

Fisa de verificare a standardelor minimale pentru gradul de profesor universitar stabilite prin OM nr. 6129/2016

Candidat Conf. Dr. Ing. Tudor Cioara
 Domeniul Calculatoare si Tehnologia Informatiei

Nr. C	Domeniul activ.			Subcategoriile	Indicatori (kpi)	Numar	Punctaj	
0	1	2	3	4	5			
1	Activitatea didactica si profesionala (A1)	Carti si capitole de carti de specialitate in edituri recunoscute	Carti, monografii, capitole ca autor	A1.1.1.	Internationale	50/nr autori	3	14.58
				A1.1.2	nationale	50/nr autori	5	82.50
		Material didactic/lucrari didactice	Manuale didactice	A1.2.1		40/nr autori	1	5.00
Total punctaj A(1)								102.08
2	Activitatea de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings		A2.1		(25+ 30 * factor impact) / nr. de autori	50	418.73
				A2.2		20 / nr. de autori	19	65.71
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	Internationale	35 / nr. de autori	0	0.00
				A2.3.2	nationale	25 / nr. de autori	0	0.00
		Granturi/proiecte castigate prin competitie	Director / responsabil	A2.4.1.1	Internationale	20 * ani de desfasurare	5	310.00
				A2.4.1.2	nationale	10 * ani de desfasurare	2	50.00
			Membru in echipa	A2.4.2.1	Internationale	4 * ani de desfasurare	5	56.00
A2.4.2.2	nationale	2 * ani de desfasurare		6	25.00			
Total punctaj A(2)								925.45
3	Recunoasterea impactului activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI	8 / nr aut art. citat	94	179.65
				A3.1.2	BDI	4 / nr aut art. citat	52	38.35
		Membru in colectivele de redactie sau comitete ale revistelor, organizator de manifestari stiintifice	Punctaj unic pentru fiecare activitate	A3.2		10	12	120.00
		Membru in colectivele de redactie sau comitete ale revistelor, organizator de manifestari stiintifice internationale indexate BDI	Punctaj unic pentru fiecare activitate	A3.3		6	3	18.00
		Premii in domeniu nationale sau internationale		A3.4		15	0	0.00
Total punctaj A(3)								356.01

Conditii minimale Ai			
Nr.	Domeniu de activitate (A)	Necesar Abilitare	Realizat
A1	Activitatea didactica / profesionala (A1)	100	102.08
A2	Activitatea de cercetare (A2)	600	925.45
A3	Recunoasterea impactului activitatii (A3)	150	356.01
Total (A)		850	1383.54

Conditii minimale obligatorii pe subcategorii			
		Necesar Abilitare	Realizat
A1.1.1.-A1.1.2	Carti si capitole in carti de specialitate	1	9.00
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15	50.00
A2.4.1	Granturi/proiecte castigate prin competitie (Director/ responsabil) sau contracte cu agentii economici in valoare de minim 10.000 de USD sau echivalent incasati	2	7.00
A3.1.1.-A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI	25	94.00
	Factor de impact cumulat pentru publicatii	10	39.09
	Nr Minim Reviste ISI in zona Q1/Q2	3	7.00

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OBS

Capitolele de carte valoreaza 0.25 din punctajul unei carti, punctajul se dubleaza daca cartea se regaseste in cel putin 50 de biblioteci cf WorldCat

BDI pt Calculatoare: ISI, IEEE, ACM, Scopus, Science Direct, Elsevier, Springer, DBLP, Wiley, EURASIP, INSPEC !!! (se exclud ProQuest, Google Scholar, MathSciNet, MATHEMATICAL REVIEWS, etc.)

Punctajul pentru citari in jurnalele ISI se dubleaza daca citarea este dintr-un jurnal ISI Q1/Q2

Bugetul proiectelor de cercetare raportate ca director de proiect trebuie sa depaseasca 10.000 de USD.

Se considera doar ctr. cu tertii care au caracter preponderent de cercetare >= 10.000 USD

