

UNIVERSITATEA DIN PITEȘTI

Facultatea de Electronică, Comunicații și Calculatoare
 Departamentul de Electronică, Calculatoare și Inginerie
 electrică

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Îndeplinirea standardelor minime naționale (Cf. O.M. nr. 6.560 din 20.12.2012, Anexa nr. 11 – Comisia Electronică, telecomunicații și nanotehnologie).

Criteriu	Punctaj	
	Condiții minime pe categorii	Realizat
A1 - Activitatea didactica si profesionala	100	160
A2 - Activitatea de cercetare	500	525,46
A3 - Recunoașterea si impactul activității	100	434,06
TOTAL (A)	700	1119,52

Subcategorii	Punctaj	
	Condiții minime obligatorii pe subcategorii	Realizat
A1.1.1 - A1.1.2 Cărți și capitole în cărți	4 cărți/capitole	5
A1.2.1 - A1.2.2 Material didactic/Lucrări didactice	2	5
A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	12	19
A2.4.1 Granturi/proiecte câștigate prin competiție (Director/responsabil)	2	2
A3.1.1 - A3.1.2 Număr de citări în cărți, reviste, și volume ale unor manifestări științifice ISI sau BDI	20	110
Factor de impact cumulat pentru publicații	6	6,978

Anexa: Fișa de verificare a îndeplinirii standardelor minime specifice domeniului.

ANEXA

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE

Cf. O.M. nr. 6560 din 20.12.2012, Anexa nr. 11 – Comisia Electronică, telecomunicații și nanotehnologie

A1. Activitatea didactica si profesionala					
				Denumire	Punctaj
A1	Activitatea didactica si profesionala	Carti si capitole in carti in edituri recunoscute (carti/monografii/capitole ca autor)	A1.1.1 - internationale	Petre Anghelescu – "Cellular Automata Algorithms for Digital Image Processing", Intelligent Analysis of Multimedia Information, IGI Global, pp. 212-231, 2017. DOI: 10.4018/978-1-5225-0498-6.ch007	25
				Petre Anghelescu – "Cryptographic Techniques Based on Bio-Inspired Systems", Handbook of Research on Advanced Hybrid Intelligent Techniques and Applications, IGI Global, pp. 59-77, 2016. DOI:10.4018/978-1-4666-9474-3.ch003	25
			A1.1.2 - nationale	Petre Anghelescu – "AUTOMATE CELULARE – fundamente și abordări practice cu aplicații în criptare", Editura MATRIX ROM, 237 pag., ISBN 978-973-755-821-3, București, 2012.	20
				Petre Anghelescu – "Elemente de Inteligență Artificială și Prolog – Teorie și Aplicații", Editura Matrix ROM, 130 pag., ISBN 978-973-755-561-8, București, Ianuarie 2010.	20
		Material didactic/Lucrări didactice (manuale didactice)	A1.2.1	Silviu Ioniță, Petre Anghelescu – "Ghid pentru realizarea proiectului de diplomă. Cu exemple din domeniul Calculatoare și Tehnologia informației", Editura Universitară, 120 pag., ISBN 978-606-591-301-1, DOI: 10.5682/9786065913011, București, 2011.	10
				Laurentiu Ionescu, Alin Mazare, Gheorghe Serban, Gabriel Iana, Petre Anghelescu – "Aplicații cu sisteme în timp real", Editura Matrix ROM, 193 pag., ISBN 978-973-755-611-0, București, Iunie 2010.	10
				Gabriel Iana, Gheorghe Serban, Laurentiu Ionescu, Petre Anghelescu – "Programarea cu Limbaje de Descriere Hardware – Aplicații în limbajul VHDL", Editura Matrix ROM, 165 pag., ISBN 978-973-755-562-5, București, Ianuarie 2010.	10
				Alexandru Ene, Petre Anghelescu – "Structuri de date și algoritmi. Lucrări de laborator", Editura Universității din Pitești, 138 pag., ISBN 978-973-690-953-5, Pitești, 2009.	10
				Petre Anghelescu , Ilie Popa – "Algoritmi de programare paralelă și distribuită – Lucrări practice", Editura Matrix ROM, 197 pag., ISBN 978-973-755-435-2, București, Decembrie 2008.	10
TOTAL A1:					160

