+ANEXA 3

UNIVERSITATEA POLITEHNICA DIN BUCURESTI

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS [ABILITARE]

ANGHEL CRISTIAN

Conferentiar, Depart. de Telecomunicații Fac. de Electronică, Telecomunicații și Tehnologia Informației

Condiţii	**Îndeplinire condiţii**	
Îndeplinirea standardelor minime naţionale conform *OMENCS Nr. 6129 / 20.12.2016 [MO, I, 123 / 15.02.2017]*	Standarde indeplinite, conform Comisiei CNATDCU Nr. **11**, **Comisia de electronică, telecomunicații și nanotehnologie.** Anexată: Fişa de calcul si de sustinere a indeplinirii standardelor minimale specifice domeniului, in acord cu realizarile mentionate:	
Condiţii minimale [Punctaj]	**Minim prevăzut**	**Realizat**
A1. Activitate didactică / profesională	100	**120.4**
A2. Activitatea de cercetare	600	**603.71**
A3. Recunoașterea impactului activității	150	**239.26**
TOTAL (A)	**850**	**963.37**
Condiţii minimale obligatorii pe subcategorii [Număr]	**Minim prevăzut**	**Realizat**
A.1.1.1-A.1.1.2 Cărți de specialitate	1	4
A.2.1 Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	**15** dintre care minim 3 în reviste cotate ISI Q1 sau Q2	**34 ISI**, dintre care 1 în Q1 si 2 in Q2
A.2.4.1 Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	2	**2**
A.3.1.1 Număr de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI (WOS)	25	**34**
Factor de impact ISI cumulat pentru publicații	10	**17.043**

A1. Activitatea didactică și profesională

A.1.1	Cărți de autor sau capitole de specialitate în edituri cu ISBN	Nr. Autori	Punctaj
A.1.1.1	**Internaționale**		
1	**Cristian Anghel**, Cristian Stanciu, Constantin Paleologu, *Field – Programmable Gate Array – Chapter 2 – Efficient FPGA implementation of a CTC turbo decoder for WiMAX/ LTE mobile systems*, **Intech**, „„ book edited by George Dekoulis, http://dx.doi.org/10.5772/67017, ISBN 978-953-51-3208-0, Print ISBN 978-953-51-3207-3, Published: May 31, 2017 (32 pagini). *https://www.intechopen.com/books/field-programmable-gate-array/efficient-fpga-implementation-of-a-ctc-turbo-decoder-for-wimax-lte-mobile-systems* **Nu este in volum de conferinta**	**3**	**16.6/4**
2	**Cristian Anghel**, Remus Cacoveanu, "*Advanced Transmissions Techniques in WiMAX*" – Chapter 5 "MicroTCA Compliant WiMAX BS Split Architecture with MIMO Capabilities Support Based on OBSAI RP3-01 Interface", Publisher **InTech**, ISBN 978-953-307-965-3, pp. 77-102, 2011. **Nu este in volum de conferinta**	**2**	**25/4**
A.1.1.2	**Naționale**		
1	**Cristian Anghel** and Cristian Stanciu, *Limbaje de descriere hardware și metodologia proiectării FPGA*, **Editura Printech**, ISBN 978-606-23-0577-2, București, România, 2016 (170 pagini).	**2**	**25**
2	**Cristian Anghel** and Cristian Stanciu, *Turbo Codes in Wireless Communications – FPGA Implementation*, **Editura Printech**, ISBN 978-606-23-0849-0, București, România, 2018 (125 pagini).	**2**	**25**
A.1.2.1	**Material didactic / Lucrări didactice pubicate în edituri cu ISBN**		
1	**Cristian Anghel**, Andrei Alexandru Enescu, *„Integrated systems for signal processing – Applications"*, **Publisher Electronica 2000**, ISBN 978-973-7860-10-1, 97 pagini, 2009.	**2**	**20**
2	**Cristian Anghel,** "*Limbaje de descriere hardware si metodologia proiectarii FPGA. Indrumar de laborator"*, **Editura Printech,** ISBN 978-606-23-1123-0, 81 pagini, 2020	**1**	**40**
	TOTAL A1		**120.4**

A2. Activitatea de cercetare

A.2.1	Articole în reviste cotate ISI, și lucrări în volumele unor manifestări științifice cotate ISI *(Cu factorii de impact la data inscrierii la concurs)*	FI	Nr. Autori	Punctaj (25 + 30 x factorImpact) / nrAutori
1	C. Elisei-Iliescu, C. Paleologu, J. Benesty, C. Stanciu, **C. Anghel**, and S. Ciochină, "Recursive least-squares algorithms for the identification of low-rank systems," *IEEE/ACM Trans. Audio, Speech, Language Processing*, vol. 27, pp. 903–918, May 2019 – ISI Acoustics Q1, **WOS:000463481000003**	3.531 (inscriere 05.06.20)	6	**21.821**
2	C. Elisei-Iliescu, C. Stanciu, C. Paleologu, J. Benesty, **C. Anghel**, and S. Ciochină, "Efficient recursive least-squares algorithms for the identification of bilinear forms," *Digital Signal Processing*, vol. 83, pp. 280-296, Dec. 2018 – ISI ENGINEERING, ELECTRICAL & ELECTRONIC Q2, **WOS:000453637100025**	2.792 (inscriere 05.06.20)	6	**18.1267**
3	**C. Anghel**, C. Stanciu, and C. Paleologu, "LTE turbo decoding parallel architecture with single interleaver implemented on FPGA," Circuits, Systems & Signal Processing, 21 pages, http://link.springer.com/article/10.1007/s00034-016-0362-z, first online 18 July, 2016, ISSN: 0278-081X (print version), ISSN: 1531-5878	1.694 (inscriere 05.06.20)	3	**27.5533**

