Anexa 4

FISA DE VERIFICARE A INDEPLINIRII STANDARDELOR MINIMALE

Candidat **Antal Marcel**, înscris la concursul pentru ocuparea postului de **Sef Lucrari** la **Facultatea Automatica si Calculatoare, Departament Calculatoare**, poziția **54.**

Criteriu / subcriteriu	Evaluare	Document doveditor
1. Activitatea didactică		
1.a. autor / coautor / lucrări didactice publicate la edituri recunoscute	Numar lucrari 1	(se regasesc in lista de lucrari)
1.b. autor / coautor / lucrări de laborator redactate și realizate practic	Numar lucrari 6	(se regasesc in lista de lucrari)
2. Activitatea științifică		
2. a. autor / coautor / lucrări științifice publicate (conform criteriilor minimale aprobate de Senat)	Numar lucrari 30	(se regasesc in lista de lucrari)
2. b autor / coautor / alte lucrări (proiecte, studii, etc.)	Numar lucrari	(se regasesc in lista de lucrari)
2. c. participări în colective de cercetare	Numar 1	(se regasesc in lista contractelor de cercetare)
3. Activitate în folosul comunității academice		
3. a. activitate în comisii permanente la nivel de departament / facultate / universitate	**Da** / ~~**nu**~~	Atestat departament / facultate/universitate
3. b. membru în structuri ale unor organizații naționale și internaționale	**Da** / ~~**nu**~~	Atasati copii dupa documente doveditoare

Data 16.01.2019 **Semnătura (candidat)**

Instrucțiuni:

- Candidatul completează coloana a II-a (evaluare), unde este cazul.

- Candidatul va atasa, dacă este cazul, documente doveditoare, în xerocopie, pentru acele criterii a căror evaluare nu este posibilă pe baza conținutului dosarului.

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

Candidat Asist. Dr. Ing. Marcel Antal
Domeniul Calculatoare si Tehnologia Informatiei

Nr. C	Domeniul activ.			Subcategorii		Indicatori (kpi)	Numar	Punctaj
0	1	2	3		4	5		
1	Activitatea dida si profesionala (	Carti si capitole de carti de specialitate in edituri recunoscute	Carti, monografii, capitole ca autor	A1.1.1.	Internationale	50/nr autori	1	7.14
				A1.1.2	nationale	50/nr autori	0	0.00
		Material didactic/lucrari didactice	Manuale didactice	A1.2.1		40/nr autori	1	5.00
						Total punctaj A(1)		12.14
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	24	208.64
		manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.2		20 / nr. de autori	5	16.86
		Proprietate intelectiala, 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	0	0.00
				A2.4.1.2	nationale	10 * ani de desfasurare	1	30.00
			Membru in echipa	A2.4.2.1	Internationale	4 * ani de desfasurare	7	80.00
				A2.4.2.2	nationale	2 * ani de desfasurare	2	8.00
						Total punctaj A(2)		343.50
3	Recunoasterea i impactul activita (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI	8 / nr aut art. citat	28	58.30
				A3.1.2	BDI	4 / nr aut art. citat	7	5.14
		Membru in colectivele de redactie sau comitet ale revistelor, organizator de manifestari stiint	Punctaj unic pentru fiecare activitate	A3.2		3	12	36.00
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiint Internationale indexate BDI	Punctaj unic pentru fiecare activitate	A3.3		0	3	0.00
		Premii in domeniu nationale sau internationale		A3.4		0	0	0.00
						Total punctaj A(3)		99.44

Conditii minimale AI			
Nr.	Domeniu de activitate (A)	Necesar Abilitare	Realizat
A1	Activitatea didactica / profesionala (A1)	100	12.14
A2	Activitatea de cercetare (A2)	600	343.50
A3	Recunoasterea impactului activitatii (A3)	150	99.44
Total (A)		850	455.08