A2. Activitatea de cercetare					
				Denumire	Punctaj
A2	Activitatea de cercetare	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	A2.1	Petre Anghelescu , “ <i>FPGA implementation of programmable cellular automata encryption algorithm for network communications</i> ”, International Journal of Computer Systems Science and Engineering (CSSE), volume 31, number 5, ISSN: 0267-6192, september 2016. Impact factor: 0.348 (2016). WOS:000393361100003	$(25+20*0.348) / 1 =$ 31,96
				Petre Anghelescu , Silviu Ionita, Vasile-Gabriel Iana, “ <i>High-Speed PCA Encryption Algorithm using reconfigurable computing</i> ”, Journal Cybernetics and Systems (Taylor & Francis), ISSN: 0196-9722, ID: 783375, Volume 44, Iss. 4, 2013. (http://www.tandfonline.com/loi/ucbs20). Impact factor: 1.434 (2016). DOI: 10.1080/01969722.2013.783375 WOS:000320016100001	$(25+20*1.434) / 3 =$ 17,89
				Petre Anghelescu , Silviu Ionita, Emil Sofron, “ <i>Encryption Technique with Programmable Cellular Automata (ETPCA)</i> ”, Publisher: OLD CITY PUBLISHING INC, Journal of Cellular Automata , Volume: 5, Issue: 1-2, ISSN: 1557-5969, pag. 79-105, January 2010. Impact Factor: 0.696 (2016). WOS:000271530800004	$(25+20*0.696) / 3 =$ 12,97
				Petre Anghelescu , Vlad Gabriel Iliescu, Constantin Mara, Mihai Bogdan Gavrioloaia, “ <i>Automatic Thresholding Method for Edge Detection Algorithms</i> ”, The 8 th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2016, Vol. 8, No. 3, ISSN – 1843 – 2115, pp. SW35 – SW38, 30 June – 02 July 2016. DOI: 10.1109/ECAI.2016.7861099 WOS:000402541200035	$(25+20*0.25) / 4 =$ 7,50
				Gheorghe Serban, Gabriel Vasile Iana, Petre Anghelescu , “ <i>Fault detection of direct radiator loudspeaker systems by phase characterisation</i> ”, The 8 th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2016, Vol. 8, No. 3, ISSN – 1843 – 2115, pp. EQ43 – EQ46, 30 June – 02 July 2016. DOI: 10.1109/ECAI.2016.7861082 WOS:000402541200018	$(25+20*0.25) / 3 =$ 10
				Bogdan Gavrioloaia, Radu Vizireanu, Octavian Fratu, Cristian Barca, Constantin Mara, Petre Anghelescu , “ <i>Design of Multiband Microwave Filter with Asymmetric Polygonal Microstrip Loops</i> ”, The 8 th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2016, Vol. 8, No. 3, ISSN – 1843 – 2115, pp. YO05 – YO08, 30 June – 02 July 2016. DOI: 10.1109/ECAI.2016.7861105 WOS:000402541200041	$(25+20*0.25) / 6 =$ 5
				Petre Anghelescu , Gabriel Iana, Ionut Tramandan, “ <i>Human footstep detection using seismic sensors</i> ”, The 7 th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2015, Vol. 7, Number 2/2015, ISSN – 1843 – 2115, pp. 14 – 18, Bucharest, 25 – 27 June 2015. DOI: 10.1109/ECAI.2015.7301179 WOS:000370971100044	$(25+20*0.25) / 3 =$ 10
				Gabriel Iana, Petre Anghelescu , “ <i>Vibration monitoring system for human activity</i> ”	$(25+20*0.25) / 2 =$