Anexa: datele pentru calculul indeplinirii criteriilor

A1.1.1.-A1.1.2. Carti, monografii, capitole ca autor, internationale si nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	Tudor Cloara, Ionuț Anghel	Distributed Frameworks for Managing Cyber Physical Production Systems in Smart Factories, ISBN: 978-606-737-296-0	UT Press Cluj-Napoca	2018	25.00
2	Ionuț Anghel, Tudor Cloara	Ambient Intelligence for Elders Care, ISBN: 978-606-737-297-7	UT Press Cluj-Napoca	2018	25.00
3	Tudor Cloara, Ionuț Anghel, Dan Valea, Ioan Salomie, Victor Sanchez Martin, Alejandro Marchena, Elisa Jimeno and Martijn Vastenburb	Adaptive Workspace Interface for Facilitating the Knowledge Transfer from Retired Elders to Start-up Companies, Ambient Assisted Living and Enhanced Living Environments: Principles, Technologies and Control, ISBN: 978-0-12-805195-5	Butterworth-Heinemann / Elsevier	2017	3.13
4	Ionuț Anghel, Tudor Cloara, and Ioan Salomie	Context Aware and Reinforcement Learning based Load Balancing System for Green Clouds, Resource Management for Big Data Platforms, ISBN 978-3-319-44881-7	Springer	2016	8.33
5	Ionuț Anghel, Ioan Salomie, Tudor Cloara, Georgiana Copil, Daniel Moldovan	Autonomic computing techniques for pervasive systems and energy efficient data centres, ISBN 978-973-662-850-4	UT Press Cluj-Napoca	2013	10
6	Alexander Kipp, Tao Jiang, Jia Liu, Mariagrazia Fugini, Ionuț Anghel, Tudor Cloara, Daniel Moldovan and Ioan Salomie	Energy-Aware provisioning of HPC services with virtualised web services, Evolutionary Based Solutions for Green Computing, Studies in Computational Intelligence, ISBN 978-3-642-30658-7	Springer	2013	3.13
7	Tudor Cloara, Ioan Salomie, Ionuț Anghel, Daniel Moldovan, Georgiana Copil	Context aware adaptive systems with applicability in green service centres, ISBN 9789736628511	UT Press Cluj-Napoca	2013	10.00
8	Ioan Salomie, Tudor Cloara, Ionuț Anghel, Tudor Salomie	Distributed Computing and Systems, ISBN 978-973-650-234-7,	Editura Albastra Cluj-Napoca	2008	12.50
					97.08

A1.2.1. Materiale didactice

1	M. Antal, C. Pop, D. Moldovan, T. Petrican, C. Stan, I. Salomie, T. Cloara, I. Anghel	Distributed Systems – Laboratory Guide, Editura UTPRESS Cluj-Napoca, 2018 ISBN 978-606-737-329-5	UTPRESS Cluj-Napoca	2018	5
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A2.1. Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

Nr.	Autori	Titlu articol	Factor Impact	Nr. Aut	Punctaj
1	Tudor Cloara, Ionuț Anghel, Massimo Bertoncini, Ioan Salomie, Diego Arnone, Marzia Mammina, Terpsi Velivassaki, Marcel Antal	Optimized Flexibility Management enacting Data Centres Participation in Smart Demand Response Programs, Future Generation Computer Systems, Volume 78, Part 1, January 2018, Pages 330-342.	4.968	8	21.76 Q1
2	Tudor Cloara, Ionuț Anghel, Ioan Salomie, Marcel Antal, Claudia Pop, Massimo Bertoncini, Diego Arnone, Florin Pop	Exploiting data centres energy flexibility in smart cities: Business scenarios, Information Sciences, 2018, ISSN 0020-0255	4.378	8	19.54 Q1
3	Marcel Antal, Claudia Pop, Tudor Cloara, Ionuț Anghel, Ioan Salomie, Florin Pop	A system of systems approach for data centers optimization and integration into smart energy grids, Future Generation Computer Systems, Available online 24 May 2017, ISSN 0167-739X	4.968	6	29.01 Q1
4	Tudor Cloara, Ionuț Anghel, Ioan Salomie, Lina Barakat, Simon Miles, Dianne Reidlinger, Adel Taweel, Ciprian Dobre, Florin Pop	Expert System for Nutrition Care Process of Older Adults, FGCS 2018, Volume 80, March 2018, Pages 368-383, ISSN 0167-739X	4.968	9	19.34 Q1
5	Claudia Pop, Tudor Cloara, Marcel Antal, Ionuț Anghel, Ioan Salomie and Massimo Bertoncini	Blockchain Based Decentralized Management of Demand Response Programs in Smart Energy Grids, Sensors 2018, 18(1), 162. http://www.mdpi.com/1424-8220/18/1/162	2.475	6	16.54 Q2
6	Marcel Antal, Tudor Cloara, Ionuț Anghel, Claudia Pop and Ioan Salomie	Transforming Data Centers in Active Thermal Energy Players in Nearby Neighborhoods, Sustainability 2018, 10, 939. http://www.mdpi.com/2071-1050/10/4/939	2.075	5	17.45 Q2