Conditii minimale obligatorii pe subcategorii		Necesar Abilitare	Realizat
A1.1.1.-A1.1.2	Carti si capitole in carti de specialitate	1	2.00
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15	24.00
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	1.00
A3.1.1-A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI	25	28.00
	Factor de impact cumulat pentru publicatii	10	25.49
	Nr Minim Reviste ISI in zona Q1/Q2	3	6.00

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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	V. R. Chifu, I. Salomie, E. Şt. Chifu, C. B. Pop, O. Valea, M. Lupu, M. Antal	Hybrid Invasive Weed Optimization Method for Generating Healthy Meals, Advances in Intelligent and Soft Computing	Springer	2015	7.142857143
					7.14

A1.2.1. Materiale didactice

1	M. Antal, C. Pop, D. Moldovan, T. Petrican, C. Stan, I. Salomie, T. Cioara, I. Anghel	Distributed Systems – Laboratory Guide, Editura UTPRESS Cluj-Napoca, 2018 ISBN 978-606-737-329-5	UTPRESS Cluj-Napoca	2018	5

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 Cioara, Ionut 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 Cioara, Ionut 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 Cioara, Ionut 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	Claudia Pop, Tudor Cioara, Marcel Antal, Ionut 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	
5	Marcel Antal, Tudor Cioara, Ionut 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
6	Pop, Teodor Petrican, Andreea Valeria Vesa, Tudor Cioara, Ionut Anghel, Ioan Salomie, Ewa Niewiadomska-	MetaCS: Modeling, simulation and optimization of complex systems–A case study on energy efficient datacenters, Simulation Modelling Practice and Theory, 2018, ISSN 1569-190X, https://doi.org/10.1016/j.simpat.2018.12.004.	2.075	5	17.45	Q2
7	Marcel Antal, Claudia Pop, Dan Valea, Tudor Cioara, 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	
8	Marcel Antal, Claudia Pop, Dan Valea, Tudor Cioara, 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	
9	T. Cioara, 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	
10	D. Moldovan, M. Antal, O. Valea, C. Pop, T. Cioara, 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	
11	C. Pop, D. Moldovan, M. Antal, O. Valea, T. Cioara, I. Anghel, I. Salomie	M2O: A library for using ontologies in software engineering, ICCP 2015, pp. 69-75, 2015.	0.25	7	4.64	
12	Dorin Moldovan, Claudia Pop, Marcel Antal, Tudor Cioara, Ionut Anghel, Ioan Salomie	Semantic Web Application Generator – A Library for Using Ontologies as Web Services, ICCP2016.	0.25	6	5.42	

13	Marcel Antal, C. Pintea, E. Pintea, Claudia Daniela Pop, Tudor Cioara, Ionut Anghel, Ioan Salomie	Thermal Aware Workload Consolidation in Cloud Data Centers, ICCP2016.	0.25	7	4.64
14	C. Pop, A. Crackun, C. Knoblau, M. Antal, D. Moldovan, T. Cioara, 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
15	T. Petrican, C. Stan, M. Antal, I. Salomie, T. Cioara and I. Anghel	Ontology-based skill matching algorithms, ICCP 2017, pp. 205-211. ISBN: 978-1-5386-3368-7	0.25	6	5.42
16	M. Antal, C. Pop, T. Cioara, 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
17	M. Antal, A. Burnete, C. Pop, T. Cioara, 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
18	Dorin Moldovan, Marcel Antal, Claudia Pop, Adrian Olosutean, Tudor Cioara, 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
19	Cristian Pintea, Eugen Pintea, Marcel Antal, Claudia Pop, Cioara Tudor, Ionut Anghel and Ioan Salomie	CoolCloudSim: Integrating Cooling System Models in CloudSim, ICC P2018	0.25	7	4.64
20	Claudia Pop, Marcel Antal, Cristian Pop, Andreea Valeria Vesa, Cioara Tudor, Ionut Anghel, Ioan Salomie and Teodor Petrican	Descentralizing the Stock Exchange using Blockchain: An Ethereum-based implementation of the Bucharest Stock Exchange, ICCP 2018	0.25	8	4.06
21	Teodor Petrican, Andreea Valeria Vesa, Marcel Antal, Claudia Pop, Tudor Cioara, Ionut Anghel and Ioan Salomie	Evaluating Forecasting Techniques for Integrating Household Energy Prosumers into Smart Grids, ICCP 2018	0.25	7	4.64
22	Roxana Jurca, Tudor Cioara, 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
23	V. R. Chifu, C. B. Pop, I. Salomie, E. St. Chifu, V. Rad, M. Antal	Hybrid Cuckoo Search-based Algorithms for Business Process Mining, Intelligent Systems, Advances in Intelligent Systems and Computing, vol. 322, pp. 487-498.	0.25	6.00	5.00
24	V.R. Chifu, I. Salomie, E.Şt. Chifu, I. Balla, C.B. Pop, M. Antal	Cuckoo Search Algorithm for Clustering Food Offers, IEEE 10th International Conference on Intelligent Computer Communication and Processing (ICCP 2014), Cluj-Napoca, Romănia, septembrie 2014, acceptată spre publicare	0.25	6	5
		Factor impact cumulat Total puncte/ A2.1.	25.489		208.64

