

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

Poz. postului 18
Disciplinele postului: Optoelectronică; Fizică;
Surse de energie alternative

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR UNIVERSITĂŢII
Conferenţiar, poziţia 18

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Candidat: Cotfas Daniel Tudor
Funcţia actuală Şef Lucrări

Data naşterii 24.07.1970
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 şi Fizică	1990-1995	Profesor
2	Universitatea Transilvania din Braşov	Statistică, probabilităţi şi fiabilitatea sistemelor	2000-2001	Master

2. Studii de doctorat

Nr. crt.	Instituţia organizatoare de doctorat	Domeniul	Perioada	Titlul ştiinţific acordat
1	Universitatea Transilvania din Braşov	Inginerie Industrială	2002-2008	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

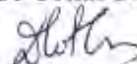
Calitatea activităţilor didactice/ profesionale	Din Fişa de evaluare şi din Propunerea de dezvoltare a carierei universitare
Lucrări publicate în reviste de specialitate recunoscute naţional internaţional	<ol style="list-style-type: none"> D. T. Cotfas, P. A. Cotfas, S. Kaplanis, <i>Methods to determine the dc parameters of solar cells: A critical review</i>, Renewable and Sustainable Energy Reviews, vol. 28, 2013, pp. 588–596 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 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 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-

	<p>1137, August 2011; ISSN: 1582-9596</p> <p>5. 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</p>
Lucrări prezentate la conferințe naționale/ internaționale în profilul postului	<p>1. 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</p> <p>2. 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 (OPTIM), 2010, IEEEExplore, 10.1109/OPTIM.2010.5510373, ISSN: 1842-0133, Print ISBN: 978-1-4244-7019-8</p> <p>3. 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</p> <p>4. 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 Catalog Number: IEEE Xplore 10.1109/REV.2012.6293139.</p> <p>5. 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</p>
Volum(e) de specialitate publicat(e) în edituri recunoscute național	<p>1. D.T. Cotfas, P. A. Cotfas: Chapter IX: <i>PV Innovative Techniques and Experimental Test Sets</i>, in 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. D.T. Cotfas, <i>Celule fotovoltaice</i>, Ed. Universității Transilvania din Brașov, 2010, (ISBN978-973-598-771-8)</p> <p>3. D.T. Cotfas, <i>Optoelectronică</i>, Editura Universitatii Transilvania din Brașov, 2014, (ISBN: 978-606-19-0455-6)</p> <p>4. P.A. Cotfas, D.T. Cotfas, D. Ursutiu, C. Samoila, D. Iordache, <i>Chapter 3, New Tools in Hardware and Software Design Applied for Remote Photovoltaic Laboratory</i>, in 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.</p>

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



Candidat,
Șef Luc. Dr Cotfas Daniel Tudor



Fișa de verificare a îndeplinirii standardelor minimale naționale

Criteri minimale pentru Comisia de Inginerie Electrică

Criteriu	Cerinte minimale (punctaj)	Realizat (punctaj)
Activitate Didactică și Profesională (A1)	40	91.3
Activitatea de cercetare (A2)	150	432.37
Recunoașterea impactului cercetării (A3)	30	285.50+64
Total	220	809.17+64

Criteriu	Cerinte minimale	Nr.	Realizat	Nr.
Activitate Didactică și Profesională (A1)	Cărți	2	Cărți	4
	Curs	1	Curs	2
	Îndrumar	1	Îndrumar	3
Activitatea de cercetare (A2)	Art. ISI	5	Art. ISI	17
	Art. BDI	8	Art. BDI	26
	Director de proiect	1	Director de proiect	2

Comisia Inginerie Electrică

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)	1. P. Cotfas, D. T. Cotfas , D. Ursuțiu, C. Samoilă: <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	192/2*4 =24
				2. S. Kaplanis and E. Kaplani, <i>Renewable Energy Systems: Theory, Innovations and Intelligent Applications</i> , D. T. Cotfas and P. A. Cotfas: Chapter IX: <i>PV Innovative Techniques and Experimental Test Sets</i> , Nova Science Publishers, USA, 2013 ISBN: 978-1-62417-744-6, pp. 525-546	22/2*2 =5.5
				3. P. A. Cotfas, D. T. Cotfas , D. Ursutiu, C. Samoilă, 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