	(electronic version), volume 36 Issue 4, April 2017, Pages 1455-1475, DOI: 10.1007/s00034-016-0362-z – ISI ENGINEERING, ELECTRICAL & ELECTRONIC Q2, **WOS:000395187800008**			
4	C. Stanciu, **C. Anghel** and C. Paleologu, "Efficient recursive implementation of a quadratic permutation polynomial interleaver for LTE systems," *Revue Roumaine des Sciences Techniques – Serie Electrotechnique et Energetique*, Vol. 61, 1, pp. 53–57 (5 pagini), Bucharest, 2016. **WOS:000378014100011**.	0.763 (inscriere 05.06.20)	3	**15.9633**
5	**C. Anghel**, C. Stanciu and C. Paleologu, "Efficient field programmable gate array implementation of a convolutional turbo code for long term evolution systems," *Revue Roumaine des Sciences Techniques – Serie Electrotechnique et Energetique*, vol. 60, no. 2, pp. 163-173 (11 pagini), 2015. **WOS:000355067400006**	0.763 (inscriere 05ş.06.20)	3	**15.963**
6	**C. Anghel**, C. Stanciu, and C. Paleologu, "Novel parallel CTC turbo decoder architecture for LTE systems, "*University Politehnica of Bucharest Scientific Bulletin, Series C – Electrical Engineering and Computer Science*, Vol. 79, Iss. 1, pp. 99-112 (14 pagini), 2017, ISSN 2286-3540. **WOS:000405770100008**	0.25	3	**10.8333**
7	C. Elisei-Iliescu, C. Stanciu, C. Paleologu, J. Benesty, **C. Anghel**, and S. Ciochina, "Low-complexity RLS algorithms for the identification of bilinear forms," in *Proc. EUSIPCO*, 2018, pp. 455-459, Rome, Italy, **WOS:000455614900092**	0.25	6	**5.4167**
8	C. Paleologu, J. Benesty, C. Elisei-Iliescu, C. Stanciu, **C. Anghel**, and S. Ciochina, "A proportionate NLMS algorithm for the identification of sparse bilinear forms," in *Proc. IEEE TSP*, 2018, pp. 698-701, Athens, Greece, **WOS:000454845100156**	0.25	6	**5.4167**
9	C. Elisei-Iliescu, C. Paleologu, J. Benesty, C. Stanciu, **C. Anghel**, and S. Ciochina, "Regularized recursive least-squares algorithms for the identification of bilinear forms," in *Proc. IEEE International Symposium on Electronics and Telecommunications (ISETC)*, 2018 (4 pages), Timisoara, Romania, **WOS:000463031500055**	0.25	6	**5.4167**
10	C. Stanciu, **C. Anghel**, C. Paleologu, J. Benesty, F. Albu, and S. Ciochina, "FPGA implementation of an efficient proportionate affine projection algorithm for echo cancellation," in *Proc. European Signal Processing Conference (EUSIPCO)*, 2011, pp. 1284-1288 (5 pagini), Barcelona, Spain, ***Invited Paper***. **WOS:000377963100260**	0.25	6	**5.4167**
11	C. Elisei-Iliescu, C. Stanciu, C. Paleologu, J. Benesty, **C. Anghel**, and S. Ciochină, "Robust variable-regularized RLS algorithms," *The Fifth Joint Workshop on Hands-free Speech Communication and Microphone Arrays*, (5 pagini), March 1-3, 2017, San Francisco, USA. *https://doi.org/10.1109/HSCMA.2017.7895584*, **WOS:000403394000035**	0.25	6	**5.4167**
12	C. Stanciu, **C. Anghel**, M. Udrea, and L. Stanciu, "Variable-Regularized Low Complexity RLS Algorithm for Stereophonic Acoustic Echo Cancellation," in *Proc. IEEE International Symposium on Signals, Circuits and Systems (ISSCS)*, 2017 (4 pages), Iasi, Romania. *https://doi.org/10.1109/ISSCS.2017.8034933*,**WOS: 000425211500071**.	0.25	4	**8.1250**
13	I. Albu, **C. Anghel**, and C. Paleologu, "Adaptive filtering in acoustic echo cancellation systems — A practical overview," in *Proc. IEEE International Conference on Electronics, Computers and Artificial Intelligence* (ECAI), 2017 (4 pages), Ploiesti, Romania, **WOS:000425865900058**.	0.25	3	**10.8333**
13	C. Stanciu, **C. Anghel** and L. Stanciu, " Efficient FPGA Implementation of the DCD-RLS Algorithm for Stereo Acoustic Echo Cancellation," in	0.25	3	**10.8333**

	Proc. IEEE International Symposium on Signals, Circuits and Systems (ISSCS), 2015 (4 pages), Iasi, Romania. *https://doi.org/10.1109/ISSCS.2015.7204008*, **WOS:000380451600088**.			
14	**C. Anghel**, C. Stanciu, and C. Paleologu, "Sorting methods used in parallel turbo decoding for LTE systems," *in Proc. IEEE International Symposium on Signals, Circuits and Systems* (ISSCS), 2015 (4 pages), Iasi, Romania. *https://doi.org/10.1109/ISSCS.2015.7203951*, **WOS:000380451600031**.	0.25	3	**10.8333**
15	C. Stanciu, **C. Anghel**, C. Paleologu, J. Benesty, F. Albu, and S. Ciochina, "A proportionate affine projection algorithm using dichotomous coordinate descent iterations," *in Proc. IEEE International Symposium on Signals, Circuits and Systems* (ISSCS), 2011 (4 pages), pp. 343-346, Iasi, Romania. *https://doi.org/10.1109/ISSCS.2011.5978730*, **WOS:000337925400086**.	0.25	6	**5.4167**
16	C. Stanciu, **C. Anghel**, C. Paleologu, S. Ciochina, and J. Benesty, "On the numerical properties of an optimized NLMS algorithm," in *Proc. IEEE International Conference COMMUNICATIONS (COMM)*, 2016 (4 pages), Bucharest, Romania. *https://doi.org/10.1109/ICComm.2016.7528264*, **WOS:000383221900005**.	0.25	5	**6.5000**
17	C. Stanciu and **C. Anghel**, "Numerical Properties of the DCD-RLS Algorithm for Stereophonic Acoustic Echo Cancellation," in *Proc. IEEE International Conference COMMUNICATIONS (COMM)*, 2014, pp. 65-68 (4 pages), Bucharest, Romania. *https://doi.org/10.1109/ICComm.2014.6866743*, **WOS:000345844600087**.	0.25	2	**16.2500**
18	C. Stanciu, **C. Anghel**, C. Paleologu, S. Ciochina, and J. Benesty, "FPGA implementation of an optimized NLMS algorithm," *in Proc. IEEE International Symposium on Electronics and Telecommunications* (ISETC), 2016 (4 pages), Timisoara, Romania. *https://doi.org/10.1109/ISETC.2016.7781110* **WOS: 000390717800061**.	0.25	5	**6.5000**
19	C. Stanciu, M. Udrea, **C. Anghel**, and R.A. Dobre, "Improved Regularization for a Low-Complexity RLS Algorithm," in *Proc. 24th Telecommunications Forum* (TELFOR) 2016 (4 pages), Belgrad, Serbia. https://doi.org/10.1109/TELFOR.2016.7818816, **WOS: 000393491700103**.	0.25	4	**8.1250**
20	C. Paleologu, J. Benesty, C. Stanciu, **C. Anghel**, and M. Stenta, "Robust regularization of the recursive least-squares algorithm," in *Proc. IEEE International Conference on Electronics, Computers and Artificial Intelligence* (ECAI), 2016 (4 pages), Ploiesti, Romania. ***Invited Paper***. *https://doi.org/10.1109/ECAI.2016.7861070*, **WOS:000402541200006**.	0.25	5	**6.5000**
21	**C. Anghel**, C. Paleologu, and C. Stanciu, "Performances evaluation of CTC turbo decoder for LTE systems," in *Proc. IEEE International Symposium ELMAR*, 2015, pp. 89-92 (4 pages), Zadar, Croatia. *https://doi.org/10.1109/ELMAR.2015.7334503*, **WOS:000380516500023**.	0.25	3	**10.8333**
22	**C. Anghel**, C. Paleologu, J. Benesty, S. Ciochină, "FPGA Implementation of an Acoustic Echo Canceller Using a VSS-NLMS Algorithm", *Proc. IEEE International Symposium on Signals, Circuits and Systems (ISSCS)*, pp. 369-372, Iaşi, România, 2009, **WOS:000275854200091**.	0.25	4	**8.1250**

