DC parameters of solar cells: A critical review, Renewable and Sustainable Energy Reviews, vol. 28, 2013, pp. 588–596, (FI-5.627); 4. G. Șerban, D. T. Cotfas, P. A. Cotfas Crop albedo measurements after anthesis reveal significant differences among romanian wheat cultivars, ROMANIAN AGRICULTURAL RESEARCH, NO. 29, 2012, ISSN 1222-4227; Online ISSN 2067-5720 (FI-0.44) 5. D. T. Cotfas, P. A. Cotfas, P. Borza, D. Ursutiu, C. Samoila: Wireless system for monitoring the solar radiation, Environmental Engineering and Management Journal, Vol.10, No. 8, pp.1133-1137, August 2011; ISSN: 1582-9596 (FI-1.44) 6. Petru A. COTFAS, Cornel SAMOILA, Doru URSUTIU, D. T. COTFAS: Decarburiation Study for Bearing Steel Using Barkhausen Noise, Metalurgia International, vol. XIV, no.9, pp. 50-54, 2009; 7. Cotfas P., Ursutiu D., Samoila C., "Self Growing Remote Controlled Laboratory", International Journal of Online Engineering i-JOE, Vol 2, nr 1, ISSN: 1861-2121, 2006
Lucrări prezentate la conferințe naționale/internaționale în profilul postului	<ol style="list-style-type: none"> 1. P.A. Cotfas, D.T. Cotfas, L. Floroian, D. Floroian, General physics remote laboratory based on the NI ELVIS platform and Moodle, Remote Engineering and Virtual Instrumentation (REV), 2014 11th International Conference on, IEEE Xplore, doi. 10.1109/REV.2014.6784244; 2. O. Machidon, F. Sandu, M. Chitic, P. Cotfas, D. T. Cotfas, Design and deployment of reconfigurable hardware using Web Services, RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014, IEEE XPLORE, Doi 10.1109/RoEduNet-RENAM.2014.6955295 3. P.A. Cotfas, D.T. Cotfas, C. Samoila, Mobile virtual laboratory for renewable energy, Remote Engineering and Virtual Instrumentation (REV), 2013 10th International Conference on, Sydney (IEEE Xplore) 10.1109/REV.2013.6502896; 4. P. A. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila, Tester for photovoltaic charger using NI cRIO, REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-;
Volum(e) de specialitate publicat(e) în edituri recunoscute național	<ol style="list-style-type: none"> 1. P. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila: " NI ELVIS Computer-Based Instrumentation ", NTS PRESS (National Technology and Science Press), USA Allendale, NJ 07401, 2012 (ISBN 978-1-934891-11-7), nr.pag.192 2. P. A. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila, D. Iordache, "Chapter 3 New Tools in Hardware and Software Design Applied for Remote Photovoltaic Laboratory", Abul

	<p>K.M. Azad, A.K.M., Auer, M., V. Judson Harward, V.J. "Internet Accessible Remote Laboratories: Scalable E-Learning Tools for Engineering and Science Disciplines", IGI Global, pp. 40-59, 2012.</p> <p>3. Editori Navarun Gupta , Saikat Ray and Tarek Sobh (Univ. of Bridgeport, Bridgeport, CT), "Online Engineering", - Capitolul 5 "Online Engineering in University Environment"- Doru Ursutiu, Petru Cotfas and Cornel Samoila, Nova Publisher – USA, ISBN: 978-1-60741-166-6, 2009;</p> <p>4. D. Ursutiu, P. Cotfas, C. Samoila - Chapter 7 "Graphical Programming and Remote Controlled Laboratories", Editori Luis Gomes, Javier Garcia-Zubia, "Advances on remote laboratories and e-learning experiences", Ed. University of Deustos - Spania, pp 151-186, ISBN 978-84-9830-077-2;</p>
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**Director de departament,
Prof. Dr. Ing. Mihai Romanca**



**Candidat,
Şef Luc. Dr. Petru A. Cotfas**



**Fișa de verificare a îndeplinirii standardelor minime naționale
S.L.Dr. Cotfas Petru Adrian**

Comisia Inginerie Electrică

Criteriu	Cerinte minime (punctaj)	Realizat (punctaj)
Activitate Didactică și Profesională (A1)	40	75.095
Activitatea de cercetare (A2)	150	488.72
Recunoașterea impactului cercetării (A3)	30	162.63+64
Total	220	726.445+64

Criteriu	Cerinte minime	Nr.	Realizat	Nr.
Activitate Didactică și Profesională (A1)	Cărți	2	Cărți	6
	Curs	1	Curs	2
	Îndrumar	1	Îndrumar	2
Activitatea de cercetare (A2)	Art. ISI	5	Art. ISI	17
	Art. BDI	8	Art. BDI	29
	Director de proiect	1	Director de proiect	2

Nr. crt.	Domeniul activităților	Tip activităților	Subcategorii	Titlu	Punctaj
1	Activitate Didactică și Profesională (A1)	Carti și capitole în cărți de specialitate (1.1)	Internaționale (1.1.1.1)	<p>1. D. T. Cotfas and P. A. Cotfas: Chapter IX: <i>PV Innovative Techniques and Experimental Test Sets</i>, S. Kaplanis and E. Kaplani, <i>Renewable Energy Systems: Theory, Innovations and Intelligent Applications</i>, Nova Science Publishers, USA, 2013 ISBN: 978-1-62417-744-6, pp. 525-546</p> <p>2. P. Cotfas, D. T. Cotfas, D. Ursuțiu, C. Samoila: <i>NI ELVIS Computer-Based Instrumentation</i>, NTS PRESS (National Technology and Science Press), USA Allendale, NJ 07401, 2012 (ISBN 978-1-934891-11-7), nr.pag.192</p> <p>3. Doru Ursutiu, Petru Cotfas and Cornel Samoila Capitolul 5 "Online Engineering in University Environment", Editori Navarun Gupta, Saikat Ray and Tarek Sobh "Online Engineering", -, Nova Publisher - USA, ISBN: 978-1-60741-166-6, 2009;</p> <p>4. D. Ursutiu, P. Cotfas, C. Samoila - Chapter 7 "Graphical Programming and Remote Controlled Laboratories", Editori Luis Gomes, Javier Garcia-Zubia, "Advances on remote laboratories and e-learning experiences", Ed. University of Deustos - Spania, pp 151-186, ISBN 978-84-9830-077-2;</p>	<p>22/2*2 =5.50</p> <p>192/2*4 =24.00</p> <p>20/(2*3) =2.50</p> <p>37/(2*3) =6.17</p>

