AVIZ INDEPLINIRE STANDARDE MINIMALE

In urma analizei dosarului de concurs depus de candidatul ANGHEL IONUT MANUEL pentru postul **Profesor 15** din Statul de functii al Departamentului de CALCULATOARE.

Comisia de verificare apreciaza ca SUNT indeplinite standardele minimale pentru participarea la concurs.

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

Comisia de verificare

Prof.dr.ing. Mihaela Dinsoreanu

Prof.dr.ing. Eva Dulf

Conf.dr.mat. Daniela Inoan

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

Candidat Conf. Dr. Ing. Ionut Anghel
Domeniul Calculatoare si Tehnologia Informatiei

Nr. C	Domeniul activ.			Subcategorii		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	6	33.33
				A1.1.2	nationale	50/nr autori	4	70.00
		Material didactic/lucrari didactice	Manuale didactice	A1.2.1		40/nr autori	2	15.00
						Total punctaj A(1)		**118.33**
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	81	817.43
		manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.2		20 / nr. de autori	24	80.79
		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	4	220.00
				A2.4.1.2	nationale	10 * ani de desfasurare	2	35.00
			Membru in echipa	A2.4.2.1	Internationale	4 * ani de desfasurare	10	120.00
				A2.4.2.2	nationale	2 * ani de desfasurare	6	28.00
						Total punctaj A(2)		**1301.23**
3	Recunoasterea si impactul activitatii (A3)	Citari in carti, reviste si volume ale unor manifestari stiintifice		A3.1.1	carti, ISI	8 / nr aut art. citat	337	676.31
				A3.1.2	BDI	4 / nr aut art. citat	159	105.33
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, ISI	Punctaj unic pentru fiecare activitate	A3.2		10	15	150.00
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, internationale indexate BDI	Punctaj unic pentru fiecare activitate	A3.3		6	4	24.00
		Premii in domeniu nationale sau internationale		A3.4		15	1	15.00
						Total punctaj A(3)		970.64

Conditii minimale Ai			
Nr.	**Domeniu de activitate (A)**	**Necesar Profesor**	**Realizat**
A1	**Activitatea didactica / profesionala (A1)**	100	**118.33**
A2	**Activitatea de cercetare (A2)**	600	**1301.23**
A3	**Recunoasterea impactului activitatii (A3)**	150	**970.64**
Total (A)		850	**2390.20**

Conditii minimale obligatorii pe subcategorii		Necesar Profesor	Realizat
A1.1.1.-A1.1.2	**Carti si capitole in carti de specialitate**	1	**12.00**
A2.1.	**Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings**	15	**81.00**
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	**6.00**
A3.1.1-A3.1.2	**Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI**	25	**337.00**
	Factor de impact cumulat pentru publicatii	10	**101.53**
	Nr Minim Reviste ISI in zona Q1/Q2	3	**18.00**

Candidat
Conf. Dr. Ing. Ionut Anghel

Anexa: datele pentru calculul îndeplinirii criteriilor

A1.1.1.-A1.1.2. Cărți, monografii, capitole ca autor, internaționale și naționale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	C. Pop, M. Antal, T. Cioara, Ionut Anghel	Trading Energy as a Digital Asset: A Blockchain based Energy Market, Cryptocurrencies and Blockchain Technologies and Applications: Decentralization and Smart Contracts, July 2020, Eds.: Shrivastava Gulshan, Le Dac-Nhuong, Sharma Kavita. Wiley-Scrivener ISBN: 978-1-119-62116-4	Wiley	2020	6.25
2	D. Moldovan, I. Anghel, T. Cioara and I. Salomie	Apache Spark for Digitalization, Analysis and Optimization of Discrete Manufacturing Processes, Big Data Platforms and Applications, Springer International Publishing, Pop Florin, Neagu Gabriel (Eds.), 2021, ISSN 1617-7975	Springer	2021	6.25
3	Ionut Anghel, Tudor Cioara, Claudia Pop, Marcel Antal	Semantic Data Model for Energy Efficient Integration of Data Centres in Energy Grids, Data Science and Big Data Analytics in Smart Environments 1st Edition, by Marta Chinnici (Editor), Florin Pop (Editor), Catalin Negru (Editor), CRC, ISBN 9780367407131, July 2021	CRC	2021	6.25
4	Tudor Cioara, Ionut 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
5	Ionut Anghel, Tudor Cioara	Ambient Intelligence for Elders Care, ISBN: 978-606-737-297-7	UT Press Cluj-Napoca	2018	25.00
6	Anghel, Dan Valea, Ioan Salomie, Victor Sanchez Martin, Alejandro Marchena, Elisa Jimeno and	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
7	Ionut Anghel, Tudor Cioara, 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
8	Ionut Anghel, Ioan Salomie, Tudor Cioara, 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
9	Alexander Kipp, Tao Jiang, Jia Liu, Mariagrazia Fugini, Ionut Anghel, Tudor Cioara, Danie[illegible]	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
10	Tudor Cioara, Ioan Salomie, Ionut Anghel, Daniel Moldovan, Georgiana Copil	Context aware adaptive systems with applicability in green service centres, ISBN 9789736628511	UT Press Cluj-Napoca	2013	10.00
					108.33