7	Tudor Cloara, Ionut Anghel, Ioan Salomie	Methodology for Energy Aware Adaptive Management of Virtualized Data Centers, Energy Efficiency 2016, http://link.springer.com/article/10.1007/s12053-016-9467-2?wt_mc=internal.Event.1.SEM.ArticleAuthorOnlineFirst	1.634	3	24.67
8	Adel Taweel, Lina Barakat, Simon Miles, Tudor Cloara, Ionut Anghel, Abdel-Rahman H. Tawil, Ioan Salomie	A service-based system for malnutrition prevention and self-management, in Computer Standards & Interfaces, http://dx.doi.org/10.1016/j.csi.2016.03.005 , 2016.	1.479	7	9.91
9	Ionut Anghel, Tudor Cloara, Ioan Salomie, Mihaela Dinsoreanu, Anca Rarau	Middleware for Smart Environments Management, in International journal of computers communications & control, vol. 5, no. 2, pp. 148-159, 2010.	1.29	5	12.74
10	Marcel Antal, Claudia Pop, Dan Valea, Tudor Cloara, Ionut Anghel, Ioan Salomie	Optimizing Data Centres Operation to Provide Ancillary Services On-demand, Economics of Grids, Clouds, Systems, and Services, GECON 2015, ISBN 978-3-319-43176-5	0.4	6	6.17
11	Ionut Anghel, Massimo Bertoncini, Tudor Cloara, Marco Cupelli, Vasiliki Georgiadou, Pooyan Jahangiri, Antonello Monti, Sean Murphy, Anthony Schoofs, Terpsi Velivassaki	GEYSER: Enabling Green Data Centres in Smart Cities, in ENERGY EFFICIENT DATA CENTERS, vol. 8945, pp. 71-86, 2015. 978-3-319-15785-6	0.4	10	3.70
12	Tudor Cloara, Ioan Salomie, Ionut Anghel, Iulian Chira, Alexandru Cocian, Ealan Henis, Ronen Kat	A Dynamic Power Management Controller for Optimizing Servers' Energy Consumption in Service Centers, in SERVICE-ORIENTED COMPUTING, 978-3-642-19393-4, vol. 6568, pp. 158-168, 2011.	0.4	7	5.29
13	Ioan Salomie, Tudor Cloara, Ionut Anghel, Daniel Moldovan, Georgiana Copil, Pierluigi Plebani	An Energy Aware Context Model for Green IT Service Centers, in SERVICE-ORIENTED COMPUTING, 978-3-642-19393-4, vol. 6568, pp. 169-180, 2011.	0.4	6	6.17
14	Tudor Cloara, Ionut Anghel, Ioan Salomie, Mihaela Dinsoreanu, Georgiana Copil, Daniel Moldovan	A Self-Adapting Algorithm for Context Aware Systems, in 9TH ROEDUNET, pp. 374-379, 2010.	0.25	6	5.42
15	Ionut Anghel, Tudor Cloara, Ioan Salomie, Mihaela Dinsoreanu, Anca Rarau	A Policy Driven Self-healing Algorithm for Context Aware Systems, ICCP 2009, pp. 229-236, 2009.	0.25	5	6.50
16	Tudor Cloara, Ionut Anghel, Ioan Salomie, Mihaela Dinsoreanu	A Context-based Semantically Enhanced Information Retrieval Model, ICCP 2009, pp. 245-250, 2009.	0.25	4	8.13
17	Ionut Anghel, Tudor Cloara, Ioan Salomie, Mihaela Dinsoreanu, Anca Rarau	A self-configuring middleware for managing context awareness, in WINSYS 2009, pp. 131-138, 2009.	0.25	5	6.50
18	Ioan Salomie, Ionut Anghel, Tudor Cloara, Mihaela Dinsoreanu	A Context Awareness Model Enhanced with Autonomic Features, ICCP 2008, pp. 239-246, 2008.	0.25	4	8.13
19	Ioan Salomie, Tudor Cloara, Ionut Anghel, Mihaela Dinsoreanu	RAP - A Basic Context Awareness Model, ICCP 2008, pp. 315-318, 2008.	0.25	4	8.13
20	Tudor Cloara, Ionut Anghel, Ioan Salomie, Mihaela Dinsoreanu	A Generic Context Model with Autonomic Features, ICDIM 2008, pp. 891-896, 2008.	0.25	4	8.13
21	Ioan Salomie, Tudor Cloara, Ionut Anghel, Mihaela Dinsoreanu, Tudor Salomie	A layered workflow model enhanced with process algebra verification for industrial processes, ICCP 2007, pp. 185-191, 2007.	0.25	5	6.50
22	Ioan Salomie, Tudor Cloara, Ionut Anghel, Mihaela Dinsoreanu, Tudor Salomie	Machine simulation for workflow integration testing, in ICCP 2007, pp. 193-199, 2007.	0.25	5	6.50
23	Ioan Salomie, Tudor Cloara, Ionut Anghel, Mihaela Dinsoreanu, Tudor Salomie	Workflow models enhanced with process algebra verification for industrial business processes, in Proceeding of the 11th international conference on computers: computer science and technology, VOL 4, pp. 501-506, 2007.	0.25	5	6.50
24	Ioan Salomie, Tudor Cloara, Ionut Anghel, Mihaela Dinsoreanu, Tudor Salomie	Machine and business modeling and simulation for workflow integration, in Proceedings of the 9th International Conference on Automatic Control, Modeling & Simulation, pp. 165-170, 2007.	0.25	5	6.50