				5. P. A. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila, D. Iordache, Chapter 3, <i>New Tools in Hardware and Software Design Applied for Remote Photovoltaic Laboratory</i> , Abul K.M. Azad, A.K.M., Auer, M., V. Judson Harward, V.J., <i>Internet Accessible Remote Laboratories: Scalable E-Learning Tools for Engineering and Science Disciplines</i> , IGI Global, pp. 40-59, 2012.	$20/2*5$ =2.00
				6. C. Samoila, P. Cotfas, D.T. Cotfas, Doru Ursuțiu, Petrica Vizureanu, <i>Aliaje cu memoria formei</i> , Ed. Universității Transilvania din Brașov, 2011, (ISBN978-973-598-934-7). nr.pag.155	$155/5*5$ =6.20
		Suport Didactic (1.2)	Naționale (1.1.1.2)	1. Cotfas Petru Adrian, "Prelucrarea semnalelor. Aplicații în LabVIEW", Ed. Lux Libris, ISBN 978-973-131-071-8, Brașov, 2010, nr.pag. 141	$141/(10*1)$ =14.1
				2. Bodea Mirela, Cotfas Petru, "Electromagnetism și electrotehnică", Ed. Univ."Transilvania", ISBN 973-635-299-4, Brașov, 2004, nr.pag. 211	$211/(10*2)$ =10.55
			Îndrumare de laborator (1.2.2)	1. P. A. Cotfas, D. T. Cotfas, <i>Fizica-Lucrări de laborator</i> , Ed. Universității Transilvania din Brașov, 2014, (ISBN: 978-606-19-0457-0) nr.pag.72	$72/20*2$ =1,8
				2. Ursutiu Doru, Cotfas Petru Adrian, "Fizica electronica: Lucrari de laborator", Ed. Univ."Transilvania" Brașov, 2000, (ISBN973-635-303-6). nr.pag.91	$91/(20*2)$ =2.275
		Activitatea de cercetare (A2)	Articole ISI (2.1)	1. D. T. Cotfas, P. A. Cotfas, Eleni Kaplani, Cornel Samoila, <i>Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania</i> , Journal of Renewable and Sustainable Energy 6, 053106 (2014); doi: 10.1063/1.4896596 (FI-0.925, SRI 0.445)	$(25+20*0.925)/4$ =10.88
				2. D.T. Cotfas, L. Floroian, P.A. Cotfas, D. Floroian, R. Rubin, D. Lieberman, <i>The study of the photovoltaic cells parameters in concentrated sunlight</i> , Optimization of Electrical and Electronic Equipment (OPTIM), 2014, IEEEExplore, 10.1109/OPTIM.2014.6850916	$(25+20*0)/6$ =4.17
				3. O. Machidon, F. Sandu, C. Zaharia, P.A. Cotfas, D.T. Cotfas, <i>Remote SoC/FPGA platform configuration for cloud applications</i> , Optimization of Electrical and Electronic Equipment (OPTIM), 2014, IEEEExplore, 10.1109/OPTIM.2014.6850986	$(25+20*0)/5$ =5.00
				4. D. T. Cotfas, P. A. Cotfas, <i>A Simple Method to Increase the Amount of Energy Produced by the Photovoltaic Panels</i> , International Journal of Photoenergy, vol. 2014 (2014), Article ID 901581, 6 pages http://dx.doi.org/10.1155/2014/901581 , (FI-2.663, SRI 1.05)	$(25+20*0)/2$ =12.50
				5. D. T. Cotfas, P. A. Cotfas, S. Kaplanis, <i>Methods to determine the dc parameters of solar cells: A critical review</i> , Renewable and Sustainable Energy Reviews,	$(25+20*5.51)/3$ =45.07

			vol. 28, 2013, pp. 588–596, (FI-5.627, SRI-2.4).	
			6. G. Șerban, D. T. Cotfas, P. A. Cotfas, <i>Crop albedo measurements after anthesis reveal significant differences among romanian wheat cultivars</i> , Romanian Agricultural Research, no. 29, 2012, (ISSN 1222-4227; Online ISSN 2067-5720) (FI-0.44, SRI – 0.148)	$(25+20 \cdot 0.186)/3$ =9.57
			7. Jinga, V., Samoila, C., Ursutiu, D. Cotfas, P.A., , The 15th International Conference on Experimental Mechanics (ICEM), Univ Porto, Fac Engr (FEUP), Porto, PORTUGAL, JUL 22-27, 2012, ISBN- 978-972-8826-26-0	$(25+20 \cdot 0)/4$ =6.25
			8. G. Șerban, D. T. Cotfas, P. A. Cotfas, <i>Significant differences in crop albedo among romanian winter wheat cultivars</i> , Romanian Agricultural Research, no. 28, 2011, (Print ISSN 1222-4227; Online ISSN 2067-5720); (FI-0.44, SRI – 0.148)	$(25+20 \cdot 0.186)/3$ =9.57
			9. D. T. Cotfas, P. A. Cotfas, P. Borza, D. Ursutiu, C. Samoila, <i>Wireless system for monitoring the solar radiation</i> , Environmental Engineering and Management Journal, Vol.10, No. 8, pp.1133-1137, August 2011; ISSN: 1582-9596 (FI-1.44, SRI – 0.111)	$(25+20 \cdot 1.258)/5$ =10.03
			10. I. Olaru, V. Almasan, C. Samoila, D. Ursutiu, P. Cotfas, D. T. Cotfas, <i>The characterization of the catalytic materials using the kinetic transient stage</i> , Metalurgia International, vol. XVI, no.4, pp. 45-52, 2011, ISSN 1582-2214; (FI-0.33)	$(25+20 \cdot 0)/6$ =4.17
			11. D.T. Cotfas, P. Cotfas, S. Kaplanis, D. Ursutiu, <i>Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one</i> , Journal Of Optoelectronics And Advanced Materials, vol. 10, No. 11, p. 3124 – 3130, November 2008; ISSN 1454-4164 (FI-0.84)	$(25+20 \cdot 0.563)/4$ =9.07
			12. P. A. Cotfas, C. Samoila, D. Ursutiu, D. T. Cotfas, <i>Decarburization Study for Bearing Steel Using Barkhausen Noise</i> , Metalurgia International, vol. XIV, no.9, pp. 50-54, 2009;	$(25+20 \cdot 0)/4$ =6.25
			13. C. Samoila, D. Ursutiu, P. A. Cotfas, D. T. Cotfas, <i>TRIZ method and remote engineering approach</i> , Global Engineering Education Conference (EDUCON), 2013 IEEE, pp 1 – 4, ISSN :2165-9559 E-ISBN :978-1-4673-6109-5 Print ISBN: 978-1-4673-6111-8 INSPEC Accession Number:13579822 (IEEE Xplore)	$(25+20 \cdot 0)/4$ =6.25
			14. C. Samoila, D. Ursutiu, P. A. Cotfas, D. T. Cotfas, <i>Remote experiment and correlation with innovation process</i> , Interactive Collaborative Learning (ICL) 15th International Conference on Villach 2012, pp. 1 – 4, E-ISBN :978-1-4673-2426-7 Print ISBN:978-1-4673-2425-0, INSPEC Accession Number:13248360, IEEE Xplore, 10.1109/ICL.2012.6402073	$(25+20 \cdot 0)/4$ =6.25
			15. D.T. Cotfas, P.A. Cotfas, D. ursutiu, C. Samoila, <i>Current-Voltage Characteristic Raising Techniques for Solar Cells. Comparisons and Applications</i> , Optimization of Electrical and Electronic Equipment	$(25+20 \cdot 0)/4$ =6.25