23	A. Nedelcu, R. Lupoaie, A. A. Enescu, **C. Anghel**, C. Paleologu, "Spatial Multiplexing Turbo Receiver with Reduced Complexity", *Proc. SENSORCOMM*, pp. 490-495, Atena, Grecia, 2009, **WOS:000274635500085**.	0.25	5	**6.5000**
24	A. Andreescu, A. Ghita, A. A. Enescu, **C. Anghel**, "Long Term Evolution Primary Synchronization Algorithms", *ISETC 2010*, Timisoara, Romania, pp. 125-128, **WOS:000296356700025**	0.25	4	**8.1250**
25	M. Bartis, V. Mocanu, A. A. Enescu, **C. Anghel**, "Achieving Secondary Synchronization for Downlink in the Long Term Evolution Standard", *ISETC 2010*, Timisoara, Romania, pp. 129-132, **WOS:000296356700026**	0.25	4	**8.1250**
26	**C. Anghel**, C. Paleologu, J. Benesty, S. Ciochină, "FPGA Implementation of a Variable Step-Size Affine Projection Algorithm for Acoustic Echo Cancellation", *EUSIPCO 2010*, Aalborg, Denmark, pp 532-536 **,WOS:000349999100108**	0.25	4	**8.1250**
27	V. Mocanu, **C. Anghel**, A. A. Enescu, "FPGA Implementation of a Digital Front End Block for a Multi-Carrier Multi-Antenna System", *Proceedings of International Semiconductors Conference CAS 2009*, Sinaia, Romania, pp. 431-434, **WOS:000279558600087**	0.25	3	**10.8333**
28	**C. Anghel**, R. Cacoveanu, "BS split architecture with MIMO capabilities support based on OBSAI RP3-01 Interface", *Proceedings of International Conference ISSCS 2009*, Iaşi, Romania, pp. 271-274, **WOS:000275854200067**	0.25	2	**16.2500**
29	A. Nedelcu, A. A. Enescu, **C. Anghel**, "An overview of soft-output sphere decoders with constant throughput", *Proceedings of International Conference ISSCS 2009*, Iaşi, Romania, pp. 109-112, **WOS:000275854200027**	0.25	3	**10.8333**
30	**C. Anghel,** A. A. Enescu, O. M. Bugiugan, C. R. Cacoveanu. , "FPGA implementation of a CTC Decoder for H-ARQ compliant WiMAX systems", *Proceedings of International Conference on Design & Technology of Integrated Systems*, DTIS 2007, Morocco, pp. 82-86, **WOS:000256296500016**	0.25	4	**8.1250**
31	S. Ciochina, **C. Anghel**, A. A. Enescu, *"*Sub-optimal solutions to code synthesis for space-time diversity*", Proceedings of International Conference* SCS 2003, Iaşi, Romania, pp. 53-56, **WOS:000186628100015**	0.25	3	**10.8333**
32	I. Pirnog, **C. Anghel**, A. A. Enescu, C. Paleologu, "Evaluation of Fast Algorithms for Motion Estimation", *Proc. Advanced International Conference on Telecommunications (AICT)*, pp. 107-111, St. Maarten, 2011. **WOS:000394876100019**	0.25	4	**8.1250**
33	S. Ciochina, C. Paleologu, J. Benesty**, C. Anghel**, "An optimized affine projection algorithm for acoustic echo cancellation ," *SpeD 2015*, 4p, Bucharest, Romania. **WOS:000376681700016**	0.25	4	**8.1250**
34	L. Stanciu, V. Stanciu, **C. Anghel**, " Grouped B-Spline Functions for the Design of Quadrature Mirror Filters," *Proceedings of International Conference ISSCS 2015*, Iaşi, Romania, 4 p., **WOS:000380451600012**	0.25	3	**10.8333**
	TOTAL A.2.1 (Total factor de impact ISI cumulat)	**361.0522 (17.043)**		

A.2.2	Articole în reviste, și în volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI)	Nr. Autori	Punctaj (20/nrAutori)
1	C. Elisei-Iliescu, C. Paleologu, C. Stanciu, **C. Anghel**, S. Ciochina, and J. Benesty, „*A Practical Overview of Recursive Least-Squares Algorithms for Echo*	6	3.3333