25	Ionut Anghel, Tudor Cloara , Ioan Salomie, Mihaela Dinsoreanu	An Autonomic Context Management Model based on Machine Learning, SYNASC 2010, pp. 335-338, 2011.	0.25	4	8.13
26	T. Cloara , I. Anghel, I. Salomie, M. Dinsoreanu	A Policy-based Context Aware Self-Management Model, in SYNASC 2009, pp. 333-340, 2009.	0.25	4	8.13
27	T. Cloara , I. Anghel, M. Antal, S. Crisan, I. Salomie	Data center optimization methodology to maximize the usage of locally produced renewable energy, in 2015 Sustainable Internet and ICT for Sustainability, SustainIT 2015.	0.25	5	6.50
28	D. Moldovan, M. Antal, D. Valea, C. Pop, T. Cloara , I. Anghel, I. Salomie	Tools for mapping ontologies to relational databases: A comparative evaluation, ICCP 2015, pp. 77-83, 2015.	0.25	7	4.64
29	C. Pop, D. Moldovan, M. Antal, D. Valea, T. Cloara , I. Anghel, I. Salomie	M2O: A library for using ontologies in software engineering, ICCP 2015, pp. 69-75, 2015.	0.25	7	4.64
30	Dorin Moldovan, Claudia Pop, Marcel Antal, Tudor Cloara , Ionut Anghel, Ioan Salomie	Semantic Web Application Generator – A Library for Using Ontologies as Web Services, ICCP2016.	0.25	6	5.42
31	Pintea, E. Pintea, Claudia Daniela Pop, Tudor Cloara, Ionut Anghel, Ioan Salomie	Thermal Aware Workload Consolidation in Cloud Data Centers, ICCP2016.	0.25	7	4.64
32	Knoblauch, M. Antal, D. Moldovan, T. Cloara , I. Anghel and I. Salomie,	Semantic data factory: A framework for using domain knowledge in software application development, ICCP 2017, pp. 21-28. ISBN: 978-1-5386-3368-7	0.25	8	4.06
33	D. Moldovan, T. Cloara, I. Anghel and I. Salomie	Machine learning for sensor-based manufacturing processes, ICCP 2017, pp. 147-154. ISBN: 978-1-5386-3368-7	0.25	4	8.13
34	T. Petrican, C. Stan, M. Antal, I. Salomie, T. Cloara and I. Anghel	Ontology-based skill matching algorithms, ICCP 2017, pp. 205-211. ISBN: 978-1-5386-3368-7	0.25	6	5.42
35	M. Antal, C. Pop, T. Cloara , I. Anghel, I. Tamas and I. Salomie	Proactive day-ahead data center operation scheduling for energy efficiency: Solving a MIOCP using a multi-gene genetic algorithm, ICCP 2017, pp. 527-534. ISBN: 978-1-5386-3368-7	0.25	6	5.42
36	M. Antal, A. Burnete, C. Pop, T. Cloara , I. Anghel and I. Salomie	Self-adaptive task scheduler for dynamic allocation in energy efficient data centers, ICCP 2017, pp. 535-541. ISBN: 978-1-5386-3368-7	0.25	6	5.42
37	D. Moldovan, P. Stefan, C. Vuscan, V. R. Chifu, I. Anghel, T. Cloara , I. Salomie	Diet Generator for Elders using Cat Swarm Optimization and Wolf Search, MEDITECH 2016, IFMBE Proceedings, vol 59. Springer, pp 238-243, 2017	0.25	7	4.64
38	Tudor Cloara , Ionut Anghel, Ioan Salomie	A Self-configuring Middleware Solution for Context Management, in E-BUSINESS AND TELECOMMUNICATIONS. ICETE 2009, 978-3-642-20076-2, vol. 130, pp. 332-345, 2011.	0.25	3	10.83
39	Dorin Moldovan, Marcel Antal, Claudia Pop, Adrian Olosutean, Tudor Cloara , Ionut Anghel, and Ioan Salomie	Spark-based Classification Algorithms for Daily Living Activities, Advances in Intelligent Systems and Computing Series, ISSN 2194-5357, CSOC2018, https://www.openpublish.eu/ConferenceProgramme	0.25	7	4.64
40	Ionut Anghel, Tudor Cloara , Ioan Salomie	ICT Architecture for Supporting Elder Employees to Make Conscious Decisions Under Time Pressure, in State-of-the-Art and Future Directions of Smart Learning, ISBN 978-981-287-868-7, Springer, 2016	0.25	3	10.83
41	Ionut Anghel, Tudor Cloara , Terpsi Velivassaki, Massimo Bertoncini, Artemis Voukaidis, Ariel Oleksiak, Nicolas SAINThERANT, Vasiliki Georgiadou, Maria	Converting Data Centres in Energy Flexibility Ecosystems, 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe, 2018, https://www.eeeic.net/eeeic/EEEEICdownload/EEEEIC2018PreliminaryProgram.pdf	0.25	10	3.25
42	Viorica Rozina Chifu, Cristina Bianca Pop, Tudor Cloara, Ionut Anghel, Dorin Moldovan and Ioan Salomie	Identifying the Polypharmacy Side-Effects in Daily Life Activities of Elders with Dementia, Volume 798 of the Studies in Computational Intelligence series, ISSN 978-3-319-99625-7, IDC 2018	0.25	6	5.42