			(OPTIM), 2010, IEEEExplore, 10.1109/OPTIM.2010.5510373, ISSN: 1842-0133, Print ISBN: 978-1-4244-7019-8	
			16. Lupulescu, N., Samoila, C., Cotfas, P., E-learning methodology in Taxonomy, 4th Balkan Region Conference on Engineering Education and MSE, Sibiu, ROMANIA, JUL 12-14, 2007	$(25+20*0)/3$ =8.33
			17. Ursutiu, D., Duta-Capra, A., Nanu, D., Cotfas, P., Non-ideal liquid solutions modeling by means of integral methods, International Conference on Integral Methods in Science and Engineering, International Conference on Integral Methods in Science and Engineering, Michigan Technol Univ, Houghton, MI, 1998, ISBN:1-58488-146-1	$(25+20*0)/4$ =6.25
		Articole în Baze de date internaționale (BDI) (2.2)	1. O. Machidon, F. Sandu, M. Chitic, P. Cotfas, D. T. Cotfas, <i>Design and deployment of reconfigurable hardware using Web Services</i> , RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014, IEEE XPLORE, Doi 10.1109/RoEduNet-RENAM.2014.6955295	20/5= 4.00
			2. P.A. Cotfas, D.T. Cotfas, L. Floroian, D. Floroian, <i>General physics remote laboratory based on the NI ELVIS platform and Moodle</i> , Remote Engineering and Virtual Instrumentation (REV), 2014 11th International Conference on, IEEE Xplore, doi. 10.1109/REV.2014.6784244	20/4= 5.00
			3. S. Spataru, D. Sera, T. Kerekes, R. Teodorescu, P.A. Cotfas, D.T. Cotfas, <i>Experiment Based Teaching of Solar Cell Operation and Characterization Using the SolarLab Platform</i> , 7th International Workshop on Teaching in Photovoltaics, (Google Scholar)	20/6= 3.33
			4. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoila, <i>RELab - virtual laboratory of the renewable energy</i> , Remote Engineering and Virtual Instrumentation (REV), 2013 10th International Conference on, E-ISBN :978-1-4673-6344-0, Print ISBN: 978-1-4673-6345-7 INSPEC Accession Number: 13449025 (IEEE Xplore), Sydney	20/4= 5.00
			5. P.A. Cotfas, D.T. Cotfas, C. Samoila, <i>Mobile virtual laboratory for renewable energy</i> , Remote Engineering and Virtual Instrumentation (REV), 2013 10th International Conference on, Sydney (IEEE Xplore) 10.1109/REV.2013.6502896	20/3= 6.66
			6. D. Floroian, L. Floroian, R. Rubin, D. Lieberman, P. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila, <i>Measurements in Concentrated Sun using a Remote Controlled Robot</i> , International Journal of Online Engineering (iJOE), vol 9, 2013	20/8= 2.50
			7. P.A. Cotfas, D.T. Cotfas, C. Samoila, P. Vizureanu, B. Varga, D. Ursutiu, S. Zamfira, <i>Indirect measurement of transformation temperatures at shape memory alloys of CuZnAl category</i> , Metalurgia International 18 (5), Google Scholar	20/7= 2.86

			8. P. A. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila, <i>Tester for photovoltaic charger using NI cRIO</i> , REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Xplore 10.1109/REV.2012.6293136	20/4=5.00
			9. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoila, <i>Energy balance for different positions of photovoltaic panels</i> , REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Xplore 10.1109/REV.2012.6293139	20/4=5.00
			10. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoila, <i>The methods to determine the series resistance and the ideality factor of diode for solar cells-review</i> , Optimization Of Electrical And Electronic Equipment OPTIM 2012, Brasov May 24-26, 2012, IEEEExplore, 10.1109/OPTIM.2012.6231814	20/4=5.00
			11. D. T. Cotfas, P. A. Cotfas, <i>The Wireless Albedometer</i> , Journal of Engineering Science and Technology Review 5 (4), 35 -37, 2012.(Scopus)	20/2=10.00
			12. P. N. Borza, D. T. Cotfas, P. A. Cotfas, A. Pologea, <i>Improvements on Photovoltaic Cells Test Bench System</i> , Journal of Engineering Science and Technology Review 5 (4), 38 - 41, 2012.(Scopus)	20/4=5.00
			13. F. Corciova, D. T. Cotfas, P. A. Cotfas, <i>Embedded system for mini solar vehicle</i> , REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-7. 10.1109/REV.2012.6293140	20/3=6.66
			14. E. Blaga, P. A. Cotfas, D. T. Cotfas, M. Balint, <i>Tensile testing machine based on virtual instrumentation</i> , REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-7. 10.1109/REV.2012.6293170	20/4=5.00
			15. C. Samoila, D. Ursutiu, P. A. Cotfas, D. T. Cotfas, A. Stefan, <i>Quantitative approaches remote experiment design</i> , REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Catalog Number: CFP1249T-USB ISBN: 978-1-4673-2541-7.	20/5=4.00
			16. P. N. Borza, P. A. Cotfas, D. T. Cotfas, M. Carp, <i>PV cells test bench system with remote access trough Internet</i> , Optimization Of Electrical And Electronic Equipment OPTIM 2012, Brasov May 24-26, 2012., IEEEExplore, 10.1109/OPTIM.2012.6231969	20/4=5.00
			17. D. Ursutiu, C. Samoila, P. Cotfas, D.T. Cotfas, D.V. Pop, M. E. Auer, D.G. Zutin, <i>Multifunction iLab Implemented Laboratory</i> , Global Engineering Education Conference Educon, Amman, 4-6 April 2011, 10.1109/EDUCON.2011.5773135, IEEE Xplore	20/7=2.86
			18. D. Ursutiu, D.T. Cotfas, M. Ghercioiu, C. Samoila, P.A. Cotfas, M. Auer, <i>WEB Instruments</i> , Education Engineering (EDUCON), 2010 IEEE, Madrid, E-ISBN978-1-4244-6570-5, Print ISBN: 978-1-4244-6568-2, INSPEC Accession Number: 11391040 Digital Object Identifier :	20/6=3.33