2	Activitatea de cercetare (A2)	Suport Didactic (1.2)	Naționale (1.1.1.2)	4. 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 = 6,2
			Suport Curs (1.2.1)	1. D. T. Cotfas , <i>Celule fotovoltaice</i> , Ed. Universității Transilvania din Brașov, 2010, (ISBN978-973-598-771-8). nr.pag.253	253/10*1 = 25,3
				2. D. T. Cotfas , <i>Optoelectronica</i> , Editura Universitatii Transilvania din Brasov, 2014, (ISBN: 978-606-19-0455-6), nr.pag.177	177/10*1 = 17,7
			Îndrumare de laborator (1.2.2)	1. D. T. Cotfas , <i>Solar cells: Practical applications</i> , Ed. Universității Transilvania din Brașov, 2004, (ISBN973-635-303-6),	100/20*1 = 5,3
				2. D. T. Cotfas , <i>Optoelectronica-Indrumar de laborator</i> , Ed. Universității Transilvania din Brașov, 2014, (ISBN: 978-606-19-0456-3) nr.pag.61	61/20*1 = 3,5
				3. 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
		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*0.9 25)/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
				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 = 12.5
				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, vol. 28, 2013, pp. 588–596, (FI-5.627, SRI-2.4).	(25+20*5.5 1)/3 = 45,07
				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*0.1 86)/3 = 9,57
				7. G. Șerban, D. T. Cotfas , P. A. Cotfas, <i>Significant</i>	(25+20*0.1

				<i>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)	86)/3 =9,57
			8.	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*1.258)/5 =10.03
			9.	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*0)/6 =4,17
			10.	P. Vizureanu, C. Samoila, D. T. Cotfas , S. Kaplanis, <i>The achievement of an algorithm for the design of a solar furnace</i> , Metalurgia International, vol. XV, no.2, pp. 5-14, 2010;	(25+20*0)/4 =6.25
			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*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*0)/4 =6.25
			13.	Petrică Vizureanu, Cornel Samoila, D. T. Cotfas , <i>Materials processing using solar energy</i> , Environmental Engineering and Management Journal, March/April, Vol.8, No.2, 301-306, 2009;(FI-1.44, SRI – 0.111)	(25+20*1.258)/3 =16.72
			14.	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*0)/4 =6.25
			15.	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*0)/4 =6.25
			16.	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 (OPTIM), 2010, IEEE Xplore, 10.1109/OPTIM.2010.5510373, ISSN: 1842-0133, Print ISBN: 978-1-4244-7019-8	(25+20*0)/4 =6.25

			17. P. Vizureanu , S. Cornel, D. C. Achitei, M. C. Perju, R. G. Ștefăniță, D. T. Cotfas , <i>Interdisciplinary researches of the potential limits for the solar energy in solids on heating-melting range</i> , ModTech International Conference - New face of TMCR, 20-22 May 2010, IDS Number: BRF28, ISSN: 2066-3919, pp: 671-674, Web of Science® – with Conference Proceedings	(25+20*0)/6 =4.17
			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
			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
			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
			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= 2,5
			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
			9. D. T. Cotfas , P. A. Cotfas, D. Ursutiu, C. Samoila, <i>Energy balance for different positions of photovoltaic</i>	20/4= 5

Articole în Baze de date internaționale (BDI) (2.2)

				<i>panels</i> , REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao, June 2012, IEEE Xplore 10.1109/REV.2012.6293139	
				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, IEEE Xplore, 10.1109/OPTIM.2012.6231814	20/4= 5
				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
				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
				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
				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
				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., IEEE Xplore, 10.1109/OPTIM.2012.6231969	20/4= 5
				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 : 10.1109/EDUCON.2010.5492525	20/6= 3.33
				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	20/5= 4

				Object Identifier : 10.1109/EDUCON.2010.5492398 (IEEE Xplore)	
				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
				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
				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
				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
				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
				25. C. Samoilă, D. Ursuțiu, 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
				26. 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
		Granturi/Proiecte câştigate prin competiție (2.3)	Internaționale	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, Director (2.3.1.1)	20*1=20
				2. Industrial Cooperation and creative engineering education based on remote engineering and virtual instrumentation-ICo-op (2013), Membru (2.3.2.1)	4*1=4
				3. Improving the performances of new nanostructures processed by laser techniques for use in concentrated light applications (2013) Sfera I, Membru (2.3.2.1)	4*1=4
				4. Evaluation of the solar concentrated charger possibilities in very fast charging of supercapacitors (2013) Sfera I, Membru (2.3.2.1)	4*1=4
				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 (2.3.2.1)	4*3=12
				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 (2.3.2.1)	4*2=8