43	Tudor Cloara, Massimo Bertoncini, Dimosthenis Ioannidis, Vincenzo Croce, Ionut Anghel, Konstantinos Votis, Claudia Pop and Luigi D'Orlano	Enabling New Tehnologies for Demand Response Decentralized Validation using Blockchain, 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe, 2018, https://www.eeeic.net/eeeic/EEEEI2018PreliminaryProgram.pdf	0.25	8	4.06
44	Cristian Pinte, Eugen Pinte, Marcel Antal, Claudia Pop, Cloara Tudor, Ionut Anghel and Ioan Salomie	CoolCloudSim: Integrating Cooling System Models in CloudSim, ICC P2018	0.25	7	4.64
45	Dorin Moldovan, Adrian Olosutean, Viorica Chifu, Cristina Pop, Tudor Cloara, Ionut Anghel, Ioan Salomie	Big Data Analytics for the Daily Living Activities of the People with Dementia, ICCP 2018	0.25	7	4.64
46	Claudia Pop, Marcel Antal, Cristian Pop, Andreea Valeria Vesa, Cloara Tudor, Ionut Anghel, Ioan Salomie and Teodor Petrican	Decentralizing the Stock Exchange using Blockchain: An Ethereum-based implementation of the Bucharest Stock Exchange, ICCP 2018	0.25	8	4.06
47	Teodor Petrican, Andreea Valeria Vesa, Marcel Antal, Claudia Pop, Tudor Cloara, Ionut Anghel and Ioan Salomie	Evaluating Forecasting Techniques for Integrating Household Energy Prosumers into Smart Grids, ICCP 2018	0.25	7	4.64
48	Roxana Jurca, Tudor Cloara, Ionut Anghel, Marcel Antal, Claudia Pop, Dorin Moldovan	Activities of Daily Living Classification using Recurrent Neural Networks, RoEduNet Conference 2018	0.25	6	5.42
49	Dorin Moldovan, Viorica Chifu, Cristina Pop, Tudor Cloara, Ionut Anghel, Ioan Salomie	Chicken Swarm Optimization and Deep Learning for Manufacturing Processes, RoEduNet Conference 2018.	0.25	6	5.42
50	Ionut Anghel, Tudor Cloara, Dorin Moldovan, Ioan Salomie and Madalina Maria Tomus	Prediction of Manufacturing Processes Errors: Gradient Boosted Trees Versus Deep Neural Networks, EUC-2018	0.25	5	6.50
Factor impact cumulativ			39.085		418.73
Total punctaj A2.1.					

A2.2. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)

Nr.	Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. Autori	Punctaj
1	M. Bertoncini, D. Arnone, T. Cloara, I. Anghel, I. Salomie, T.-H. Velivassaki	Next generation data centers business models enabling multi-resource integration for smart city optimized energy efficiency, in e-Energy 2015 - Proceedings of the 2015 ACM 6th International Conference on Future Energy Systems, pp. 247-252, 2015.	ACM	6	3.33
2	Marcel Antal, Tudor Cloara, Ionut Anghel, Claudia Pop, Ioan Salomie, Massimo Bertoncini, and Diego Arnone	DC Thermal Energy Flexibility Model for Waste Heat Reuse in Nearby Neighborhoods, n Proceedings of the Eighth International Conference on Future Energy Systems (e-Energy '17). ACM, New York, NY, USA, 278-283	ACM	7	2.86
3	T. Cloara, I. Anghel, I. Salomie, M. Antal, M. Bertoncini, D. Arnone	Optimizing the Power Factor of Data Centers Connected to the Smart Grid, 5th International workshop on energy-efficient data centres, E2DC 2016 June 21 Waterloo, Canada	ACM	6	3.33
4	M. Antal, I. Tamas, T. Cloara, I. Anghel, I. Salomie	A swarm-based algorithm for optimal spatial coverage of an unknown region, in Proceedings - 2013 IEEE 9th International Conference on Intelligent Computer Communication and Processing, ICCP 2013, pp. 7-13, 2013.	IEEE	5	4.00
5	I. Anghel, C.B. Pop, T. Cloara, I. Salomie, I. Vartic	A Swarm-inspired technique for self-organizing and consolidating data centre servers, in Scalable Computing, vol. 14, no. 2, pp. 69-82, 2013.	Scopus	5	4.00