			10.1109/EDUCON.2010.5492525	
			19. C. Samoila, D. Ursutiu, P.A. Cotfas, D.T. Cotfas, A.Stefan, <i>Methods of the quality assurance applied at the remote laboratory selection</i> , Education Engineering (EDUCON), 2010 IEEE, Madrid, E-ISBN : 978-1-4244-6570-5, Print ISBN: 978-1-4244-6568-2, INSPEC Accession Number: 11390935, Digital Object Identifier : 10.1109/EDUCON.2010.5492398 (IEEE Xplore)	20/5=4.00
			20. D.T. Cotfas, P.A. Cotfas, L. Popescu, D. Ursutiu, C. Samoila, <i>A portable device for photovoltaic cells and panels</i> , Bulletin of the Transilvania University of Brasov, Vol 3, 52, 2010, Google Scholar	20/5=4.00
			21. P.A. Cotfas, D.T. Cotfas, D. Ursutiu and C. Samoila, <i>Remote Laboratory in Photovoltaics</i> , International Journal of Online Engineering (iJOE), vol 5, no. 3, pp.14-18, 2009, ISSN: 1861-2121. (Scopus, Inspec)	20/4=5.00
			22. D. Ursutiu, D. Iordache, P.A. Cotfas, D.T. Cotfas, C. Samoila, <i>Web Development Techniques and Remote Laboratories</i> , International Journal of Online Engineering (iJOE) 5 (5), pp. 81-83, 2009 (Scopus, Inspec)	20/5=4.00
			23. D. T. Cotfas, P. Cotfas, S. Kaplanis, D. Ursutiu, C. Samoila, <i>Sun tracker system vs fixed system</i> , Bulletin of the Transilvania University of Brasov • Vol 1(50) - 2008Series III: Mathematics, Informatics, Physics, 545-552, ISSN 2065-2151 (Print), ISSN 2065-216X (CD-ROM) (Scopus)	20/5=4.00
			24. D. T. Cotfas, S. Kaplanis, P. A. Cotfas, D.Ursutiu, C. Samoila, <i>A new albedometer based on solar cells</i> , Proc. World Renewable Energy Congress X. Glasgow, 2008, (Google Scholar)	20/5=4.00
			25. C. Samoila, D.Ursutiu, P. A. Cotfas, D.T. Cotfas, <i>Creativity and remote experiment as a tool for its Sustaining</i> , Interactive Collaborative Learning (ICL) International Conference on Villach 2008, (Google Scholar)	20/4=5.00
			26. Marian Alexandru, Petru Adrian Cotfas, "Designing and Performance Evaluation for an Indoor Location and Tracking System" International Journal of Online Engineering, Vol. 2, No. 2, 2006, ISSN: 1861-2121 (Scopus, Inspec)	20/2=10.00
			27. D. T. Cotfas, P. Cotfas, <i>The ideality factor and the reverse saturation current for solar cell</i> , Bulletin of the Transilvania University of Braşov: Mathematics, economical , 2004, Google Scholar	20/2=10.00
			28. A.Duta, C.Samoila, D.Ursutiu, P. Cotfas, W. Schleer, <i>Simultaneous Analysis of the Chemical and Thermal Non-Equilibrium Regimes in Nitriding. Modelling in LabVIEW</i> , Journal of Mechanical Behaviour of Materials, ISSN 0334-8938; VOLUME 14, NOS. 2-3, pg. 191-197, 2003 (De Gruyter);	20/5=4.00
			29. Cornel Samoila, Doru Ursutiu, Petru Cotfas "E-Learning, Cause and Effect of the Balances and Unbalances in the Educational System	20/3=6.66