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	Puncte
1	Marcel Antal, Tudor Cioara, 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
2	T. Cioara, 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
3	V. R. Chifu, I. Salomie, E. Şt. Chifu, C. B. Pop, P. Poruţiu, M. Antal	Jigsaw inspired meta-heuristic for selecting the optimal solution in Web service composition, Advances in Intelligent and Soft Computing	Scopus	6	3.33

4	Viorica R Chifu, Ioan Salomie, Emil St. Chifu, Adela Negrean, Horatiu Jeflea, Marcel Antal	Crab Mating Optimization Algorithm, Proceedings of the 18th International Conference on System Theory, Control and Computing, Sinaia, Romania, pp. 353-358, 2014	IEEExplore	6	3.33
5	M. Antal, L. Tamas, T. Cioara, 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
		Total punctaj A2.2.			16.86

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

Nr.	Tip: net / internet.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	National	Proiect in colaborare cu Google "Hub-ul Google Atelierul Digital pentru Programatori Cluj-Napoca", RESPONSABIL PROIECT. Proiect cu tertii > 10.000 USD	2018-2021	3	30
		Total punctaj A2.4.1			30

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

Nr.	Tip: net / internet.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	GEYSER - Green nEtworked Data Centres on 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
2	International	DIET4Elders - Dynamic Nutrition Behaviour Awareness System for the Elders (AAL16/2013), Ambient Assisted Living Joint Programme AAL-2012-5	2013-2016	3	12
3	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
4	National	ECO2CLOUD, PN-III-P2-2.1-BG-2016-36	2016-2018	2	4
5	National	OPTIPLAN - Tehnologii de Digitalizare, Analiza si Optimizare a Procesului de Productie a Contoarelor si Regulatoarelor de Gaz in Fabrica Emerson, BG37/2016, Bridge Grant PN-III-P2-2.1-BG-2016-0080,	2016-2018	2	4
6	International	MedGUIDE, H2020 AAL 44 2017, Ambient Assisted Living Joint Programme AAL-2016,	2017-2019	2.5	10
7	International	H2020 Converting DCs in Energy Flexibility Ecosystems (CATALYST)	2017-2020	3	12
8	International	H2020 eDREAM - enabling new Demand REsponse Advanced, Market oriented and Secure technologies, solutions and business models	2018-2021	3	12
9	International	ReMIND, AAL 2018, H2020 Ambient Assisted Living Joint Programme AAL-2017	2018-2021	3	12
		Total punctaj A2.4.1			88