6	D. Moldovan, G. Copil, I. Salomie, I. Anghel, T. Cioara	A membrane computing inspired packing solution and its application to service center workload distribution, in Proceedings - 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, ICCP 2012, pp. 281-288, 2012.	IEEE	5	4.00
7	G. Copil, D. Moldovan, I. Salomie, T. Cioara, I. Anghel, D. Borza	Cloud SLA negotiation for energy saving - A particle swarm optimization approach, in Proceedings - 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, ICCP 2012, pp. 289-296, 2012.	IEEE	6	3.33
8	C.B. Pop, I. Anghel, T. Cioara, I. Salomie, I. Vartic	A swarm-inspired data center consolidation methodology, in WIMS'12, International Conference on Web Intelligence, Mining and Semantics, 2012.	ACM	5	4.00
9	T. Cioara, I. Anghel, L. Salomie, D. Moldovan, G. Copil, P. Plebani	Dynamic consolidation methodology for optimizing the energy consumption in large virtualized service centers, in Federated Conference on Computer Science and Information Systems, FedCSIS 2011, pp. 1005-1011, 2011.	IEEE	6	3.33
10	T. Cioara, I. Anghel, I. Salomie, G. Copil, D. Moldovan, A. Kipp	Energy aware dynamic resource consolidation algorithm for virtualized service centers based on reinforcement learning, in Proceedings - 2011 10th International Symposium on Parallel and Distributed Computing, ISPEC 2011, pp. 163-169, 2011.	IEEE	6	3.33
11	T. Cioara, I. Anghel, I. Salomie, G. Copil, D. Moldovan, M. Grindean	Time series based dynamic frequency scaling solution for optimizing the CPU energy consumption, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 477-483, 2011.	IEEE	6	3.33
12	G. Copil, T. Cioara, I. Anghel, I. Salomie, D. Moldovan, D. Borza	A genetic-inspired negotiation algorithm for QoS and energy consumption tradeoffs in virtualized service centers, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 471-476, 2011.	IEEE	6	3.33
13	I. Anghel, T. Cioara, I. Salomie, G. Copil, D. Moldovan, C. Pop	Dynamic frequency scaling algorithms for improving the CPU's energy efficiency, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 485-491, 2011.	IEEE	6	3.33
14	I. Anghel, T. Cioara, I. Salomie, G. Copil, D. Moldovan	An autonomic algorithm for energy efficiency in service centers, in Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, pp. 281-288, 2010.	IEEE	5	4.00
15	T. Cioara, C.B. Pop, I. Anghel, I. Salomie, M. Dinsoreanu, I. Condor, F. Mihaly	Immune-inspired technique for optimizing server's energy consumption, in Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, pp. 273-280, 2010.	IEEE	7	2.86
16	T. Cioara, I. Anghel, I. Salomie, M. Dinsoreanu, G. Copil, D. Moldovan	A reinforcement learning based self-healing algorithm for managing context adaptation, in iiWAS2010 - 12th International Conference on Information Integration and Web-Based Applications and Services, pp. 859-862, 2010.	ACM	6	3.33
17	T. Cioara, L. Anghel, L. Salomie, M. Dinsoreanu	A generic context model enhanced with self-configuring features, in Journal of Digital Information Management, vol. 7, no. 3, pp. 159-165, 2009.	Scopus	4	5.00
18	Adrian Cosinschi, Cristian Botau, Tudor Cioara, Ionut Anghel, Ioan Salomie	A Workload Prediction Based Controller for Energy-Efficient Resource Allocation in Virtualized Data Centers, in Proceedings of the 2012 21st International Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises, pp. 109-114-2012.	ACM	5	4.00
19	Barbara Pernici, Cinzia Cappiello, Maria Grazia Fugini, Pierluigi Plebani, Monica Vitali, Ioan Salomie, Tudor Cioara, Ionut Anghel, Ealan Henis, Ronen Kat, Doron Chen, George Goldberg, Micha vor dem Berge	Setting energy efficiency goals in data centres: the GAMES approach, in "Energy Efficient Data Centers, Lecture Notes in Computer Science", E2DC2012, ISBN 978-3-642-33644-7	Springer	20	1.00
Total punctaj A2.2.					65.71

A2.4.1. Granturi/proiecte castigate prin competitie: director/responsabil de proiect

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	BD2008, „TOWARDS DEVELOPING CONTEXT AWARE PERVASIVE SYSTEMS”, cod CNCIS 328, 54.000 Lei, Director Proiect , http://old.uefiscdi.ro/userfiles/file/BURSE%20BD/Rez_BD_2008_NOI.pdf	2008-2011	3	30
2	International	COST Action CA15140, Improving Applicability of Nature-Inspired Optimisation by Joining Theory and Practice (ImAppNIO), OUTREACH COORDINATOR , http://imappnio.dcs.aber.ac.uk/contacts	2016-2020	4	80
3	National	OPTIPLAN - Tehnologia de Digitalizare, Analiza și Optimizare a Procesului de Producție a Contoarelor și Regulateoarelor de Gaz în Fabrica Emerson, BG37/2016, Bridge Grant PN-III-P2-2.1-BG-2016-0080, 460.000 Lei - DIRECTOR PROIECT	2016-2018	2	20
4	International	MedGUIDE, H2020 AAL 44 2017, Ambient Assisted Living Joint Programme AAL-2016, 199.200 Euro - Responsabil Stiintific al Intregului Proiect	2017-2019	2.5	50