Granturi/Proiecte câștigate prin competiție (2.3)	Internaționale	Modernization", European Journal of Open and Distance Learning, 2002, ISSN 1027-5207	
		1. The study of the evolution of the photovoltaic cells parameters during the ageing process using the concentrated light and the temperature, (2014) Sfera II, Membru	20*1=20.00
		2. Industrial Cooperation and creative engineering education based on remote engineering and virtual instrumentation-ICo-op (2013), Membru	4*1=4.00
		3. Improving the performances of new nanostructures processed by laser techniques for use in concentrated light applications (2013) Sfera I, Membru	4*1=4.00
		4. Evaluation of the solar concentrated charger possibilities in very fast charging of supercapacitors (2013) Sfera I, Membru	4*1=4.00
		5. Magnetic Sorting and Ultrasound Sensor Technologies for Production of High Purity Secondary Polyolefins – FP7.(2008-2011) W2Plastics -212782; ENV-2007-3.1.3-02, Membru	4*3=12.00
		6. TARET_IP_AP_NALLP_AT-2007 "Training in advanced Remote Engineering Technologies" 29298-IC-1-AT-Erasmus-1 IPUC-1/2-Minerva (2007-2008), Membru	4*2=8.00
		7. Proiect Erasmus Modus "MARE-Joint European Master Study Program Remote Engineering" 29298-IC-1-2004-AT-Erasmus-EUC-1 (2004-2007) Membru	4*3=12.00
		8. Proiect Minerva "VIRTUAL MENTOR-VIRTUAL TRAINING, RESOURCES AND METHODOLOGY" 10086-CP-2002-1-ES-Minerva-M (2004) Membru	4*1=4.00
	Naționale	1. Cercetari privind realizarea unei noi clase de aliaje (Al-Cu-Mn) si realizarea unui standard de oboseala termomecanica destinat aliajelor cu memoria formei. (2008-2011) Parteneriate II 72 161 Responsabil	10*3=30.00
		2. Grant de tip AT "Cercetari privind aplicarea instrumentatiei virtuale ca metoda de masurare, testare si control" Beneficiar: Ministerul Educatiei si Cercetarii, 2001-2002, Director;	10*2=20.00
		3. Tehnologii de precipitare dispersă în stare solidă, la nivel nanometric, folosind câmpuri termice cu cicluri staționare și tranzitorii alternante.(2008-2011) Parteneriate II 72 163 Membru	2*3=6.00
		4. Cercetari avansate de corelatie a tehnologiilor nanometrice cu ingineria suprafetelor si crearea unei noi generatii de instalatii multifunctionale "THIN FILMS"-CEEX 101(2006-2008) Membru	2*3=6.00
		5. Instalatie si tehnologie pentru uscarea in vid si polimerizarea hidrostatica sub compund a izolatiei barelor stator pentru turbogeneratoare INTEPOL-INOVARE nr. 130/2007 (2007-2010) Membru	2*3=6.00
		6. Tehnologii avansate utilizand senzori de proces pentru obtinerea de straturi rezistente la uzura, coroziune si oboseala CEEX 152-CARTE NOMINE (2006-2008) Membru	2*3=6.00
		7. Contract Idel - Cercetari interdisciplinare de stabilire a limitelor de potential ale energiei solare. Corpuri solide	2*3=6.00

				pe intervalul incalzire- topire, (2007-2010) Membru	
			Terți (2.4)	1. Vendor Master Services Agreement National Instrument (2014) Director	5*1=5.00
				2. Sistem wireless de management al energiei și apei (2013) IAR Director	5*1=5.00
				3. Scientific Grant for Creativity Laboratory and LabVIEW Academy (2012) Membru	2*1=2.00
				4. Sistem wireless de management al energiei electrice, gazului metan și aerului comprimat (2012-2013) IAR Membru	2*1=2.00
				5. Sistem inteligent pentru managementul energiei oferite de panourile solare la alimentarea lampilor cu senzori de infraroșu (2011-2012) Steinel Membru	2*2=4.00
				6. Sistem de monitorizare wireless a baylor galvanice, Contract cu IAR Ghimbav (2010) Membru	2*1=2.00
				7. Contract Nr. ACN 069417563 Australia – Educational Grant Proposal (DATEX and FOTEX) (2009-2010) Emona Membru	2*2=4.00
				8. NI-ELVIS II-EDUCATIONAL GRANT (2009) Membru	2*1=2.00
				9. Contract cu ROMTELECOM 2007 Membru	2*1=2.00
3	Recunoașterea Impactului (A3)	Citări (3.1)	ISI (3.1.1)	1. Perniu, D., Ursutiu, D., Cotfas, P., & Voinicu, O. R. (1999). The use of computers to address diverse learning styles in chemical instruction. European Journal of Open and Distance Learning. Available from http://www.eurodl.org/materials/contrib/1999/icl99/perniu/index.html .	5/4=1.25
				2. P. Cotfas, D. Ursutiu, and C. Samoilă, "Self growing remote controlled laboratory," Int. J. Online Eng., vol. 2, no. 1, pp. 1–5, 2006.	5/3=1.67
				3. D. T. Cotfas, P. A. Cotfas, S. Kaplanis, <i>Methods to determine the dc parameters of solar cells: A critical review</i> , Renewable and Sustainable Energy Reviews, vol. 28, 2013, pp. 588–596, (FI-5.627).	5/3=1.67
				1. Santosh Shrestha, <i>Photovoltaics literature survey</i> (No. 106) Progress in Photovoltaics: Research and Applications Volume 21, Issue 8, pages 1682–1684, December 2013, Article first published online: 25 NOV 2013	5/3=1.67
				2. Javier Cubas, Santiago Pindado and Carlos de Manue, <i>Explicit Expressions for Solar Panel Equivalent Circuit Parameters Based on Analytical Formulation and the Lambert W-Function</i> , http://sciforum.net/conference/ece-1 Energies 2014, 7(7), 4098–4115	5/3=1.67
				3. XK Gao, CA Yao, XC Gao, YC Yu, Accuracy comparison between implicit and explicit single-diode models of photovoltaic cells and modules, Acta physica sinica, Volume: 63 Issue: 17	5/3=1.67