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
2	Ioan Salomie, Tudor Cioara, Ionut Anghel, Tudor Salomie	Distributed Computing and Systems, ISBN 978-973-650-234-7,	Editura Albastra Cluj-Napoca	2008	10

A2.1. Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings

Nr.	Autori	Titlu articol	Factor impact	Nr. Aut	Punctaj
1	Anghel, I.; Cioara, T.; Moldovan, D.; Antal, M.; Pop, C.D.; Salomie, I.; Pop, C.B.; Chifu, V.R.	Smart Environments and Social Robots for Age-Friendly Integrated Care Services. Int. J. Environ. Res. Public Health 2020, 17, 3801	3.39	8	15.84
2	C. D. Pop, M. Antal, T. Cioara, I. Anghel and I. Salomie	Blockchain and Demand Response: Zero-Knowledge Proofs for Energy Transactions Privacy, Sensors, 2020, 20, 5678.	3.576	5	26.46
3	Cioara, Marcel Antal, Vlad Mihailescu, Dan Mitrea, Ionut Anghel, Ioan Salomie, Giuseppe Raveduto, Massimo Bertoncini,	Blockchain based decentralized local energy flexibility market, Energy Reports, Volume 7, 2021, Pages 5269-5288, ISSN 2352-4847 IF:6.87 Q1	6.87	13	17.78
4	M. Antal, C. Pop, T. Petrican, A. V. Vesa, T. Cioara, I. Anghel, I. Salomie, E. Niewiadomska-Szynkiewicz	MoSICS: Modeling, simulation and optimization of complex systems–A case study on energy efficient datacenters, Simulation Modelling Practice and Theory, 2019, ISSN 1569-190X	3.272	8	15.40
5	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,April 2020, ISSN 0167-739X	7.187	6	40.10
6	Pop Claudia, Antal Marcel, Cioara Tudor, Anghel Ionut, Salomie Ioan, Bertoncini Massimo	"A Fog Computing enabled Virtual Power Plant Model for Delivery of Frequency Restoration Reserve Services". Sensors 2019, 19, 4688. https://doi.org/10.3390/s19214688	3.576	6	22.05