	Cancellation", International Journal On Advances in Telecommunications, volume 10, numbers 3 and 4, pp. 96-104 (8 pages), 2017, ISSN: 1942-2601 [IEEE Explore].		
2	A. Crisan, **C. Anghel**, and R. Cacoveanu, "A Novel Synchronization Algorithm for Hybrid Inter-Satellite Link Establishment", in *Proc. The Fifteenth Advanced International Conference on Telecommunications (AICT)*, 5 pages, Nice, France, 2019 [IEEE Explore]	3	6.6667
3	**C. Anghel**, V. Stanciu, C. Stanciu, and C. Paleologu, "CTC turbo decoding architecture for LTE systems implemented on FPGA," in *Proc. International Conference on Networks (ICN)*, 2012, pp. 199-204 (6 pages), St. Gilles, Reunion Island, ISSN: 2308-4413, ISBN: 978-1-61208-183-0 [DBLP].	4	5.0000
4	R. Mihăescu, C. Stanciu, **C. Anghel**, and L. Stanciu, "*Insight on a Low Cost Recursive Least-Squares Algorithm for Adaptive Noise Cancellation", International Journal On Advances in Systems and Measurements*, volume 10, numbers 3 and 4, pp. 150-157 (8 pages), 2017, ISSN: 1942-261x [DBLP].	4	5.0000
5	**C. Anghel**, C. Paleologu, "Simplified Parallel Architecture for LTE-A Turbo Decoder Implemented on FPGA," *Proceedings of the 9th International conference on Circuit, Systems, Signal and Telecommunications (CSST)*, pp. 102-111, Dubai, 2015. [IEEE Explore]	2	10.0000
6	**C. Anghel,** A. A. Enescu, R. Cacoveanu**, "**VLSI turbo decoder with H-ARQ capability for WiMAX**",** *Proceedings of International Conference Communications*, pp. 301-304., Bucharest, Romania, 2008 [IEEE Explore]	3	6.6667
7	**C. Anghel**, C. Paleologu, "2G Ultra Low Cost Mobile Phone Positioning without GPS," *Proc. Advanced International Conference on Telecommunications (AICT)*, pp. 53-56., Bruxelles, Belgium, 2015 [IEEE Xplore, Scopus]	2	10.0000
8	**C. Anghel**, A. A. Enescu, C. Paleologu, S. Ciochină, "CTC Turbo Decoding Architecture for H-ARQ Capable WiMAX Systems Implemented on FPGA", *Proc. International Conference on Networks (ICN)*, pp. 65-70, Menuires, Franţa, 2010. [IEEE Xplore, Scopus]	4	5.0000
9	**C. Anghel** and S. Ciochina, "On the FPGA Implementation of the VR-RLS Algorithms", *Proc. International Conference on Networks (ICN)*, 4 pages, Venice, Italy, 2017. [IEEE Xplore, Scopus]	2	10.000
	TOTAL A.2.2	**61.6667**	

A.2.3	Proprietate intelectuală, brevete de invenție, certificate ORDA	Punctaj
	TOTAL	0

A.2.4	Granturi/proiecte de cercetare câștigate prin competiție sau Contracte cu agenți economici în valoare de minim 10000 dolari S.U.A. echivalent încasați	Nr. Ani desfășurare	Punctaj
A.2.4.1.1	**Director/responsabil partener – internaționale**		
	European Space Agency through the contract "Hybrid – Inter Satellite Link" with the number 4000121222/17/NL/Cbi, subcontracted by UPB through the contract 18/05.10.2017. (2017 – 2019), **director** *Copie dupa contract si anexa de prelungire – rezulta statutul de director* *De asemenea, copie dupa prima livrare catre ESA cu arhitectura propusa si puntele de lucru ale UPB – rezulta caraterul de cercetare si implementare in domeniul 'nivel fizic PHY – proiectare si implementare pe FPGA' care este legat direct de domeniul abilitarii*	3	60
	TOTAL A.2.4.1.1		**60**
A.2.4.1.2	**Director/responsabil partener - naționale**		
	"Contributions to the implementation of MIMO channel-based communications systems", CNCSIS, type Td, code CNCSIS TD 1, 2008-2009, **director** *Copie dupa contract si raportul final de autoevaluare. Se poate regasi usor lista articolelor publicate, care in parte se refera la codarea turbo pentru sisteme WiMAX implementate pe FPGA – direct legat de domeniul abilitarii*	3	30
	„Efficient solutions for parallel turbo decoder implementation for LTE systems", Sectoral Operational Program Human Resources Development 2007-2013 of the Ministry of European Funds through the Financial Agreement POSDRU/159/1.5/S/134398 (18 l*uni*), **director**	1.5	15
	Proiect Grant intern UPB Nr. 99/22.11.2016, cod proiect 533, "Titlu: Proiectarea si dezvoltarea unui echipament 4G cu antene multiple dedicat conectarii la internet a autoturismelor", **director**	1	10
	TOTAL A.2.4.1.2		**55**
A.2.4.2.1	**Membru în echipă - internaționale**		
	"ATHENA- Digital Switchover: Developing Infrastructures for Broadband Access", STREP (FP6), nr FP6-507312 ()	2	8
	TOTAL A.2.4.2.1	**-**	**8**
A.2.4.2.2	**Membru în echipă - naționale**		
	"Soluţii robuste pentru suprimarea adaptivă a interferenţelor", Contract UEFISCSU, PN-II-PCE-Idei, 2007-2010, responsabil Prof. dr. ing. S. Ciochină.	3	6

	"Soluţii de creştere a eficienţtei spectrale în sistemele de comunicaţii OFDM", Grant CNCSIS, tip A, 2006-2008, responsabil Prof.dr.ing. S. Ciochină.	3	6
	"Novel adaptive algorithms with fast convergence", UEFISCDI, type PN-II-RU-TE, nr. 7/2010, code TE-50, 2010-2013.	4	8
	„Solutions for increasing the performance of multi-channel acoustic echo canceller. Applications in conference systems," CNCSIS, type AT, code 15, 2007-2008.	2	4
	„Contributions to increase the performance of acoustic echo cancellers used in communication systems with hands-free," MEC-UEFISCSU, type CEEX-ET, code 17, 2006-2008	3	6
	„Novel adaptive receivers for communications systems with code division multiple access," type CEEX-ET, code 53, 2006-2008	3	6
	„Novel adaptive algorithms appropriate for finite precision implementation. Applications in communication networks," CNCSIS, type AT, 2004-2005	2	4
	"Resonant phenomena in selective structures for signal processing in 0.1-18 GHz bandwidth", CERES C3/2003, 2003-2005	3	6
	"The usage of multiple coupling phenomena for signal processing in UMTS systems", CERES C4/2004, 2004-2006	3	6
	"Research and development for miniature selective radiating structures used in 3G mobile communications", CNCSIS, nr. 27692/14.03.2005, code CNCSIS 335/2005, 2005-2007	3	6
	TOTAL A.2.4.2.2	-	**58**
	TOTAL A.2.4	-	**181**