			<p><i>detection</i>”, The 7th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2015, Vol. 7, Number 2/2015, ISSN – 1843 – 2115, pp. 41 – 44, Bucharest, 25 – 27 June 2015. DOI: 10.1109/ECAI.2015.7301184 WOS:000370971100049</p>	<p>15</p>
			<p>Cristian Barca, Dan Claudiu Barca, Constantin Mara, Petre Anghelescu, Bogdan Gavrioloaia, Radu Vizireanu, Razvan Craciunescu, Octavian Fratu, “<i>Improving Storage Capacity by Distributed Exact Deduplication Systems</i>”, The 7th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2015, Vol. 7, Number 1/2015, ISSN – 1843 – 2115, pp. 11 – 16, Bucharest, 25 – 27 June 2015. DOI: 10.1109/ECAI.2015.7301141 WOS:000370971100006</p>	<p>$(25+20*0.25) / 8 =$ 3,75</p>
			<p>Petre Anghelescu, Cosmin Stirbu, “Cellular Automata Based Algorithm for Image Density Classification Task”, The 6th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2014, Vol. 6, Number 3/2014, ISSN – 1843 – 2115, pp. 5 – 9, Bucharest, 23 – 25 October 2014. DOI: 10.1109/ECAI.2014.7090170 WOS:000380489500057</p>	<p>$(25+20*0.25) / 2 =$ 15</p>
			<p>Petre Anghelescu, Stefan Angelescu, Silviu Ionita, “Real-time Audio Effects with DSP Algorithms and DirectSound”, The 6th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2014, Vol. 5, Number 5/2014, ISSN – 1843 – 2115, pp. 35 – 40, Bucharest, 23 – 25 October 2014. DOI: 10.1109/ECAI.2014.7090207 WOS:000380489500042</p>	<p>$(25+20*0.25) / 3 =$ 10</p>
			<p>Petre Anghelescu, Ionut Serbanescu, Silviu Ionita, “<i>Surveillance system using IP camera and face-detection algorithm</i>”, The 5th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2013, Vol. 5, Number 4/2013, ISSN – 1843 – 2115, pp. 47 – 52, Pitesti, 27 – 29 June 2013. DOI: 10.1109/ECAI.2013.6636188 WOS:000343672500037</p>	<p>$(25+20*0.25) / 3 =$ 10</p>
			<p>Petre Anghelescu, “<i>Hardware Implementation of Programmable Cellular Automata Encryption Algorithm</i>”, 35th International Conference on Telecommunications and Signal Processing, TSP 2012, Praga, Cehia, ISBN: 978-1-4673-1116-8, IEEE Catalog Number: CFP1288P-CDR, pag. 18 – 21, 3-4 July 2012. DOI: 10.1109/TSP.2012.6256189 WOS:000308143100003</p>	<p>$(25+20*0.25) / 1 =$ 30</p>
			<p>Gabriel Iana, Petre Anghelescu (corresponding author), Gheorghe Serban, “<i>RSA Encryption Algorithm Implemented on FPGA</i>”, 2011 International Conference on Applied Electronics, ISBN: 978-80-7043-987-6, Print ISBN: 978-1-4577-0315-7, ISSN: 1803 – 7232, IEEE Catalog Number: CFP1169A-PRT, pag. 177 – 180, Cehia, Pilsen, 07 – 08 September 2011, http://www.appel.zcu.cz/. WOS:000305136600041</p>	<p>$(25+20*0.25) / 3 =$ 10</p>
			<p>Gabriel V. Iana, Gheorghe Serban, Petre Anghelescu, Laurentiu Ionescu, “<i>Optimization of Sigma-Delta Modulator Based on Artificial Immune Algorithms</i>”, 12th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2010, ISBN: 978-1-4244-7020-4, pag. 1010 – 1015, Brasov, 20-22 May 2010. DOI: 10.1109/OPTIM.2010.5510362 WOS:000291967300150</p>	<p>$(25+20*0.25) / 4 =$ 7,50</p>