5	International	Proiect de cercetare Montran "Distributed systems technology and services for electronic registration, transacting and processing of assets", DIRECTOR PROJECT, Proiect cu tertii > 10.000 USD	2016-2019	3	60
6	International	H2020 Converting DCs in Energy Flexibility Ecosystems (CATALYST), 263.750 Euro, DIRECTOR PROJECT	2017-2020	3	60
7	International	H2020 eDREAM - enabling new Demand REsponse Advanced, Market oriented and Secure technologies, solutions and business models, 390.000 Euro, DIRECTOR PROJECT	2018-2021	3	60
Total punctaj A2.4.1					360

A2.4.2. Granturi/proiecte castigate prin competitie: membru in echipa

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	GAMES - Green Active Management of Energy in IT Service centres (248514 / 2010) FP7-ICT-2009-6.3: ICT for Energy efficiency	2010-2012	2.5	10
2	International	GEYSER - Green nEtworked Data Centres as EnergY ProSumErs in smaRt city environments (609211/2013), FP7-ICT-2013.6.2: Data Centres in an energy-efficient and environmentally friendly Interne	2013-2016	3	12
3	International	DIET4Elders - Dynamic Nutrition Behaviour Awareness System for the Elders (AAL16/2013), Ambient Assisted Living Joint Programme AAL-2012-5	2013-2016	3	12
4	International	Elders-UP!- Adaptive system for enabling the elderly collaborative knowledge transference to small companies (AAL26/2014), Ambient Assisted Living Joint Programme AAL-2013-6	2014-2016	2.5	10
5	National	MAESTRO, proiect de tip CNCIS PN II IDEI, cod 333/2007	2007-2010	3	6
6	National	ARHINET, proiect de tip Parteneriate, 11-051/2007 CNMP, Program 4	2007-2010	3	6
7	National	FOOD-TRACE, proiect de tip CEE, 33/2006, domeniul 03 P-CD	2006-2008	2	4
8	National	GAMES 92EU/2010, proiect de tip Capacitati Modulul III	2010-2012	2	4
9	National	ECO2CLOUD, PN-III-P2-2.1-BG-2016-36	2016-2018	2	4
10	National	Proiect de cercetare Siemens Neural Networks for Machine Learning in Big-Data, Proiect cu tertii > 10.000 USD	2016	0.5	1
11	International	ReMIND, AAL-2018, H2020 Ambient Assisted Living Joint Programme AAL-2017, 220.000 Euro	2018-2021	3	12
Total punctaj A2.4.1					81

A3.1.1. Citari in carti, reviste si volume ale unor manifestari stiintifice (carti, ISI)

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	D Moldovan, M Antal, D Valea, C Pop, T Cloara, I Anghel, I Salomie, Tools for mapping ontologies to relational databases: A comparative	Ming Tao, , Kaoru Ota, Mianxiong Dong, Ontology-based data semantic management and application in IoT- and cloud-enabled smart homes, Future Generation Computer Systems, Available online 19 November 2016	7	2.29
2	Marcel Antal, Claudia Pop, Dan Valea, Tudor Cloara, Ionut Anghel, Ioan Salomie, Optimizing Data Centres Operation to Provide Ancillary	D'Agostino D. et al. (2017) Performance and Economic Evaluations in Adopting Low Power Architectures: A Real Case Analysis. In: Pham C, Altmann J, Bañares J. (eds) Economics of Grids, Clouds, Systems, and Services. GECON 2017. Lecture Notes in Computer Science, vol 10537. Springer, Cham	6	1.33
3	Adel Taweel, Lina Barakat, Simon Miles, Tudor Cloara, Ionut Anghel, Abdel-Rahman H. Tawil, Ioan Salomie, A service-based system for	SE Kuo, HS Lai, JM Hsu, YC Yu, DZ Zheng, A clinical nutritional information system with personalized nutrition assessment, Computer Methods and Programs in Biomedicine Volume 155, March 2018, Pages 209-216	7	2.29
4	Tudor Cloara, Ionut Anghel, Ioan Salomie, Mihaela Dinsoreanu, Georgiana Copil, Daniel Moldovan, "A Self-Adapting	Nimalasena A., Getov V., System Evolution for Unknown Context through Multi-action Evaluation, 2013 IEEE 37TH ANNUAL COMPUTER SOFTWARE AND APPLICATIONS CONFERENCE WORKSHOPS (COMPSACW), 2013, Pages: 271-276	6	1.33
5		Ozgun Pinarer, YannGripay, Sylvie Servigne, Atay Ozgovde, AtillaBaskurt, Dynamic energy-aware sensor configuration in multi-application monitoring systems, Pervasive and Mobile Computing, 2017, https://www.sciencedirect.com/science/article/pii/S1574119217300810	6	2.67
6		Pinarer O., Gripay Y., Servigne S., Ozgovde A. (2016) Energy Enhancement of Multi-application Monitoring Systems for Smart Buildings. In: Krogstie J., Mouratidis H., Su J. (eds) Advanced Information Systems Engineering Workshops. CAISE 2016. Lecture Notes in Business Information Processing, vol 249. Springer, Cham	6	1.33
7		Boulanger, David, et al. "Smart Learning Analytics." Emerging Issues in Smart Learning. Springer Berlin Heidelberg, 2015. 289-296.	6	1.33
8		Ganesan R., Mydhile S., Design and Development of Remote Vehicle Health Monitoring System using Context Aware Web Services, 2013 IEEE CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT 2013), 2013, Pages: 760-764	6	1.33