TOTAL A.2 - ACTIVITATEA DE CERCETARE	**603.7189 puncte**

A3. Recunoașterea și impactul activității

• **A3.1 Citari in carti, reviste si volume ale unor manifestari stiintifice** ✓ **A.3.1.1 Cărți / ISI** ✓ **A.3.1.2 BDI**	**Punctaj** **A.3.1.1 <=> 8/nr autori** **A.3.1.2 <=> 4/nr autori**
1. C. Stanciu, **C. Anghel**, C. Paleologu, J. Benesty, F. Albu, and S. Ciochina, "A proportionate affine projection algorithm using dichotomous coordinate descent iterations," in *Proc. IEEE International Symposium on Signals, Circuits and Systems (ISSCS)*, 2011, pp. 343-346, Iasi, Romania, **WOS:000337925400086**. ***(6 autori)*** **CITAT IN:** ✓ Y.L.Casallas-Moreno, Dagoberto Cardona, Eduardo Ortega, C.A. Hernández-Gutiérrez, S. Gallardo-Hernández, Luis Alberto Hernández-Hernández, Heberto Gómez-Pozos, Arturo Ponce, G. Contreras-Puente, and M. López-Lópezb, "High cubic phase purity and growth mechanism of cubic InN thin-films by Migration Enhanced Epitaxy," *Signal Processing Elsevier*, vol. 647, pp. 64-69, Feb. 2018, **WOS:000419649200010**. **{2 x 8/6 = 2.6666 puncte}** ✓ L. Liu, Y. Zhang, and D. Sun, "VFF l_1-norm penalised WL-RLS algorithm using DCD iterations for underwater acoustic communication," *IET Signal Processing*, vol. 11, issue 5, pp. 615 – 621, Mar. 2017, **WOS:000399752300001**. **{8/6 = 1.3333 puncte}** ✓ Y. Yu H. Zhao, "A band-independent variable step size proportionate normalized subband adaptive filter algorithm," *AEU - International Journal of Electronics and Communications Elsevier*, vol. 70, issue 9, pp. 1179-1186, Sept. 2016, **WOS:000381844400010**. **{8/6 = 1.3333 puncte}** ✓ G.O. Glentis, "An efficient implementation of the Memory Improved Proportionate Affine Projection Algorithm," *Signal Processing Elsevier*, vol. 118, pp. 25-35, Jan. 2016, **WOS:000362156000002**. **{2 x 8/6 = 2.6666 puncte}** ✓ Y. Zhang, L. Liu, D. Sun, and H. Cui, "Single-carrier underwater acoustic communication combined with channel shortening and dichotomous coordinate descent recursive least squares with variable forgetting factor," *IET Signal Processing*, vol. 9, issue 15, pp. 1867–1876, Oct. 2015, **WOS:000362109300008**. **{8/6 = 1.3333 puncte}** ✓ Y.V. Zakharov and V. H. Nascimento, "Sliding-Window RLS Low-Cost Implementation of Proportionate Affine Projection Algorithms", *IEEE Trans. On Audio, Speech, and Language Processing, vol. 22*, no. 12, pp. 1815-1824, June 2014, **WOS:000341627500011**. **{2 x 8/6 = 2.6666 puncte}** ✓ Zakharov, Yuriy, and V. Nascimento. "DCD-RLS adaptive filters with penalties for sparse identification", *IEEE Transactions on Signal Processing*, vol. 61, no. 12, pp. 3198-3213, June 2013, **WOS:000320135200015**. **{2 x 8/6 = 2.6666 puncte}** ✓ Y. Zhang, L. Liu, and D. Sun, "Adaptive turbo equalization with sparse homotopy DCD-RLS algorithm with variable forgetting factor for underwater acoustic communication," in *Proc IEEE/OES Ocean Acoustics (COA)*, 2016, Harbin, China, **WOS:000390300800140**. **{8/6 = 1.3333 puncte}**	8 citări în ISI (15.9996 puncte) **15.9996 puncte**
2. **C. Anghel**, V. Stanciu, C. Stanciu, and C. Paleologu, "CTC turbo decoding architecture for LTE systems implemented on FPGA," in *Proc. International*	

Conference on Networks (ICN), 2012, pp. 199-204, St. Gilles, Reunion Island, ISSN: 2308-4413, ISBN: 978-1-61208-183-0. ***(4 autori)*** **CITAT IN:** ✓ G. Sowndharya, A. Vasuki, "Reducing bit error rate using CRC verification in turbo codes," in *Proc. IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)*, 2017. *https://doi.org/10.1109/WiSPNET.2017.8299834*, **WOS:000428513600109**. **{8/4 = 2 puncte}**	1 citare în ISI (2 puncte) **2 puncte**
3. C. Elisei-Iliescu, C. Stanciu, C. Paleologu, J. Benesty, **C. Anghel**, and S. Ciochină, "Robust variable-regularized RLS algorithms," The Fifth Joint Workshop on Hands-free Speech Communication and Microphone Arrays, (5 pagini), March 1-3, 2017, San Francisco, USA. https://doi.org/10.1109/HSCMA.2017.7895584, **WOS:000403394000035 (6 autori)** **CITAT IN:** ✓ Sadigh, Alireza Naeimi; Taherinia, Amir Hossein; Yazdi, Hadi Sadoghi, "Analysis of robust recursive least squares: Convergence and tracking", *SIGNAL PROCESSING* Volume: 171 Article Number: 107482 Published: JUN 2020, **WOS:000521117800018 {2 x 8/6 = 2.6666 puncte}** ✓ Debbabi, Fares; Nemmour, Ahmed-Lokmane; Khezzar, Abdelmalek; et al., "An approved superiority of real-time induction machine parameter estimation operating in self-excited generating mode versus motoring mode using the linear RLS algorithm: Ideas & applications", *INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS* Volume: 118 Article Number: 105725 Published: JUN 2020, **WOS:000518691600080 {2 x 8/6 = 2.6666 puncte}** ✓ Chellaswamy, C.; Krishnasamy, M.; Balaji, L.; et al., "Optimized railway track health monitoring system based on dynamic differential evolution algorithm", *MEASUREMENT* Volume: 152 Article Number: 107332 Published: FEB 2020, **WOS:000508908600068 {2 x 8/6 = 2.6666 puncte}** ✓ Jiang, Tao; Liang, Ruiyu; Wang, Qingyun; et al., "An Improved Practical State-Space FDAF With Fast Recovery of Abrupt Echo-Path Changes", *IEEE ACCESS* Volume: 7 Pages: 61353-61362 Published: 2019, **WOS:000469422800001 {2 x 8/6 = 2.6666 puncte}** ✓ Elisei-Iliescu, Camelia; Paleologu, Constantin; Tamas, Razvan, "On the Performance of the Variable-Regularized Recursive Least-Squares Algorithms", *Conference: 9th International Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies* (ATOM-N) Location: Constanta, ROMANIA,AUG 23-26, 2018, **WOS:000458717900067 {8/6 = 1.3333 puncte}**	5 citări în ISI (11.9996 puncte) **11.9996 puncte**
4. C. Stanciu, **C. Anghel**, C. Paleologu, S. Ciochina, and J. Benesty, "FPGA implementation of an optimized NLMS algorithm," in Proc. IEEE International Symposium on Electronics and Telecommunications (ISETC), 2016 (4 pages), Timisoara, Romania. https://doi.org/10.1109/ISETC.2016.7781110 **WOS: 000390717800061 (5 autori)** **CITAT IN:** ✓ Ramos, Antonio L. L.; Shao, Zhili; Holthe, Aleksander; et al., "Real-time implementations of acoustic signal enhancement techniques for aerial based surveillance and rescue applications", *Conference: Conference on Sensors, and Command, Control, Communications, and Intelligence* (C3I) Technologies for Homeland Security, Defense, and Law Enforcement Applications XVI	1 citare în ISI (1.6 puncte) **1.6 puncte**