			<p>Petre Anghelescu, Silviu Ionita, Ionel Bostan, “<i>Design of Programmable Cellular Automata Based Cipher Scheme</i>”, World Congress on Nature and Biologically Inspired Computing, NaBIC 2009, Coimbatore, India, IEEE Catalog Number: CFP0995H-CDR, ISBN: 978-1-4244-5612-3, Library of Congress: 2009907135, pag. 187-192, 9-11 December 2009. DOI: 10.1109/NABIC.2009.5393680 WOS:000288686500032</p> <p>Petre Anghelescu, Emil Sofron, Cristian-Iulian Răncu, Vasile-Gabriel Iana – „<i>Programmable Cellular Automata Based Encryption Algorithm</i>”, The 31th International Semiconductor Conference, CAS 2008, Sinaia, Romania, 13-15 octombrie 2008, IEEE Catalog Number: CFP08CAS-PRT, ISBN 978-1-4244-2004-9, ISSN: 1545-827X, pag. 351-354, 2008. DOI: 10.1109/SMICND.2008.4703423 WOS:000267590800073</p> <p>Petre Anghelescu, Emil Sofron, Silviu Ionita –, „<i>VLSI Implementation of High-Speed Cellular Automata Encryption Algorithm</i>”, The 30th International Semiconductor Conference, CAS 2007, Sinaia, Romania, 15-17 octombrie 2007, IEEE Catalog Number: 07TH8934, ISBN 1-4244-0847-4, ISSN: 1545-827X, pag. 509-512, 2007. DOI: 10.1109/SMICND.2007.4519772 WOS:000255865200110</p> <p>Petre Anghelescu, Emil Sofron, Silviu Ionita, Laurentiu Ionescu –, „<i>FPGA Implementations of Cellular Automata for Pseudo-Random Number Generation</i>”, The 29th International Semiconductor Conference, CAS 2006, Sinaia, Romania, 27-29 septembrie 2006, IEEE Catalog Number: 06TH8867, ISBN 1-4244-0109-7, pag. 371-374, 2006. DOI: 10.1109/SMICND.2006.284022 WOS:000243090700078</p>	<p>$(25+20 \cdot 0.25) / 3 =$ 10</p> <p>$(25+20 \cdot 0.25) / 4 =$ 7,50</p> <p>$(25+20 \cdot 0.25) / 3 =$ 10</p> <p>$(25+20 \cdot 0.25) / 4 =$ 7,50</p>	
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI).	A2.2	<p>Mihai Emilian Preoteasa, Petre Anghelescu, “<i>Informatic system used in telephone franchises SIVET</i>”, Scientific Bulletin, Series: Electronics and Computers Science, Revista categoria B+ CNCS, Vol. 16, Issue 1, ISSN: 1453–1119, pg. 11-16, 2016. Indexare: Index Copernicus Journal Master List, Genamics Database.</p> <p>Cosmin Stirbu, Petre Anghelescu, “<i>Distributed System Based on Neural Networks to Faults Diagnosis</i>”, Scientific Bulletin, Series: Electronics and Computers Science, Revista categoria B+ CNCS, Vol. 13, Issue 1/2014, ISSN – 1453 – 1119, pag. 1-6, 2014 http://fecc_bulletin.upit.ro/. Indexare: Index Copernicus Journal Master List, Genamics Database.</p> <p>Petre Anghelescu, “<i>Programmable Cellular Automata Encryption Algorithm Implemented in Reconfigurable Hardware</i>”, The International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems, IJATES2, ISSN: 1805-5443, Volume 2, No. 2, pag. 73-78, 2013, http://www.ijates.org/index.php/ijates/index. DOI: 10.11601/ijates.v2i2.12 Indexare: Google Scholar.</p> <p>Vasile-Gabriel Iana, Petre Anghelescu (corresponding author), Gheorghe Serban, Cristian-Iulian Rincu, “<i>SHA-1 Cryptographic Algorithm Implemented on FPGA</i>”, Scientific Bulletin, Series: Electronics and Computers Science, Revista categoria B+ CNC SIS, Vol. 1/2012, ISSN – 1453 – 1119, pag. 7-12, 2012 http://fecc_bulletin.upit.ro/. Indexare: Index Copernicus Journal Master List, Genamics Database.</p>	<p>$20 / 2 =$ 10</p> <p>$20 / 2 =$ 10</p> <p>$20 / 1 =$ 20</p> <p>$20 / 4 =$ 5</p>

			<p>Petre Anghelescu, “<i>Security of Telemedical Applications over the Internet using Programmable Cellular Automata</i>”, International Journal of Intelligent Computing Research, IJICR, Volume 3, Issue 1/2, ISSN: 2042-4655, pag. 245-251, 2012, http://www.infonomics-society.org/IJICR/. DOI: 10.20533/ijicr.2042.4655.2012.0030 Indexare: Google Scholar.</p>	20/1= 20
			<p>Petre Anghelescu, “<i>Parallel Algorithms for Matrix Multiplication</i>”, 2nd International Conference on Future Computers in Education, ICFCE 2012, Lecture Notes in Information Technology, Vols. 23-24, Shanghai, China, ISBN: 978-1-61275-014-9, ISSN: 2070-1918, pag. 65-71, 1-2 June 2012, http://www.ier-institute.org/2070-1918/Init23/index.htm. Indexare: Google Scholar.</p>	20/1= 20
			<p>Petre Anghelescu, “<i>Encryption of Multimedia Medical Content using Programmable Cellular Automata</i>”, World Congress on Internet Security, WorldCIS-2012, Canada, Print ISBN: 978-1-4673-1108-3, IEEE INSPEC Accession Number: 12948857, pag. 11-16, 10-12 June 2012, http://www.worldcis.org/. EID: 2-s2.0-84867183007 Indexare: Scopus, IEEE Xplore, Google Scholar.</p>	20/1= 20
			<p>Petre Anghelescu, “<i>Encryption Algorithm using Programmable Cellular Automata</i>”, World Congress on Internet Security, WorldCIS-2011, London, England, ISBN: 978-0-9564263-7-6, IEEE INSPEC Accession Number: 11945844, pag. 247-253, 21-23 February 2011, http://www.worldcis.org/. EID: 2-s2.0-79955900470 Indexare: Scopus, IEEE Xplore, Google Scholar.</p>	20/1= 20
			<p>Petre Anghelescu, Silviu Ionita, Vasile-Gabriel Iana, “<i>FPGA Implementation of Cellular Automata Based Encryption Algorithm for Internet Communications</i>”, The 6th International Conference on Internet Technology and Secured Transactions, ICITST 2011, ISBN: 978-1-908320-00-1, pag. 208-213, UAE, Abu Dhabi, 11 – 14 December 2011, http://www.icitst.org/. EID: 2-s2.0-84857480182 Indexare: Scopus, IEEE Xplore, Google Scholar.</p>	20/3= 6, 66
			<p>Silviu Ionita, Alin Mazare, Laurentiu Ionescu, Petre Anghelescu, „<i>Indoor Broadcasting System for Personalized TV Emissions Addressed to Tele-Assisted Persons</i>”, Telematic applications, pp. 208-212, 2010. DOI: 10.3182/20101005-4-RO-2018.00063 Indexare: DBLP.</p>	20/4= 5
			<p>Petre Anghelescu, Monica Chita, Laurentiu Ionescu, „<i>Hardware implementation of a pseudo-random number generator based on the cellular automat theory</i>”, 17th Symposium IMEKO TC4 - Measurement of Electrical Quantities, 15th International Workshop on ADC Modelling and Testing, and 3rd Symposium IMEKO TC19 - Environmental Measurements, pp. 661-665, 2010. EID: 2-s2.0-84872571204 Indexare: Scopus.</p>	20/3= 6, 66
			<p>Petre Anghelescu, “<i>Evolving Cellular Automata for Density Classification Task</i>”, Scientific Bulletin, Series: Electronics and Computers Science, Vol. 1/2010, ISSN – 1453 – 1119, pp. 10-18, Revistă categoria B+, 2010. Indexare: <i>Index Copernicus Journal Master List, Genamics Database.</i></p>	20/1= 20
			<p>Petre Anghelescu – “<i>Block Cipher Algorithm Based on Programmable Cellular Automata</i>”, World Congress on Nature and Biologically Inspired Computing, NaBIC 2010, Kitakyushu, Japonia, IEEE Catalog Number: CFP1095H-CDR, ISBN: 978-1-4244-7375-5, Print ISBN: 978-1-4244-7377-9, INSPEC Accession Number: 11834829, , pag. 72-77, 15-17 December 2010.</p>	20/1= 20