			4. D. Ursutiu, D. Iordache, P. A. Cotfas, D. T. Cotfas, and C. Samoilă, <i>LabVIEW controlled NI-ELVIS web interface</i> , in Proc. Remote Eng. Virtual Instrum. (REV) 2011, Brasov, Romania, pp. 217-220	1. Tawfik, M.; Sancristobal, E.; Martin, S.; Diaz, G.; Peire, J.; Castro, M., <i>Expanding the Boundaries of the Classroom: Implementation of Remote Laboratories for Industrial Electronics Disciplines</i> , Industrial Electronics Magazine, IEEE, vol.7, no.1, pp.41-49, March 2013	5/5=1.00
			5. DT Cotfas, S. Kaplanis, P. Cotfas, D. Ursutiu, C. Samoilă, <i>A new albedometer based on solar cells</i> , World Renewable Energy Congress X, Glasgow, Scotland, 2008	1. N.N. Saulescu, G. Ittu, M. Ciuca, M. Ittu, G. Serban, P. Mustatea, <i>Transferring Useful Rye Genes to Wheat, Using Triticale as a Bridge</i> , Czech J. Genet. Plant Breed., 47, 2011 (Special Issue): S56-S62	5/4=1.25
			6. P. N. Borza, P. A. Cotfas, D. T. Cotfas, M. Carp, <i>PV cells test bench system with remote access trough Internet</i> , Optimization Of Electrical And Electronic Equipment OPTIM 2012, Brasov May 24-26, 2012.	1. Mohamed Tawfik, Santiago Monteso, Felix Garcia-Loro, Elio Sancristobal, Elena Ruiz, Gabriel Diaz, Antonio Colmenar Santos, Juan Peire and Manuel Castro, <i>Novel design and development of advanced remote electronics experiments</i> , Computer Applications in Engineering Education, 14 MAY 2014 DOI: 10.1002/cae.21602	5/4=1.25
			7. D. T. Cotfas, P. Cotfas, S. Kaplanis, D. Ursutiu, <i>Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one. J. Optoelec. Adv M</i> 2008; 10: 3124 - 3130.	1. M. Abdul Kareem and M. Saravanan, <i>A Simple and Accurate Parameter Identification Technique for Two Diode Six Parameter Photovoltaic Model</i> , Aust. J. Basic & Appl. Sci., 8(13): 171-179, 2014	5/4=1.25
			8. D. T. Cotfas, P. A. Cotfas, <i>A simple method to increase the amount of energy produced by the photovoltaic panels</i> , International Journal of Photoenergy, vol. 2014, Article ID 901581, 6 pages, 2014.	1. S. Hajighorbani, M. A. M. Radzi, M. Z. A. Ab Kadir, S. Shafie, R. Khanaki, M. R. Maghami, <i>Evaluation of Fuzzy Logic Subsets Effects on Maximum Power Point Tracking for Photovoltaic System</i> , International Journal of Photoenergy Volume 2014, Article ID 719126, 13 pages http://dx.doi.org/10.1155/2014/719126	5/2=2.50
			9. D. T. Cotfas, P. A. Cotfas, P. Borza, D. Ursutiu, C. Samoilă, <i>Wireless system for monitoring the solar radiation</i> , Environmental Engineering and Management Journal, Vol.10, No. 8, pp.1133-1137, August 2011;	1. Y. Huang, Y. Tian, W. Cheng, <i>Optimization of energy saving for wireless sensor networks</i> , Environmental Engineering and Management Journal May 2014, Vol. 13, No. 5, 1057-1070	5/5=1.00
			10. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoilă, <i>The methods to determine the series resistance and the ideality factor</i>	1. Javier Cubas, Santiago Pindado and Carlos de Manue, <i>Explicit Expressions for Solar Panel Equivalent Circuit Parameters Based on Analytical Formulation and the Lambert W-Function</i> ,	5/4=1.25

				of diode for solar cells-review, Optimization Of Electrical And Electronic Equipment OPTIM 2012, Brasov May 24-26, 2012	http://sciforum.net/conference/ece-1 Energies 2014, 7(7), 4098-4115	
				11. D. Ursutiu, D. T. Cotfas, M. Ghercioiu, C. Samoila, P. A. Cotfas, and M. Auer, <i>WEB Instruments</i> , in Education Engineering (EDUCON), 2010 IEEE, 2010, pp. 585-590.	1. Maiti, A., Kist, A.A.; Maxwell, A.D., <i>Real-Time Remote Access Laboratory with Distributed and Modular Design</i> , Industrial Electronics, IEEE Transactions on (Volume:PP, Issue: 99), 10.1109/TIE.2014.2374572	5/6=0.83
				12. I. Olaru, V. Almasan, C. Samoila, D. Ursutiu, P. Cotfas, D. T. Cotfas, <i>The characterization of the catalytic materials using the kinetic transient stage</i> , Metalurgia International, vol. XVI, no.4, pp. 45-52, 2011	1. C. Ledesma, J. Yang, D. Chen, A. Holmen, <i>Recent approaches in mechanistic and kinetic studies of catalytic reactions using SSITKA technique</i> , ACS Catalysis, 2014 - ACS Publications, 12, pp 4527-4547 DOI: 10.1021/cs501264f	5/6=0.83
			BDI (3.1.2)	1. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoila, <i>The methods to determine the series resistance and the ideality factor of diode for solar cells-review</i> , Optimization Of Electrical And Electronic Equipment OPTIM 2012, Brasov May 24-26, 2012	1. Pattanayak, Punyashree; Ghosh, Biswajit; Shubhra, <i>Performance of a solar module in laboratory and field conditions</i> , Engineering and Computational Sciences (RAECS), 2014 Recent Advances in, vol., no., pp.1,5, 6-8 March 2014 doi: 10.1109/RAECS.2014.6799548	3/4=0.75
					2. Ortiz-Conde Adelmo, Garcia-Sánchez Francisco J., Muci Juan, Sucre-González Andrea, <i>A review of diode and solar cell equivalent circuit model lumped parameter extraction procedures</i> , Facta universitatis - series: Electronics and Energetics 2014 Volume 27, Issue 1, Pages: 57-102 doi:10.2298/FUEE1401057O, Google Scholar	3/4=0.75
				2. P. Cotfas, D. Ursutiu, and C. Samoila, <i>Self growing remote controlled laboratory</i> , Int. J. Online Eng., vol. 2, no. 1, pp. 1-5, 2006.;	1. Zhang, Y., Li, L. <i>Integrating cyber infrastructure with physical laboratories</i> , 120th ASEE Annual Conference and Exposition; Atlanta, GA; United States; 23 June 2013 through 26 June 2013; Code 99351	3/3=1.00
					2. Chen, X., Song, G., Zhang, Y. <i>Virtual and remote laboratory development: A review</i> , 12th International Conference on Engineering, Science, Construction, and Operations in Challenging Environments - Earth and Space 2010; Honolulu, HI; United States; 14 March 2010 through 17 March 2010; Code 81209	3/3=1.00
					3. Chen, X., Zhang, Y., Kehinde, L., Olowokere, D. <i>Developing virtual and remote undergraduate laboratory for Engineering Technology</i> , 2010 ASEE Annual Conference and Exposition; Louisville, KY; United States; 20 June 2010 through 23 June 2010; Code 81438	3/3=1.00
				3. D. T. Cotfas, P. Cotfas, S. Kaplanis, D.	1. M. S. A. KAREEM, M. SARAVANAN, <i>A new method for accurate estimation of PV module parameters and I extraction</i>	3/4=0.75