7	Pop Claudia, Antal Marcel, Tudor Cioara, Ionut Anghel, David Sera, Ioan Salomie, ... & Bertoncini Massimo	"Blockchain-based scalable and tamper-evident solution for registering energy data. " Sensors, 19(14) (2019) : 3033, https://doi.org/10.3390/s19143033	3.576	10	13.23	
8	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, 2019, ISSN 0020-0255	6.795	8	28.61	
9	Anghel, Massimo Bertoncini, Ioan Salomie, Diego Arnone, Marzia Mammina, Terpsi	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.	7.187	8	30.08	
10	Anghel, Ioan Salomie, Lina Barakat, Simon Miles, Dianne Reidlinger, Adel Taweel, Ciprian	Expert System for Nutrition Care Process of Older Adults, FGCS 2018, Volume 80, March 2018, Pages 368-383, ISSN 0167-739X	7.187	9	26.73	
11	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	3.576	6	22.05	
12	Antal, M.; Cristea, A.-A.; Pădurean, V.-A.; Cioara, T.; Anghel, I.; Antal, C.; Salomie, I.; Saintherant, N.	Heating Homes with Servers: Workload Scheduling for Heat Reuse in Distributed Data Centers. Sensors 2021, 21, 2879. IF:3.576 Q1	3.576	8	16.54	
13	Vesa, A.V.; Cioara, T.; Anghel, I.; Antal, M.; Pop, C.; Iancu, B.; Salomie, I.; Dadarlat	Energy Flexibility Prediction for Data Center Engagement in Demand Response Programs. Sustainability 2020, 12, 1417,	3.251	8	15.32	Q2
14	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	3.251	5	24.51	Q2
15	Barakat, Simon Miles, Tudor Cioara, 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.	2.487	7	14.23	Q2
16	Moldovan, D.; Anghel, I.; Cioara, T.; Salomie	Adapted Binary Particle Swarm Optimization for Efficient Features Selection in the Case of Imbalanced Sensor Data Appl. Sci. 2020, 10, 1496.	2.679	4	26.34	Q2
17	Antal C; Anghel, I.; Bertoncini, M.; Arnone, D.; Lazzaro, M.; Mammina, M.; Velivassaki, T.-H.; Voulkidis, A.; Ricordel, Y.; Sainthérant, N.;	Data Centers Optimized Integration with Multi-Energy Grids: Test Cases and Results in Operational Environment. Sustainability 2020, 12, 9893.	3.251	14	8.75	Q2
18	T. Cioara, M. Antal, V. T. Mihailescu, C. D. Antal, I. M. Anghel and D. Mitrea	"Blockchain-Based Decentralized Virtual Power Plants of Small Prosumers," in IEEE Access, vol. 9, pp. 29490-29504, 2021 IF:3.367 Q2	3.367	6	21.00	Q2
19	D. Moldovan, I. Anghel, T. Cioara and I. Salomie	"Machine Learning in Manufacturing: Processes Classification Using Support Vector Machine and Horse Optimization Algorithm," 2020 19th RoEduNet Conference: Networking in Education and Research (RoEduNet), Bucharest, Romania, 2020, pp. 1-6, doi: 10.1109/RoEduNet51892.2020.9324855	0.25	4	8.13	
20	D. Moldovan, I. Anghel, T. Cioara and I. Salomie	"Particle Swarm Optimization Based Deep Learning Ensemble for Manufacturing Processes," 2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2020, pp. 563-570, doi: 10.1109/ICCP51029.2020.9266269.	0.25	4	8.13	
21	T. Sărăteau, M. Antal, C. Pop, T. Cioara, I. Anghel and I. Salomie	"A Physiotheraphy Coaching System based on Kinect Sensor," 2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2020, pp. 535-540, doi: 10.1109/ICCP51029.2020.9266178.	0.25	6	5.42	
22	C. Pop, M. Prata, M. Antal, T. Cioara, I. Anghel and I. Salomie	"An Ethereum-based implementation of English, Dutch and First-price sealed-bid auctions," 2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2020, pp. 491-497, doi: 10.1109/ICCP51029.2020.9266180.	0.25	6	5.42	
23	I. A. Daniel, C. Pop, I. Anghel, M. Antal and T. Cioara	"A Blockchain based solution for Managing Transplant Waiting Lists and Medical Records," 2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2020, pp. 505-510, doi: 10.1109/ICCP51029.2020.9266214	0.25	5	6.50	
24	A. V. Vesa, V. Simion, R. Rus, M. Antal, C. Pop, I. Anghel, T. Cioara and I. Salomie	"Human Activity Recognition using Smartphone Sensors and Beacon-based Indoor Localization for Ambient Assisted Living Systems," 2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2020, pp. 205-212, doi: 10.1109/ICCP51029.2020.9266158	0.25	8	4.06	