				<p>DOI: 10.1109/NABIC.2010.5716270 Indexare: Scopus, IEEE Xplore, DBLP.</p>	
				<p>Gabriel V. IANA, Petre ANGHELESCU, Neacsă TRAIAN, Gheorghe SERBAN “Optimal Implementation of Cryptographic Algorithms on FPGA”, Scientific Bulletin, Series: Electronics and Computers Science, Vol. 2/2010, ISSN – 1453 – 1119, pp. 17-22, Revistă categoria B+, 2010. Indexare: <i>Index Copernicus Journal Master List, Genamics Database.</i></p>	20/4= 5
				<p>Petre Anghelescu, Silviu Ionita, Emil Sofron, „FPGA Implementation of Hybrid Additive Programmable Cellular Automata Encryption Algorithm”, The 8th International Conference on Hybrid Intelligent Systems, HIS 2008, IEEE Computer Society Press, ISBN 978-0-7695-3326-1, INSPEC Accession Number: 10234541, Barcelona – Spania, 10–12 septembrie 2008, pp. 96-101, 2008. DOI: 10.1109/HIS.2008.24 Indexare: Scopus, IEEE Xplore, DBLP.</p>	20/3= 6,66
				<p>Petre Anghelescu, Silviu Ionita, Emil Sofron, „Block Encryption Using Hybrid Additive Cellular Automata”, The 7th International Conference on Hybrid Intelligent Systems, HIS 2007, IEEE Computer Society Press, Library of Congress Number 2007936727, Product Number E2946, ISBN 0-7695-2946-1, Kaiserslautern – Germania, 17–19 septembrie 2007, pp. 132-137, 2007. DOI: 10.1109/HIS.2007.23 Indexare: Scopus, IEEE Xplore, DBLP.</p>	20/3= 6,66
	Proprietate intelectuală , brevete de invenție, certificate ORDA.	A2.3.1 - internationale			
		A2.3.2 - nationale		Silviu Ionita, Alin Mazare, Laurentiu Ionescu, Petre Anghelescu , „Sistem cu radio-relevu translator programabil pentru telecomenzi în IR”, (System with programmable translating radio-rely for IR remote control), cerere OSIM nr: 126719A0 din 28.10.2010, Număr brevet: 126719 B1.	25 / 4= 6,25
	Granturi/proiecte castigate prin competitie	A2.4.1.1 - internationale (Director/responsabil)		-	-
		A2.4.1.2 - nationale (Director/responsabil)		<p><i>Sistem criptografic bazat pe teoria automatelor celulare pentru protectia informatiei in retelele de comunicatii</i>, 2007, Grant CNCISIS, TD 365, Ministerul Educatiei si Cercetarii, Nr. inreg. 35GR/23.05.2007, suma aprobata: 14300 lei, pagina web: http://194.102.64.7/GranturiFinalizate/faces/Projects/ProjectsList.jsp (Director)</p> <p><i>Criptosistem bazat pe dinamica haotica implementat cu automate celulare pentru protectia informatiei in retelele de comunicatii, Proiect de cercetare postdoctorala, PD 369, Contract nr. 10/02.08.2010, Valoare: 246000 lei, pagina web: http://cncisis_pd369.upit.ro/ (Director)</i></p>	10*1an= 10
		A2.4.2.1 - internationale (Membru)		„Advanced pProtection of critical buildinGs by Overall anticipating System - ARGOS”, EU FP7-SECURITY program, proiect Argos/FP7-SEC-2012-313217, project number 313217 (http://www.argos-project.eu/), 2013 – 2015 (membru).	4 * 2ani = 8
		A2.4.2.2 - nationale (Membru in		“Sistem de măsură accelerometric avansat pentru investigații atmosferice cu sonde planetare”, perioada de derulare: 15.10.2004–15.10.2006, Programul PNCDI - Aerospațial, Director de proiect: Silviu Ionita, Universitatea din Pitesti, Contract Nr. 41044/2004 (membru).	2*2ani= 4