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 Cioara, I Anghel, I Salomie, Tools for mapping ontologies to relational databases: A	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 Cioara, Ionut Anghel, Ioan Salomie, Optimizing Data Centres Operation to Provide Ancillary Services On-demand, Economics of Grids, Clouds, Systems, and Services, ISBN 978-3-319-43176-5	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	Marcel Antal, C. Pintea, E. Pintea, Claudia Daniela Pop, Tudor Cioara, Ionut	Khan M.A., Paplinski A., Khan A.M., Murshed M., Buyya R. (2018) Dynamic Virtual Machine Consolidation Algorithms for Energy-Efficient Cloud Resource Management: A Review. In: Rivera W. (eds) Sustainable Cloud and Energy Services. Springer, Cham	7	1.14
4	Tudor Cioara, Ionut Anghel, Massimo Bertoncini, Ioan Salomie, Diego	E Ord, M Codina, J Salom, Energy model optimization for thermal energy storage system integration in data centres, Journal of Energy Storage, 2016 - Elsevier	8	1.00

5		Nurminen, J.K., Niemi, T., Strandman, J. et al. Energy Efficiency (2018) 11: 97. https://doi.org/10.1007/s12053-017-9552-1	8	1.00
6		F Pop, A Iosup, R Prodan HPS-HDS: High Performance Scheduling for Heterogeneous Distributed Systems 2018 FGCS Elsevier	8	2.00
7		Vasques, T.L., Moura, P. & de Almeida, A. Energy Efficiency (2018). https://doi.org/10.1007/s12053-018-9753-2	8	1.00
8		K. Srikanth Reddy, Lokesh Kumar Panwar, B.K. Panigrahi, Rajesh Kumar, Yan Xu, A dual objective approach for aggregator managed demand side management (DSM) in cloud based cyber physical smart distribution system, Future Generation Computer Systems, 2017, ISSN 0167-739X,	8	2.00
9	T. Cioara, 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, 2015.	Pesch, D., Rea, S., Torrens Galdiz, J. I., Zavrel, V., Hensen, J. L. M., Grimes, D., ... Tsachouridis, V. (2017). ICT - Energy Concepts for Energy Efficiency and Sustainability. In Globally optimised energy-efficient data centres (pp. 187-213). s.l.: Intech open access publisher.	5	1.60
10		Giorgos Fagas, Luca Gammaitoni, John P. Gallagher, Douglas J. Paul, ICT - Energy Concepts for Energy Efficiency and Sustainability, InTech publisher, 2017, https://www.intechopen.com/books/ict-energy-concepts-for-energy-efficiency-and-sustainability/globally-optimised-energy-efficient-data-centres	5	1.60
11	Claudia Pop, Tudor Cioara, Marcel Antal, Ionut Anghel, Ioan Salomie and Massimo	B Fu, Z Shu, X Liu Blockchain Enhanced Emission Trading Framework in Fashion Apparel Manufacturing Industry Sustainability, 2018	6	2.67
12		JM Veras, IRS Silva, PR Pinheiro, RAL Rabêlo Towards the Handling Demand Response Optimization Model for Home Appliances Sustainability, 2018	6	2.67
13		G Kyriakarakos, G Papadakis Microgrids for Productive Uses of Energy in the Developing World and Blockchain: A Promising Future, Applied Sciences, 2018	6	1.33
14		Cheng, L.; Zhang, Z.; Jiang, H.; Yu, T.; Wang, W.; Xu, W.; Hua, J. Local Energy Management and Optimization: A Novel Energy Universal Service Bus System Based on Energy Internet Technologies. Energies 2018, 11, 1160.	6	2.67
15		Kim, S.-K.; Huh, J.-H. A Study on the Improvement of Smart Grid Security Performance and Blockchain Smart Grid Perspective. Energies 2018, 11, 1973.	6	2.67
16		Yao, L.; Lim, W.H.; Tiang, S.S.; Tan, T.H.; Wong, C.H.; Pang, J.Y. Demand Bidding Optimization for an Aggregator with a Genetic Algorithm. Energies 2018, 11, 2498.	6	2.67
17		Maarten Wolsink,Social acceptance revisited: gaps, questionable trends, and an auspicious perspective, Energy Research & Social Science, Volume 46, 2018,	6	2.67
18		Veras, J.M.; Silva, I.R.S.; Pinheiro, P.R.; Rabêlo, R.A.L.; Veloso, A.F.S.; Borges, F.A.S.; Rodrigues, J.J.P.C. A Multi-Objective Demand Response Optimization Model for Scheduling Loads in a Home Energy Management System. Sensors 2018, 18, 3207.	6	2.67