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				2. 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 Membru (2.3.2.2)	2*3= 6
				3. Cercetari avansate de corelatie a tehnologiilor nanometrice cu ingineria suprafetelor si crearea unie noi generatii de instalatii multifunctionale "THIN FILMS"-CEEX 101(2006-2008) Membru (2.3.2.2)	2*3= 6
				4. 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 (2.3.2.2)	2*3= 6
				5. Tehnologii avansate utilizand senzori de proces pentru obtinerea de straturi rezistente la uzura, coroziune si oboseala CEEX 152-CARTE NOMINE (2006-2008) Membru (2.3.2.2)	2*3= 6
				6. Contract Idei - Cercetari interdisciplinare de stabilire a limitelor de potential ale energiei solare. Corpuri solide pe intervalul incalzire- topire, (2007-2010) Membru (2.3.2.2)	2*3= 6
			Terți (2.4)	1. Vendor Master Services Agreement National Instrument (2014) Membru (2.4.2)	2*1= 2
				2. Sistem wireless de management al energiei și apei (2013) IAR Membru (2.4.2)	2*1= 2
				3. Scientific Grant for Creativity Laboratory and LabVIEW Academy (2012) Membru (2.4.2)	2*1= 2
				4. Sistem wireless de management al energiei electrice, gazului metan si aerului comprimat (2012-2013) IAR Membru (2.4.2)	2*1= 2
				5. Sistem inteligent pentru managementul energiei oferite de panourile solare la alimentarea lampilor cu senzori de infrarosu (2011-2012) Steinel Membru (2.4.2)	2*2= 4
				6. Sistem de monitorizare wireless a bailor galvanice, Contract cu IAR Ghimbav (2010) Membru (2.4.2)	2*1= 2
				7. Contract Nr. ACN 069417563 Australia – Educational Grant Proposal (DATEx and FOTEx) (2009-2010) Emona Membru (2.4.2)	2*2= 4
				8. NI-ELVIS II-EDUCATIONAL GRANT (2009) Membru (2.4.2)	2*1= 2
				9. Contract cu ROMTELECOM 2007 Membru (2.4.2)	2*1= 2
			ISI (3.1.1)	1. Petrică Vizureanu, Cornel Samoilă, D. T. Cofas, <i>Materials processing using solar energy</i> , Environmental Engineering and Management Journal, March/April, Vol.8, No.2, 301-306, 2009;	5/3= 1,67
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		Profesor Invitat	Int.	TEI of Western Greece, Master		20

		(3.2)			
		Organizat or Conferință	(3.3.3)	Rev.2011 (http://fizica.unitbv.ro/rev2011/)	3*1= 3
				Manifestari stiintifice impreuna cu National Instruments (5)	3*5= 15
				CNIV 2009	3*1= 3
		Recenzii	ISI (3.3.1)	Renewable & Sustainable Energy Reviews	10*3= 30
				IEEE Transactions on Instruments	10*2= 20
				ASME Journal of Solar Energy Engineering	10*2= 20
				Indian Journal of Pure & Applied Physics (IJPAP)	10*1= 10
				SURFACE AND COATINGS TECHNOLOGY	10*1= 10
				Optimization of Electrical and Electronic Equipment OPTIM 2014	10*2= 20
			BDI (3.3.2)	IEEE IES IECON10 Manuscript	6*1= 6
				ICCMSE 2014 (International Conference on Computational Methods in Sciences and Engineering 2014)	6*1= 6
				12th International Conference on Remote Engineering and Virtual Instrumentation – REV2015	6*3= 12
				11th International Conference on Remote Engineering and Virtual Instrumentation – REV2014	6*3= 18
				10 th International Conference on Remote Engineering and Virtual Instrumentation – REV2013	6*2= 12
				9 th International Conference on Remote Engineering and Virtual Instrumentation – REV2012	6*2= 12
			Conf.	8th International Conference on Remote Engineering and Virtual Instrumentation – REV2011	3*3= 9
3	Opțional	Premii	Int.	National Instruments Graphical System Design Achievement Awards 2013 Education Winner	10*1= 10
				National Instruments Graphical System Design Achievement Awards 2013 NI Community's Choice	10*1= 10
				National Instruments Graphical System Design Achievement Awards 2013 Editor's Choice Award	10*1= 10
				Best paper (poster) at REV 2012 Embedded system for mini solar vehicle (http://rev-conference.org/REV2012/)	10*1= 10
			Nat.	1st prize at 2012 Romania NIDays Paper Contest	5*1= 5
		Membru asociații	Int.	International Association of Online Engineering	5*1= 5
				IEEE Membership	5*1= 5
				IEEE Communications Society Membership	5*1= 5
			Nat.	Societatea Română de Fizică	2*1= 2
				Creding	2*1= 2

Data
6.01.2015

Șef Luc. Dr. Daniel Tudor Cotfas



Director Departament,
Prof. Dr. Ing. Romanca Mihai