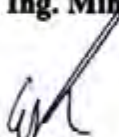
			Ursutiu, Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one. J. Optoelec. Adv M 2008; 10: 3124-3130.	of maximum power point under varying environmental conditions, TUBITAK Academic Journals Submission and Evaluation System http://online.journals.tubitak.gov.tr/login.htm	
				2. V. Sumotovka, <i>Perfection Factors of Photovoltaic Cells with p-n Junction Structure</i> , 2014 IEEE XXXIV International Scientific Conference Electronics and Nanotechnology (ELNANO), IEEEExplore, 10.1109/ELNANO.2014.6873924	3/4=0.75
			4. D. T. Cotfas, P. A. Cotfas, S. Kaplanis, <i>Methods to determine the dc parameters of solar cells: A critical review</i> , Renewable and Sustainable Energy Reviews, vol. 28, 2013, pp. 588-596, (EI-5.627)	1. Ortiz-Conde Adelmo, Garcia-Sánchez Francisco J., Muci Juan, Sucre-González Andres, <i>A review of diode and solar cell equivalent circuit model lumped parameter extraction procedures</i> , Facta universitatis - series: Electronics and Energetics 2014 Volume 27, Issue 1, Pages: 57-102, doi:10.2298/FUEE1401057O	3/3=1.00
				2. S Kaplanis, <i>Determination of the electrical characteristics and thermal behaviour of a c-Si cell under transient conditions for various concentration ratios</i> , International Journal of Sustainable Energy, 2014, 10.1080/14786451.2014.960416	3/3=1.00
				3. Ulbrich, C. Kurtz, S.; Jordan, D.; Gorig, M.; Gerber, A.; Rau, U., <i>Direct analysis of the current-voltage curves of outdoor-degrading modules</i> , Photovoltaic Specialist Conference (PVSC), 2014 IEEE 40th, doi: 10.1109/PVSC.2014.6925527	3/3=1.00
			5. D. Ursutiu, D. T. Cotfas, M. Ghercioiu, C. Samoilă, P. A. Cotfas, and M. Auer, <i>WEB Instruments</i> , in Education Engineering (EDUCON), 2010 IEEE, 2010, pp. 585-590.	1. Kondabathini, V.; Boutamina, S.; Vinjarapu, S.K.D., <i>A Theme to Unite The Resources of Different Remote Laboratories</i> , Technology for Education (T4E), 2011 IEEE International Conference on , vol., no., pp.51,55, 14-16 July 2011 doi: 10.1109/T4E.2011.16	3/6=0.50
				2. Maiti, A.; Maiti, C.K., <i>Development of remote laboratories using cloud architecture with web instrumentation</i> , Remote Engineering and Virtual Instrumentation (REV), 2013 10th International Conference on , vol., no., pp.1,4, 6-8 Feb. 2013 doi: 10.1109/REV.2013.6502902	3/6=0.50
				3. Maiti, A.; Kist, A.A.; Maxwell, A.D., <i>Using network enabled microcontrollers in experiments for a distributed remote laboratory</i> , Remote Engineering and Virtual Instrumentation (REV), 2014 11th International Conference on , vol., no., pp.180,186, 26-28 Feb. 2014 doi: 10.1109/REV.2014.6784250	3/6=0.50
				4. M. Kalúz, L. Cirka, R. Valo, M. Fikar, <i>ArPi Lab: A Low-cost Remote Laboratory for Control Education</i> , The International Federation of Automatic Control Cape Town, South Africa. August 24-29, 2014, Google Scholar	3/6=0.50
			6. D. Ursutiu, C. Samoilă, P. Cotfas,	1. Deaky, B.-A.; Bailey, P.H., <i>Towards Android clients for iLab Shared Architecture interactive laboratories</i> ,	3/7=0.43

				<p>D.T. Cotfas, D.V. Pop, M. E. Auer, D.G. Zutin, <i>Multifunction iLab Implemented Laboratory</i>, Global Engineering Education Conference Educon, Amman, 4-6 April 2011</p>	<p>Interactive Collaborative Learning (ICL), 2012 15th International Conference on , vol., no., pp.1,4, 26-28 Sept. 2012 doi: 10.1109/ICL.2012.6402231</p>	
					<p>2. Deaky, B.-A.; Zutin, D.G.; Bailey, P.H., <i>A detailed view of the first Android client application for the iLab Shared Architecture</i>, Global Engineering Education Conference (EDUCON), 2012 IEEE , vol., no., pp.1,6, 17-20 April 2012 doi: 10.1109/EDUCON.2012.6201204</p>	3/7=0.43
					<p>3. B. Deaky, D.G. Zutin, P.H. Bailey, <i>The First Android Client Application for the iLab Shared Architecture</i>, in International Journal of Online Engineering (iJOE), Vol. 8, No 1, 2012, pp. 4-7.</p>	3/7=0.43
				<p>7. D. T. Cotfas, P. A. Cotfas, D. Ursutiu, C. Samoila, <i>RELab - virtual laboratory of the renewable energy</i>, Remote Engineering and Virtual Instrumentation (REV), 2013 10th International Conference on</p>	<p>1. Bauer, P.; Rojko, A.; Ionel, R., <i>Distance learning module for solar electricity with programming of MPPT</i>, Power Electronics and Applications (EPE), 2013 15th European Conference on , vol., no., pp.1,8, 2-6 Sept. 2013 doi: 10.1109/EPE.2013.6634716</p>	3/4=0.75
				<p>8. P. A. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila, D. Iordache, <i>Chapter New Tools in Hardware and Software Design Applied for Remote Photovoltaic Laboratory</i></p>	<p>1. Pearson, T.R., <i>A full-featured remote laboratory for hands-on engineering education</i>, Frontiers in Education Conference, 2013 IEEE , vol., no., pp.1453,1455, 23-26 Oct. 2013 doi: 10.1109/FIE.2013.6685073</p>	3/5=0.60
				<p>9. D. T. Cotfas, Cotfas P., Ursutiu D., Samoila C., <i>The implementation of a biaxial monitoring system for the maximum of the solar radiation</i>, Symposium on remote Engineering and Virtual Instrumentation, Maribor, 2006.</p>	<p>1. Brana Liliana Samoila, Teodor Tabacaru, <i>Solar Panel Control System</i>, Annals of the University of Petroșani, Electrical Engineering, 13 (2011)</p>	3/4=0.75
				<p>10. P. N. Borza, D. T. Cotfas, P. A. Cotfas, A. Pologea, <i>Improvements on Photovoltaic Cells Test Bench System</i>, Journal of Engineering Science and Technology Review 5 (4), 38 - 41, 2012</p>	<p>1. T Liu, Z Zhang, <i>The Design and Implementation of Test System Based on Programmable Excitation Power Supply for Mining Comprehensive Protector</i>, Journal of Engineering Science and Technology Review 6 (3) (2013) 66- 70</p>	3/4=0.75
				<p>11. P. Cotfas, D. T. Cotfas, D. Ursutiu, C. Samoila, <i>NI Elvis Computer - Based Instrumentation</i>, NTS PRESS, USA Allendale, NJ 07401, 2012 (ISBN 978-1-934891-11-7)</p>	<p>1. Diana, C.; Ileana-Constanta, R., <i>G-code programming applied in human voice frequency analysis</i>, E-Health and Bioengineering Conference (EHB), 2013 , vol., no., pp.1,4, 21-23 Nov. 2013 doi: 10.1109/EHB.2013.6707245</p>	3/4=0.75
				<p>12. D. T. Cotfas, P. Cotfas, S. Kaplanis, D. Ursutiu, C. Samoila, <i>Sun tracker system vs fixed system</i>, Bulletin of the Transilvania</p>	<p>1. Z. Jagoo, <i>Book Solar Tracking - Tracking Solar Concentrators</i>, 2013 Tracking Solar Concentrators Springer Briefs in Energy 2013, pp 17-47</p>	3/5=0.60