19		Espe, E.; Potdar, V.; Chang, E. Prosumer Communities and Relationships in Smart Grids: A Literature Review, Evolution and Future Directions. Energies 2018, 11, 2528.	6	2.67
20		Dawood F., Shafullah G.M., Anda M. (2019) Power to Gas Energy Storage System for Energy Self-sufficient Smart Cities Development. In: Kaparaju P., Howlett R., Littlewood J., Ekanyake C., Vlacic L. (eds) Sustainability in Energy and Buildings 2018. KES-SEB 2018. Smart Innovation, Systems and Technologies, vol 131. Springer, Cham	6	1.33
21		Fran Casino, Thomas K. Dasaklis, Constantinos Patsakis, A systematic literature review of blockchain-based applications: current status, classification and open issues, Telematics and Informatics, 2018	6	2.67
22		Fritzsche, K.; Niehoff, S.; Beier, G. Industry 4.0 and Climate Change—Exploring the Science-Policy Gap. Sustainability 2018, 10, 4511.	6	2.67
23		Cong Nam Truong, Michael Schimpe, Uli Bürger, Holger C. Hesse, Andreas Jossen, Multi-Use of Stationary Battery Storage Systems with Blockchain Based Markets, Energy Procedia, Volume 155, 2018, Pages 3-16, ISSN 1876-6102,	6	1.33
24		Zhao, S.; Wang, B.; Li, Y.; Li, Y. Integrated Energy Transaction Mechanisms Based on Blockchain Technology. Energies 2018, 11, 2412.	6	2.67
25		Wang, N.; Xu, W.; Xu, Z.; Shao, W. Peer-to-Peer Energy Trading among Microgrids with Multidimensional Willingness. Energies 2018, 11, 3312.	6	2.67
26		Ferreira, J.C.; Martins, A.L. Building a Community of Users for Open Market Energy. Energies 2018, 11, 2330.	6	2.67
27		Alcarria, R.; Bordel, B.; Robles, T.; Martín, D.; Manso-Callejo, M.-Á. A Blockchain-Based Authorization System for Trustworthy Resource Monitoring and Trading in Smart Communities. Sensors 2018, 18, 3561.	6	2.67
28	D. Moldovan, T. Cioara, I. Anghel and I. Salomie, Machine learning for sensor-based manufacturing processes, ICCP 2017, pp. 147-154. ISBN: 978-1-5386-3368-7	Carbery C.M., Woods R., Marshall A.H. (2018) A New Data Analytics Framework Emphasising Pre-processing in Learning AI Models for Complex Manufacturing Systems. In: Li K., Fei M., Du D., Yang Z., Yang D. (eds) Intelligent Computing and Internet of Things. ICSEE 2018, IMIOT 2018. Communications in Computer and Information Science, vol 924. Springer, Singapore	4	2.00
		Total punctaj A3.1.1.		**58.90**

A3.1.2. Citari in carti, reviste si volume ale unor manifestari stiintifice (BDI)