			echipa)	<p>“Cronotahograf electronic digital pentru autovehicule de transport marfă și călători”, perioada de derulare: 15.10.2004 – 15.10.2006, Contract de cercetare PNCDI 8C1/2004, Programul AMTRANS, Ministerul Educatiei si Cercetarii, Director de proiect: Gheorghe Serban, Universitatea din Pitesti, Contract nr. 6810/15.10.2004, Nr. înreg. 3231/15.10.2004 (membru).</p>	2*2ani= 4
				<p>“Microsistem de secretizare cu automate celulare în transmisia digitală a datelor”, perioada de derulare: 30.10.2003 – 20.09.2004, Programul MATNANTECH, Ministerul Educatiei si Cercetarii, Director/Responsabil de proiect: Silviu Ionita, Universitatea din Pitesti, Contract Nr. C145(308)/30.10.2003, Nr. înreg. 5930/20.09.2004, 19 luni (membru).</p>	2*1an= 2
				<p>“Dispozitive cu metastructuri pentru procesarea complexa a semnalelor radio in retelele de comunicatii mobile si prin satelit”, METAPRO, perioada de derulare: 27.07.2006 – 2008, Program CEEEX, Proiect P-CD, Director/Responsabil de proiect: Gheorghe Gavrioloaia, Universitatea din Pitesti, Contract nr. 58/2006, 28 luni (membru).</p>	2*2ani= 4
				<p>”Principii de extindere si optimizare a performantelor laserilor cu mediu activ solid”, perioada de derulare: 05.10.2005 – 29.09.2008, Ministerul Educatiei si Cercetarii, Director de proiect: Traian Dascalu, Institutul National de Cercetare Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei – INFLPR, Contract nr. 05-D11-27, Nr. înreg. 1018/05-10-2005 (membru).</p>	2*3ani= 6
				<p>“Sistem Integrat pentru Utilizatorul Mobil - SIUM”, perioada de derulare: 03.10.2005 – 17.07.2008, Competitie CEEEX, AMCSIT, Ministerul Educatiei si Cercetarii, Director de proiect: Stanescu Emil, Institutul National de Cercetare Dezvoltare in Informatica, ICI Bucuresti, Contract Nr. 1021/07.10.2005 (membru).</p>	2*3ani= 6
				<p>“Platforma Multimedia pentru Implementarea Teleserviciilor Medicale Complexe - TELMES”, perioada de derulare: 10.10.2005 – 10.12.2007, Programul Cercetare de Excelenta, Autoritatea Nationala pentru Cercetare Stiintifica, Director de proiect: Sorin Puscoci, Institutul National de Studii si Cercetari pentru Comunicatii, Contract Nr. 1026/21.10.2005, 28 luni (membru).</p>	2*2ani= 4
				<p>"Sistem Interactiv pentru Monitorizarea si Optimizarea Traficului Rutier - OPTIMTRAF", perioada de derulare: 18.09.2007– 18.09.2010, CEEEX 2007, Tipul proiectului PC, Director de proiect: Angela Ionita, Institutul de Cercetari pentru Inteligenta Artificiala, Proiect 1369, Contract nr. 71114 (membru).</p>	2*3ani= 6
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				<p>“Sistem de criptare cu algoritmi paraleli de calcul – CRIPTALL”, perioada de derulare: 01.10.2008 – 30.09.2011, MECT/PNII, Director de proiect: Stefan Gheorghe, Universitatea Politehnica Bucuresti, Contract Nr. 82107/01.10.2008 (membru).</p>	2*3ani= 6
TOTAL A2:					525,46