Location: Anaheim, CA Date: APR 10-11, 2017, **WOS:000424390100013 {8/5= 1.6 puncte}**	
5. C. Paleologu, J. Benesty, C. Elisei-Iliescu, C. Stanciu, **C. Anghel**, and S. Ciochina, "A proportionate NLMS algorithm for the identification of sparse bilinear forms," in *Proc. IEEE TSP*, 2018, pp. 698-701, Athens, Greece, **WOS:000454845100156 (6 autori)** **CITAT IN:** ✓ Dogariu, Laura; Elisei-Iliescu, Camelia; Paleologu, Constantin; et al., "A Proportionate Affine Projection Algorithm for the Identification of Sparse Bilinear Forms", *Conference: 14th International Symposium on Signals, Circuits and Systems* (ISSCS) Location: Iasi, ROMANIA Date: JUL 11-12, 2019, **WOS:000503459500041 {8/6 = 1.3333 puncte}**	1 citare în ISI (1.3333 puncte) **1.3333 puncte**
6. C. Elisei-Iliescu, C. Paleologu, J. Benesty, C. Stanciu, **C. Anghel**, and S. Ciochină, "Recursive least-squares algorithms for the identification of low-rank systems," *IEEE/ACM Trans. Audio, Speech, Language Processing*, vol. 27, pp. 903–918, May 2019, **WOS:000463481000003 (6 autori)** **CITAT IN:** ✓ A. Atitallah, S. Bedoui, K. Abderrahim, "Joint Parameter and Time-Delay Identification Algorithm and Its Convergence Analysis for Wiener Time-Delay Systems", *CIRCUITS SYSTEMS AND SIGNAL PROCESSING* Volume: 39 Issue: 1 Pages: 199-222 Published: JAN 2020, **WOS:000511974300010 {8/6=1.3333 puncte}**	1 citare în ISI (1.3333 puncte) **1.3333 puncte**
7. C. Elisei-Iliescu, C. Stanciu, C. Paleologu, J. Benesty, **C. Anghel**, and S. Ciochină, "Efficient recursive least-squares algorithms for the identification of bilinear forms," *Digital Signal Processing*, vol. 83, pp. 280-296, Dec. 2018 , **WOS:000453637100025 (6 autori)** **CITAT IN:** ✓ Ta, Qing; Lu, Bowen; Hu, Chen; et al., "Hybrid adaptive filter for full optical current transformer system based on tristate polarization diversity receiver", *OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS* Volume: 14 Issue: 1-2 Pages: 53-60 Published: JAN-FEB 2020, **WOS:000526929400008 {8/6=1.3333 puncte}** ✓ Jiang, Meiying; Jin, Qibing, "Multivariable System Identification Method Based on Continuous Action Reinforcement Learning Automata", *PROCESSES* Volume: 7 Issue: 8 Article Number: 546 Published: AUG 2019, **WOS:000483747700022 {2x8/6=2.6666 puncte}** ✓ Ribeiro, Lucas N.; de Almeida, Andre L. F.; Nossek, Josef A.; et al., "Low-Complexity separable beamformers for massive antenna array systems", *IET SIGNAL PROCESSING* Volume: 13 Issue: 4 Pages: 434-442 Published: JUN 2019, **WOS:000468846200004 {8/6=1.3333 puncte}** ✓ Ribeiro, Lucas N.; de Almeida, Andre L. F.; Mota, Joao Cesar M., "Separable linearly constrained minimum variance beamformers", *SIGNAL PROCESSING* Volume: 158 Pages: 15-25 Published: MAY 2019, **WOS:000459366500003 {2x8/6=2.6666 puncte}** ✓ Dogariu, Laura-Maria; Ciochina, Silviu; Benesty, Jacob; et al., "An Iterative Wiener Filter for the Identification of Trilinear Forms", *Conference: 42nd*	7 citări în ISI (11.9996 puncte) **11.9996 puncte**