Nr.	Articol citat	Articol care citeaza	Numar autori art.citat	Punctaj
1	Marcel Antal, Tudor Cioara, Ionut Anghel, Claudia Pop and Ioan Salomie Transforming Data Centers in Active Thermal Energy Players in Nearby Neighborhoods, Sustainability 2018, 10, 939.	Z. Ding, Y. Cao, L. Xie, Y. Lu and P. Wang, "Integrated Stochastic Energy Management for Data Center Microgrid Considering Waste Heat Recovery," 2018 IEEE Industry Applications Society Annual Meeting (IAS), Portland, OR, USA, 2018, pp. 1-9. doi: 10.1109/IAS.2018.8544489	5	0.8
2	D Moldovan, M Antal, D Valea, C Pop, T Cioara, I Anghel, I Salomie, Tools for mapping ontologies to relational databases: A comparative evaluation, Intelligent Computer Communication and Processing (ICCP)	H Afzal, M Waqas, T Naz (IJACSA) OWLMap: Fully Automatic Mapping of Ontology into Relational Database Schema International Journal of Advanced Computer Science and Applications, Vol. 7, No. 11, 2016	7	0.57142857
3	Marcel Antal, C. Pintea, E. Pintea, Claudia Daniela Pop, Tudor Cioara, Ionut Anghel, Ioan Salomie, Thermal Aware Workload	MA Khan, AP Paplinski, AM Khan, M Murshed, R Buyya, Exploiting User Provided Information in Dynamic Consolidation of Virtual Machines to Minimize Energy Consumption of Cloud Data Centers, IEEE FMEC 2018	7	0.57

4	T. Cioara, I. Anghel, M. Antal, S. Crisan, I. Salomie Data center optimization methodology to	Marco Cupelli, Lisette Cupelli, and Antonello Monti. 2015. GEYSER: A Data Centre Energy Simulation Prototype Enabling Future Hardware in the Loop Testing. In Proceedings of the 2015 ACM Sixth International Conference on Future Energy Systems (e-Energy '15)	5	0.80
5	T. Cioara, I. Anghel, M. Antal, S. Crisan, I. Salomie Data center optimization methodology to maximize the usage of	D. Pesch et al., "The GENIC Architecture for Integrated Data Centre Energy Management," 2015 IEEE/ACM 8th International Conference on Utility and Cloud Computing (UCC), Limassol, 2015, pp. 540-546.	5	0.80
6		Alireza Majzoobi, Amin Khodaei, Application of Microgrids in Addressing Distribution Network Net-Load Ramping, 2016 IEEE PES Innovative Smart Grid Technologies Conference (ISGT), At Minneapolis, MN	5	0.80
7	M. Antal, I. Tomas, T. Cioara, 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	R Rajan, M Otte, D Sofge Novel physicomimetic bio-inspired algorithm for search and rescue applications Computational Intelligence (SSCI) 2017	5	0.80
		Total punctaj A3.1.2.		5.14

Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, ISI, BDI

	Nume manifestare	URL	Tip (ISI/BDI)	Punctaj
1	International Conference on Intelligent Computer Communication and Processing - Reviewer	www.iccp.ro	ISI	10
2	Future Generation Computer Systems-Reviewer	https://www.journals.elsevier.com/future-generation-computer-systems/	ISI	10
3	Simulation Modelling Practice and Theory - Reviewer	https://www.journals.elsevier.com/simulation-modelling-practice-and-theory	ISI	10

REZOLUTIE INDEPLINIRE STANDARDE MINIMALE

In urma analizei dosarului de concurs depus de candidatul/a ANTAL MARCEL pentru postul ŞEF LUCRĂRI ISI din Statul de functii al Departamentului de CALCULATOARE

Comisia de analiza apreciaza ca SUNT/~~NU SUNT~~ indeplinite standardele minimale pentru participarea la concurs.

Motivatie (*doar in cazul in care nu sunt indeplinite standardele minimale*)

Comisia de analiza
Prof.dr.ing. Mihaela Dinsoreanu
Prof.dr.ing. Eva Dulf
Conf.dr.mat. Daniela Inoan