A3. Recunoasterea si impactul activitatii					
			Lucrearea citata	Lucrearea care citeaza	Punctaj

A3	Recunoasterea si impactul activitatii	Citari in carti, reviste si in volume ale unor manifestari stiintifice	A3.1.1 - carti, ISI	<p>Petre Anghelescu, Silviu Ionita, Emil Sofron, "Encryption Technique with Programmable Cellular Automata (ETPCA)", Publisher: OLD CITY PUBLISHING INC, Journal of Cellular Automata, Volume: 5, Issue: 1-2, ISSN: 1557-5969, pag. 79-105, January 2010. WOS:000271530800004</p>	<p>3D image encoding in FT domain based on CGI algorithm .By: Li, Xiao-Wei; Kim, Seok-Tae; Lee, In-Kwon APPLIED MATHEMATICAL MODELLING Volume: 39 Issue: 14 Pages: 3899-3912 Published: JUL 15 2015 WOS:000356749200001 Dovada: citare ISI.</p>	<p>8/3= 2,66</p>
				<p>Petre Anghelescu, Ionut Serbanescu, Silviu Ionita, "Surveillance system using IP camera and face-detection algorithm", The 5th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2013, Vol. 5, Number 4/2013, ISSN – 1843 – 2115, pp. 47 – 52, Pitesti, 27 – 29 June 2013. WOS:000343672500037</p>	<p>On the Regularities and Randomness of the Dynamics of Simple and Composed CAs with Applications By: Teodorescu, Horia-Nicolai ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY Volume: 18 Issue: 2 Pages: 166-181 Published: 2015. WOS:000378174200004 Dovada: citare ISI.</p>	<p>8/3= 2,66</p>
				<p>Petre Anghelescu, Ionut Serbanescu, Silviu Ionita, "Surveillance system using IP camera and face-detection algorithm", The 5th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2013, Vol. 5, Number 4/2013, ISSN – 1843 – 2115, pp. 47 – 52, Pitesti, 27 – 29 June 2013. WOS:000343672500037</p>	<p>Cellular Automata Approach for Characterizing of DNA Tile Computing By: Hirabayashi, Miki; Kinoshita, Syunsuke; Tanaka, Shukichi; et al., JOURNAL OF CELLULAR AUTOMATA Volume: 9, Issue: 2-3, Special Issue: SI Pages: 111-123, Published: 2014 WOS:000341546500003 Dovada: citare ISI WoS.</p>	<p>8/3= 2,66</p>
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					<p>A face detection method based on kernel probability map By: Mahmoodi, Mohammad Reza; Sayedi, Sayed Masoud, COMPUTERS & ELECTRICAL ENGINEERING Volume: 46 Pages: 205-216 Published: AUG 2015 WOS:000367122800017 Dovada: citare ISI WoS.</p>	<p>8/3= 2,66</p>
					<p>Mahmoodi, M.R., Sayedi, S.M, "A face detector based on color and texture", Proceedings - 2014 6th International Conference on Information Technology and Electrical Engineering: Leveraging Research and Technology Through University-Industry Collaboration, ICITEE 2014, ISBN: 978-147995303-5, 2014. DOI: 10.1109/ICITEE.2014.7007952 WOS:000361486900063 Dovada: citare ISI WoS.</p>	<p>8/3= 2,66</p>
	<p>Petre Anghelescu, "Hardware Implementation of Programmable Cellular Automata Encryption Algorithm", 35th International Conference on Telecommunications and Signal Processing, TSP 2012, Praga, Cehia, ISBN: 978-1-4673-1116-8,</p>	<p>2016: Satyabrata Roy, Jyotirmoy Karjee, U.S. Rawat, Dayama Pratik N., Nilanjan Dey, „Symmetric Key Encryption Technique: A Cellular Automata based Approach in Wireless Sensor Networks”, 1ST INTERNATIONAL CONFERENCE ON INFORMATION SECURITY & PRIVACY 2015, Book</p>	<p>8/1= 8</p>			

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				<p>COMPARISON OF CRYPTOSYSTEMS USING A SINGLE-SCALE STATISTICAL MEASURE By: Gonzalez, Jesus D. Terrazas; Kinsner, Witold Edited by: Yao, JT; Dinh, A; Mehrandezh, M; et al. Conference: 26th IEEE Annual Canadian Conference</p>	<p>8 / 3 = 2, 66</p>