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			13. C. Samoila, D. Ursutiu, P. Cotfas, D.T. Cotfas, <i>TRIZ Method and Remote Engineering Approach</i> , In Proceedings of the IEEE Global Engineering Education Conference (EDUCON), pp.1-4, 2013	1. Hajar Mat Jani, <i>Teaching TRIZ Problem-Solving Methodology in Higher Education: A Review</i> , International Journal of Science and Research (IJSR), India Online ISSN: 2319-7064, in 2013	3/4=0.75
			14. D.T. Cotfas, P.A. Cotfas, D. Ursutiu, C. Samoila, <i>Current-Voltage Characteristic Raising Techniques for Solar Cells. Comparisons and Applications</i> , proceedings Optim 2010	1. Gao, J.-H., Tang, J., Jia, L.-F., <i>A novel parameter extraction method for solar cells Dianli Xitong Baohu yu Kongzhi</i> , Power System Protection and Control Volume 40, Issue 9, 1 May 2012, Pages 133-136	3/4=0.75
			15. D. T. Cotfas, P. A. Cotfas, P. Borza, D. Ursutiu, C. Samoila, <i>Wireless system for monitoring the solar radiation</i> , Environmental Engineering and Management Journal, Vol.10, No. 8, pp.1133-1137, August 2011;	1. Asher G. Watts, Michal Prauzek, Petr Musilek, Emil Pelik'an, and Arturo Sanchez-Azofeifa, <i>Fuzzy Power Management for Environmental Monitoring Systems in Tropical Regions</i> , 2014 International Joint Conference on Neural Networks (IJCNN), IEEEExplore, 10.1109/IJCNN.2014.6889844	3/5=0.60
				2. M. Prauzek, A.G Watts, P. Musilek, L. Wyard-Scott, <i>Simulation of adaptive duty cycling in solar powered environmental monitoring systems</i> , Electrical and Computer Engineering (CCECE), 2014 IEEE 27th Canadian Conference on, IEEEExplore, 10.1109/CCECE.2014.6901008	3/5=0.60
			16. D. Ursutiu, C. Samoila, P. Cotfas, D.T. Cotfas, <i>Multifunctional System for Research and Education</i> , Int.Conference REV2010, Kassel University.Press, ISBN 978-3-89958-540-7, 2010	1. Bing Guo et al., <i>Research on Temperature Test System Based on LabVIEW</i> , Applied Mechanics and Materials, 155-156, 308, 2012, 10.4028/www.scientific.net/AMM.155-156.308	3/4=0.75
			17. D. Ursutiu, D. Iordache, P. A. Cotfas, D. T. Cotfas, and C. Samoila, <i>LabVIEW controlled NI-ELVIS web interface</i> , in Proc. Remote Eng. Virtual Instrum. (REV) 2011, Brasov, Romania, pp. 217-220	1. Mohamed Tawfik et al., <i>Putting Fundamentals of Electronic Circuits Practices Online, Technologies Applied to Electronics Teaching (TAEE)</i> , 2012, IEEEExplore, 10.1109/TAEE.2012.6235419	3/5=0.60
		Organizator Conferințe (3.3.3)	Rev.2011 (http://fizica.unibv.ro/rev2011/)		3*1=3.00
			EOARD (http://fizica.unibv.ro/eoard/)		3*1= 3.00
			Manifestari stiintifice impreuna cu National Instruments (5)		3*5=15.00
			CNIV 2009		3*1=3.00

3	Opzionale	Recenzii	ISI	ASME Journal of Solar Energy Engineering	10*3=30.00
			BDI	International Journal of Online Engineering (iJOE). ISSN: 1861-2121	6*2=12.00
				12th International Conference on Remote Engineering and Virtual Instrumentation – REV2015	6*2=12.00
				11th International Conference on Remote Engineering and Virtual Instrumentation – REV2014	6*3=18.00
				9th International Conference on Remote Engineering and Virtual Instrumentation – REV2012	6*3=18.00
				8th International Conference on Remote Engineering and Virtual Instrumentation – REV2011	3*3=9.00
		Premii	Int.	National Instruments Graphical System Design Achievement Awards 2013 Education Winner	10*1=10.00
				National Instruments Graphical System Design Achievement Awards 2013 NI Community's Choice	10*1=10.00
				National Instruments Graphical System Design Achievement Awards 2013 Editor's Choice Award	10*1=10.00
				Best paper (poster) at REV 2012 Embedded system for mini solar vehicle (http://rev-conference.org/REV2012/)	10*1=10.00
		Membri asociații	Nat.	1st prize at 2012 Romania NIDays Paper Contest	5*1=5.00
			Int.	International Association of Online Engineering	5*1=5.00
				IEEE Membership	5*1=5.00
				IEEE Education Society Membership	5*1=5.00
			Nat.	Societatea Română de Fizică	2*1=2.00
				Creding	2*1=2.00

Director de departament,
Prof. Dr. Ing. Mihai Romanca



Candidat,
Șef Luc. Dr. Petru A. Cotfas