International Conference on Telecommunications and Signal Processing (TSP) Location: Budapest, HUNGARY Date: JUL 01-03, 2019, **WOS:000493442800019 {8/6=1.3333 puncte}** ✓ Elisei-Iliescu, Camelia; Paleologu, Constantin; Benesty, Jacob; et al., "A RECURSIVE LEAST-SQUARES ALGORITHM BASED ON THE NEAREST KRONECKER PRODUCT DECOMPOSITION", *Conference: 44th IEEE International Conference on Acoustics, Speech and Signal Processing* (ICASSP) Location: Brighton, ENGLAND Date: MAY 12-17, 2019, **WOS:000482554005016 {8/6=1.3333 puncte}** ✓ Dogariu, Laura-Maria; Ciochina, Silviu; Paleologu, Constantin; et al., "A Connection Between the Kalman Filter and an Optimized LMS Algorithm for Bilinear Forms", *ALGORITHMS* Volume: 11 Issue: 12 Article Number: 211 Published: DEC 2018, **WOS:000454716100022 {8/6=1.3333 puncte}**	
8. C. Stanciu, **C. Anghel**, C. Paleologu, J. Benesty, F. Albu, and S. Ciochina, "FPGA implementation of an efficient proportionate affine projection algorithm for echo cancellation," in *Proc. European Signal Processing Conference (EUSIPCO)*, 2011, pp. 1284-1288, Barcelona, Spain, **WOS:000377963100260**. ***(6 autori)*** **CITAT IN:** ✓ Y. V. Zakharov and V. H. Nascimento, "Sliding-Window RLS Low-Cost Implementation of Proportionate Affine Projection Algorithms", *IEEE Trans. On Audio, Speech, and Language Processing, vol. 22*, no. 12, pp. 1815-1824, June 2014, **WOS:000341627500011**. **{2 x 8/6 = 2.6666 puncte}** ✓ Y. Zakharov and V. Nascimento. "DCD-RLS adaptive filters with penalties for sparse identification", *IEEE Transactions on Signal Processing*, vol. 61, no. 12, pp. 3198-3213, June 2013, **WOS:000320135200015**. **{2 x 8/6 = 2.6666 puncte}** ✓ Yang, Feiran; Yang, Jun, A comparative survey of fast affine projection algorithms, DIGITAL SIGNAL PROCESSING Volume: 83 Pages: 297-322 Published: DEC 2018, **WOS:000453637100026 {2 x 8/6 = 2.6666 puncte}** ✓ S.S. Pujari, A. Panda, and P.K. Dash, "Design & Implementation of FPGA based Adaptive Filter for Echo Cancellation," in ***Proc. International Conference on Convergence of Technology***, April 6 - 8, 2014 - Pune, India [DBLP]. **{ 4/6 = 0.6667 puncte}**	3 citări în ISI (7.9998 puncte) 1 citare în BDI (0.6667 puncte) **8.6665 puncte**
9. C. Stanciu, M. Udrea, **C. Anghel**, and R.A. Dobre, "Improved Regularization for a Low-Complexity RLS Algorithm," in *Proc. 24th Telecommunications Forum* (TELFOR) 2016, Belgrad, Serbia. ***(4 autori)*** *https://doi.org/10.1109/TELFOR.2016.7818816*, **WOS:000393491700103**. **CITAT IN:** ✓ Huang Darong, Ke Lanyan, Mi Bo, Zhao Ling, and Sun Guoxi , "A New Incipient Fault Diagnosis Method Combining Improved RLS and LMD Algorithm for Rolling Bearings with Strong Background Noise," *IEEE Access*, April, 2018. *https://doi.org/10.1109/ACCESS.2018.2829803*, **WOS:000434690100001 {2 x 8/6 = 2.6667 puncte}** ✓ Jie Yang, Huang Jie, Wang Sheng, Hong Zijian, Hua Jian. and Zhang Guan Gui, "Performance Analysis of Sparsity-Penalized LMS Algorithms in Channel Estimation," in *Proc. First International Conference on Advanced Hybrid Information Processing* (ADHIP), pp 407-416, 2017, eBook ISBN: 978-3-319-73317-3 [DBLP], *https://doi.org/10.1007/978-3-319-73317-3_47* **{4/6 = 0.6667 puncte}**	1 citare în ISI (2.6667 puncte) 1 citare în BDI (0.6667 puncte) **3.3334 puncte**
10. A. Andreescu, A. Ghita, A. A. Enescu, **C. Anghel**, "Long Term Evolution Primary Synchronization Algorithms", ISETC 2010, Timisoara, Romania, pp. 125-128, **WOS:000296356700025 (4 autori)** **CITAT IN:**	

✓ Smaili, Nessrine; Djeddou, Mustapha; Ghanem, Khalida, "Performance Study of Nakagami-m Fading Channel in LTE System" , *Conference: 7th Seminar on Detection Systems Architectures and Technologies* (DAT) Location: Algiers, ALGERIA Date: FEB 20-22, 2017, **WOS:000403391100038 {8/4=2}** ✓ Jabbarvaziri, Faramarz; Alizadeh, Mostafa; Mohammadi, Abbas; et al., "Low-complexity method for primary synchronization in the third generation partnership project long term evolution downlink system", *IET COMMUNICATIONS* Volume: 10 Issue: 10 Pages: 1229-1235 Published: JUL 1 2016, **WOS:000379978300013 {8/4=2}** ✓ N Smaili, K Ghanem, M Djeddou, "Performance of LTE communication system in correlated rayleigh channel with different antenna configurations", *IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting* , pp. 306-307, Jul. 2015, ISSN: 1522-3965, **WOS:000371401400150 { 8/4 = 2 puncte}** ✓ Z Jiang, W Xu, W Hong, L Tian, J Liu, "Development of a FDD-LTE scanning measurement system", *Elsevier Measurements*, vol. 46, no. 9, pp. 3362-3371, Nov. 2013, doi:10.1016/j.measurement.2013.05.019, **WOS:000324298700042 { 2x8/4 = 4 puncte}** ✓ K Lee, J Kim, J Jung, I Lee," Zadoff-chu sequence based signature identification for ofdm", IEEE Transactions on Wireless Communications, vol. 12, no. 10, pp. 4932-4942, ISSN: 1536-1276, Oct. 2013, **WOS:000327729000011 { 2 x 8/4 = 4 puncte}**	5 citări în ISI (14 puncte) **14 puncte**
11. M. Bartis, V. Mocanu, A. A. Enescu, **C. Anghel**, "Achieving Secondary Synchronization for Downlink in the Long Term Evolution Standard", ISETC 2010, Timisoara, Romania, pp. 129-132, **WOS:000296356700026 (4 autori)** **CITAT IN:** ✓ Z Jiang, W Xu, W Hong, L Tian, J Liu, "Development of a FDD-LTE scanning measurement system", Elsevier Measurements, vol. 46, no. 9, pp. 3362-3371, Nov. 2013, doi:10.1016/j.measurement.2013.05.019, ISSN: 0263-2241, **WOS:000324298700042 { 2* 8/4 = 4 puncte}**	1 citare în ISI (4 puncte) **4 puncte**
12. **C. Anghel**, A. A. Enescu, O. Bugiugan, R. Cacoveanu, "FPGA implementation of a CTC Decoder for H-ARQ compliant WiMAX systems", Proceedings of International Conference on Design & Technology of Integrated Systems, DTIS 2007, Morocco, pp. 82-86, **WOS:000256296500016 (4 autori)** **CITAT IN:** ✓ R Krishnamoorthy, NS Pradeep, "Forward Error Correction Code for MIMO-OFDM System in AWGN and Rayleigh Fading Channel", International Journal of Computer Applications, vol. 69, no. 3, pp. 8-13, May 2013, ISSN 0975-8887, http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.404.603&rep=rep1&type=pdf **{ 4/4 = 1 punct}** ✓ KW Kwon, J Park, B Lee, S Kim, KH Baek, "Efficient CTC Interleaver and Deinterleaver for the WiMAX Standard", ISOCC Conference, pp. 472-475, Nov. 2008 http://www.dbpia.co.kr/Journal/ArticleDetail/NODE01810571 **{ 4/4 = 1 punct}** ✓ EAMAM Hussien, "Implementation of Convolutional Turbo Codes and Timing/Frequency Tracking for Mobile WiMAX", 172 pp, Sept. 2008	**4 puncte**

http://www.eece.cu.edu.eg/~hfahmy/thesis/2008_09_turbo.pdf **{ 4/4 = 1 punct}** ✓ A Hussien, HAH Fahmy, "Efficient hardware implementation for 802.16 e double binary Turbo decoder", IEEE International Conference on Microelectronics , pp. 14-17, Dec. 2008, ISSN 2159-1660 http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5374439 **{ 4/4 = 1 punct}**	
TOTAL A.3.1	**Puncte citări: 80.2625** ***Număr citări în ISI: 34***