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	Prezentari invitate in plenul unor manifestari stiintifice nationale si	A3.2.1 - internationale	-		-
		A3.2.2 - nationale	Invited Presentation: Exploratory Workshop (EW) on Distributed Generation Systems (DGS) integrating Renewable Energy Sources (RES): EWDGSRES, (www.ew.upit.ro) This workshop was supported by CNCS –UEFISCDI, project number PNII – IDEI/ WE-code/ 2012 EWDGSRES code: PN-II-ID-WE-2012-4-137.		5

	internation ale si Profesor invitat				
	Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice , internation ale indexate ISI	A3.3.1 - ISI	Recenzor la Information Sciences (Elsevier) - ISSN: 0020-0255	10	
			Recenzor la Journal of Systems and Software (Elsevier) - ISSN: 0164-1212	10	
			Recenzor la ACM Transactions on Modeling and Computer Simulation (TOMACS) - ISSN:1049-3301	10	
			Recenzor la Journal of Nonlinear Dynamics and Chaos in Engineering Systems - ISSN: 0924-090X	10	
			Recenzor la Transactions on Emerging Telecommunications Technologies (Wiley) - ISSN: 2161-3915	10	
		A3.3.2 - BDI	Chief Editor: Journal of Electrical Engineering, Electronics, Control and Computer Science (JEECCS) http://jeeccs.net/index.php/journal/about/editorialTeam	6	
			International Conference on Telecommunications and Signal Processing (TSP 2012 – 2017) http://tsp.vutbr.cz/?page_id=106	6	
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			The Thirteenth Advanced International Conference on Telecommunications (AICT 2017). https://www.iaria.org/conferences2017/ComAICT17.html	6	
			Buletinul stiintific al universitatii din Pitesti. Seria Electronica si stiinta calculatoarelor Scientific bulletin of the University of Pitesti - <i>Series: Electronics and Computers Science</i> ISSN 1453-1119, http://fecc_bulletin.upit.ro/	6	
			International Conference on Technical and Physical Problems of Electrical Engineering (ICTPE) (2008-2013), ISSN 2303-9752, http://www.iotpe.com/ictpe.html	6	
			<i>ECAI 2013 INTERNATIONAL CONFERENCE, 5th Edition</i> , Electronics, Computers and Artificial Intelligence, ECAI 2013, 27 June - 29 June, 2013, http://www.ecai.upit.ro/	6	
			The International Conference on Communications and Electronics (IEEE ICCE 2014), July 30 – August 01, 2014, http://www.icce-2014.org/committees .	6	
			The International Conference on Advanced Technologies for Communications (ATC 2014-2015). http://www.rev-conf.org/atc-committees.html .	6	
			International Conference on Vision, Image and Signal Processing – ICVISP 2017. http://www.icvisp.org/comm.html	6	
			A3.3.3 - nationale si internationa le neindexate		
			A3.4.1 - Academia Romana, ASTR, academi de ramura, premii	Diploma „ Best paper award ” acordată la 30 th International Semiconductor Conference, CAS 2007, pentru lucrare intitulata: “VLSI implementation of high-speed cellular automata encryption algorithm”, 15-17 october 2007, WOS:000255865200110 .	15

		internationale		
		A3.4.2 - Premii nationale in domeniu	Premierea rezultatelor cercetării, articol ISI "HIGH-SPEED PCA ENCRYPTION ALGORITHM USING RECONFIGURABLE COMPUTING" - PN-II-RU-PRECISI-2013-7-2747.	5
			Premiul I la sesiunea științifică a studenților de la Universitatea din Pitești, secția „Sisteme electronice programabile”, lucrarea: ” <i>Structuri digitale modelate în VHDL</i> ”, 25 mai 2002.	5
			Premiul I la sesiunea științifică a studenților de la Universitatea din Pitești, specializarea master „Sisteme inteligente pentru comunicații”, lucrarea: ” <i>Automate celulare – Sisteme alternative de prelucrare a informației</i> ”, 17 mai 2003.	5
			Premiul I la sesiunea științifică a studenților de la Universitatea din Pitești, specializarea master „Sisteme inteligente pentru comunicații”, lucrarea: ” <i>Modelarea și simularea sistemelor vii prin intermediul automatelor celulare</i> ”, 15 mai 2004.	5
			Premiul de merit pentru tineri cercetători acordată de Universitatea din Pitești, 30 martie 2009, pentru cea mai bună lucrare științifică publicată în anul 2008 în cadrul Facultății de Electronică, Comunicații și Calculatoare.	5
TOTAL A3:				434,06

Pitești, 19.06.2017

Conf. dr. ing. Petre ANGHELESCU