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11		Nesrine Khabou, Ismael Bouassida Rodríguez, Mohamed Imaiel, A novel analysis approach for the design and the development of context-aware applications, JOURNAL OF SYSTEMS AND SOFTWARE, 2017, https://www.sciencedirect.com/science/article/pii/S01641212173	6	2.67
12	Ionut Anghel, Massimo Bertoncini, Tudor Cioara, Marco Cupelli, Vasiliki Georgiadou,	E Oró, M Codina, J Salom, Energy model optimization for thermal energy storage system integration in data centres, Journal of Energy Storage, 2016 - Elsevier	10	0.80
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15		Umar Mahmud, Organizing Contextual Data in Context Aware Systems: A Review, Handbook of Research on Human-Computer Interfaces, Developments, and Applications, Editors João Rodrigues (University of Algarve, Portugal), Pedro Cardoso (University of Algarve, Portugal), Jânio Monteiro (University of Algarve, Portugal) and Mauro Figueiredo (University of Algarve, Portugal) .EISBN13-9781522504368DOI: 10.4018/978-1-5225-	4	2.00
16	G. Copil, D. Moldovan, I. Salomie, T. Cioara, I. Anghel, D. Borza, Cloud SLA negotiation for energy saving - A	Zhi-Hui Zhan, Xiao-Fang Liu, Yue-Jiao Gong, Jun Zhang, Henry Shu-Hung Chung, and Yun Li. 2015. Cloud Computing Resource Scheduling and a Survey of Its Evolutionary Approaches. ACM Comput. Surv. 47, 4, Article 63 (July 2015), 33 pages	6	2.67
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23		Cheng-Ien Tang, Miau-Ru Dai, Chi-Cheng Chuang, Yu-Sheng Chiu, Energy management for the homogeneous server clusters offering web services, Energy Efficiency - December 2015	20	0.40
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Total punctaj A3.1.1.

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Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	G. Copil, T. Cloara, I. Anghel, I. Salomie, D. Moldovan, D. Borza A genetic-inspired negotiation algorithm for QoS and energy consumption tradeoffs in virtualized service centers, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 471-476, 2011.	E. Benkhelifa, T. Welsh, L. Tawalbeh, A. Khreishah, Y. Jararweh and M. Al-Ayyoub, "GA-Based Resource Augmentation Negotiation for Energy-Optimised Mobile Ad-hoc Cloud," 2016 4th IEEE International Conference on Mobile Cloud Computing, Services, and Engineering (MobileCloud), Oxford, 2016, pp. 110-116.	5	0.8

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	Nume manifestare	URL	Tip (ISI/BDI)	Punctaj
1	IEEE 7th International Conference on Intelligent Computer Communication and Processing August 25-27, 2011, Cluj-Napoca, Romania Special Session: Green Computing Organized in cooperation with GAMES EU FP7 project. - Organizator Special Session	http://coned.utcluj.ro/greenCCP2011/	BDI	6
2	The Ninth International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing (IMIS-2015) - PC member	http://voyager.ce.fit.ac.jp/conf/imis/2015/committee.html#context	BDI	6
3	Mediterranean Conference on Information Systems 2014 - PC member	http://www.mcis2014.it/track3.html	BDI	6
4	Sustainable Computing - Reviewer	http://www.journals.elsevier.com/sustainable-computing	ISI	10

5	International Conference on Intelligent Computer Communication and Processing - Reviewer	www.iccp.ro	ISI	10
6	Journal of Parallel and Distributed Computing - Reviewer	http://www.journals.elsevier.com/journal-of-parallel-and-distributed-computing/	ISI	10
7	Scientific Programming- Reviewer	http://www.hindawi.com/journals/sp/	ISI	10
8	Computer Journal- Reviewer	http://comjnl.oxfordjournals.org/	ISI	10
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12	Information Sciences- Reviewer	https://www.journals.elsevier.com/information-sciences/	ISI	10
13	IEEE Journal on Selected Areas in Communications - Guest Editor	http://www.comsoc.org/jsac	ISI	10
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