A.3.2	**Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice indexate ISI**	**Punctaj**
	TOTAL A.3.2	**0**

A.3.3	**Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sai membru în comitetele de organizare ale manifestărilor științifice indexate BDI**	**Punctaj**
1.	Membru în comitetul tehnic ("Technical Program Committee") - The Fourth International Conference on Advances in Signal, Image and Video Processing SIGNAL 2019, 2-6 Iunie, 2019 - Atena, Grecia https://www.iaria.org/conferences2019/ComSIGNAL19.html	6
2.	Membru în comitetul tehnic ("Technical Program Committee") - The Third International Conference on Advances in Signal, Image and Video Processing SIGNAL 2018, 20-24 Mai, 2018 – Nisa, Franta https://www.iaria.org/conferences2018/ComSIGNAL18.html	6
3.	Membru în comitetul tehnic ("Technical Program Committee") - The Second International Conference on Advances in Signal, Image and Video Processing SIGNAL 2017, 21-25 Mai, 2017 – Barcelona, Spania https://www.iaria.org/conferences2017/ComSIGNAL17.html	6
4.	Membru în comitetul tehnic ("Technical Program Committee") - The First International Conference on Advances in Signal, Image and Video Processing SIGNAL 2016, 26-30 Iunie, 2016 – Lisabona, Portugalia https://www.iaria.org/conferences2016/ComSIGNAL16.html	6
5.	Membru în comitetul tehnic ("Technical Program Committee") - The Nineteenth International Conference on Networks *(ICN)* 2020, 23-27 Februarie – Lisabona, Portugalia https://www.iaria.org/conferences2020/ComICN20.html	6
6.	Membru în comitetul tehnic ("Technical Program Committee") - The Eighteenth International Conference on Networks *(ICN)* 2019, 24-28 Martie – Valencia, Spania https://www.iaria.org/conferences2019/ComICN19.html	6
7.	Membru în comitetul tehnic ("Technical Program Committee") - The Seventeenth International Conference on Networks *(ICN)* 2018, 22-26 Aprilie - Atena, Grecia https://www.iaria.org/conferences2018/ComICN18.html	6

8.	Membru în comitetul tehnic ("Technical Program Committee") - The Sixteenth International Conference on Networks *(ICN)* 2017, 23-27 Aprilie - Venetia, Italia https://www.iaria.org/conferences2017/ComICN17.html	6
9.	Membru în comitetul tehnic ("Technical Program Committee") - The Fifteenth International Conference on Networks *(ICN)*, Lisabona, Portugalia, 21-25 Februarie 2016 http://www.iaria.org/conferences2016/ComICN16.html	6
10.	Membru în comitetul tehnic ("Technical Program Committee") - The Fourteenth International Conference on Networks *(ICN)*, Barcelona, Spania, 19-24 Aprilie 2015 http://www.iaria.org/conferences2015/ComICN15.html	6
11.	Membru în comitetul tehnic ("Technical Program Committee") - The Twelfth International Conference on Networks *(ICN)*, Sevilia, Spania, 23-27 Februarie 2014 http://www.iaria.org/conferences2014/ComICN14.html	6
12.	Membru în comitetul tehnic ("Technical Program Committee") - The Thirteenth International Conference on Networks *(ICN)*, Nice, Franta, 27 Ianuarie-1 Februarie 2013 http://www.iaria.org/conferences2013/ComICN13.html	6
13.	Membru în comitetul tehnic ("Technical Program Committee") - The Eleventh International Conference on Networks *(ICN)*, Saint Gilles, Reunion, 29 Februarie-5 Martie 2012 http://www.iaria.org/conferences2012/ComICN12.html	6
14.	Membru în comitetul tehnic ("Technical Program Committee") - The Tenth International Conference on Networks *(ICN)*, St Maarten, 23-28 Ianuarie 2011 http://www.iaria.org/conferences2011/ComICN11.html	6
15.	Membru recenzor pentru - The 13th International Conference on Communications *(COMM)*, Bucuresti, Romania, 18-20 Iunie, 2020 https://comms.ro/index.html	6
16.	Membru în comitetul tehnic ("Technical Program Committee") - The 12th International Conference on Communications *(COMM)*, Bucuresti, Romania, 14-16 Iunie, 2018 https://www.comms.ro/comm2018/committees.html	6
17.	Membru în comitetul tehnic ("Technical Program Committee") - The 11th International Conference on Communications *(COMM)*, Bucuresti, Romania, 9-11 Iunie, 2016 https://www.comms.ro/comm2016/program-comm2016.pdf	6
18.	Recenzor pentru Buletinul UPB http://www.scientificbulletin.upb.ro/	6
19.	Recenzor pentru International Journal of Electronics and Communications, Elsevier http://ees.elsevier.com/aeue/	6
20.	Recenzor pentru REVUE ROUMAINE DES SCIENCES ECHNIQUES Série ÉLECTROTECHNIQUE et ÉNERGÉTIQUE http://revue.elth.pub.ro/	6
21.	Membru in comitetul editorial ("Editorial Board" al revistei – International Journal on Advances in Networks and Services http://www.iariajournals.org/networks_and_services/index.html	6

22.	Membru in comitetul editorial (“Editorial Board” al revistei – International Journal on Advances in Telecommmunications http://www.iariajournals.org/telecommunications/index.html	6
23.	Keynote Speaker – Cristian Anghel, Turbo codes in UMTS/ WiMAX/ LTE systems: solutions for an efficient FPGA implementation, IARIA AICT 2015, Bruxelles, Belgium http://www.iaria.org/conferences2015/ProgramAICT15.html	6
24.	**CN 6 / AAFAA: Advances in Adaptive Filtering for Acoustic Applications** Session chair: Cristian Anghel The Sixteenth International Conference on Networks *(ICN)* 2017, 23-27 Aprilie - Venetia, Italia https://www.iaria.org/conferences2017/ProgramICN17.html	6
	TOTAL A.3.3	**144**

A.3.4	**Premii în domeniu oferite de Academia Română, ASTR, AOSR, sau premii internaționale de prestigiu**	**Punctaj**
	C. Anghel, **C. Paleologu,** “2G Ultra Low Cost Mobile Phone Positioning without GPS”, *Proc. Advanced International Conference on Telecommunications (AICT)*, Brussels, Belgium, Iunie 2015, – ***“Paper Award”***. http://www.iaria.org/conferences2015/AwardsAICT15.html	15
	TOTAL	**15**

TOTAL A.3 - ACTIVITATEA DE CERCETARE	**239.2625 puncte**