25	T. Cioara, C. Pop, R. Zanc, I. Anghel, M. Antal and I. Salomie	"Smart Grid Management Using Blockchain: Future Scenarios and Challenges," 2020 19th RoEduNet Conference: Networking in Education and Research (RoEduNet), Bucharest, Romania, 2020, pp. 1-5, doi: 10.1109/RoEduNet51892.2020.9324874.	0.25	6	5.42
26	Antal, C.; Cioara, T.; Anghel, I.; Antal, M.; Salomie, I.	Distributed Ledger Technology Review and Decentralized Applications Development Guidelines. Future Internet 2021, 13, 62. WOS Emerging Sources Citation Index	0.25	5	6.50
27	C. Antal, T. Cioara, M. Antal and I. Anghel	"Blockchain Platform For COVID-19 Vaccine Supply Management," in IEEE Open Journal of the Computer Society, vol. 2, pp. 164-178, 2021. WOS Emerging Sources Citation Index	0.25	4	8.13
28	Antal Marcel, Tudor Cioara, Ionut Anghel, Radoslaw Gorzenski,Radoslaw	"Reuse of Data Center Waste Heat in Nearby Neighborhoods: A Neural Networks-Based Prediction Model". Energies 2019, 12, 814. https://doi.org/10.3390/en12050814 {ENERGIES, Q3}	3.004	10	11.51
29	Tudor Cioara, 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	2.574	3	34.07
30	Ionut Anghel, Tudor Cioara, 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.	2.293	5	18.76
31	I. Anghel, C.B. Pop, T. Cioara, 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.	0.25	5	6.50
32	Marcel Antal, Claudia Pop, Dan Valea, Tudor Cioara, Ionut Anghel, Ioan Salomie	Optimizing Data Centres Operation to Provide Ancillary Services On-Demand. In: Altmann J., Silaghi G., Rana O. (eds) Economics of Grids, Clouds, Systems, and Services. GECON 2015. Lecture Notes in Computer Science, vol 9512. Springer, Cham. https://doi.org/10.1007/978-3-319-43177-2_9	0.4	6	6.17
33	Massimo Bertoncini, Tudor Cioara, 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
34	Tudor Cioara, 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
35	Ioan Salomie, Tudor Cioara, 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
36	Tudor Cioara, 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
37	Ionut Anghel, Tudor Cioara, 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
38	Tudor Cioara, 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
39	Ionut Anghel, Tudor Cioara, 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
40	Ioan Salomie, Ionut Anghel, Tudor Cioara, Mihaela Dinsoreanu	A Context Awareness Model Enhanced with Autonomic Features, ICCP 2008, pp. 239-246, 2008.	0.25	4	8.13
41	Ioan Salomie, Tudor Cioara, Ionut Anghel, Mihaela Dinsoreanu	RAP - A Basic Context Awareness Model, ICCP 2008, pp. 315-318, 2008.	0.25	4	8.13
42	Tudor Cioara, Ionut Anghel, Ioan Salomie, Mihaela Dinsoreanu	A Generic Context Model with Autonomic Features, ICDIM 2008, pp. 891-896, 2008.	0.25	4	8.13
43	Ioan Salomie, Tudor Cioara, 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
44	Ioan Salomie, Tudor Cioara, Ionut Anghel, Mihaela Dinsoreanu, Tudor Salomie	Machine simulation for workflow integration testing, in ICCP 2007, pp. 193-199, 2007.	0.25	5	6.50
45	Ioan Salomie, Tudor Cioara, 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

46	Ioan Salomie, Tudor Cioara, 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
47	Ionut Anghel, Tudor Cioara, Ioan Salomie, Mihaela Dinsoreanu	An Autonomic Context Management Model based on Machine Learning, SYNASC 2010, pp. 335-338, 2011.	0.25	4	8.13
48	T. Cioara, 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
49	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
50	D. Moldovan, M. Antal, D. 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
51	C. Pop, D. Moldovan, M. Antal, D. 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
52	Dorin Moldovan, Claudia Pop, Marcel Antal, Tudor Cioara, Ionut Anghel, Ioan Salomie	"SWAG: Semantic web application generator - a library for using ontologies as web services," 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2016, pp. 103-110, doi: 10.1109/ICCP.2016.7737130.	0.25	6	5.42
53	Marcel Antal, C. Pintea, E. Pintea, Claudia Daniela Pop, Tudor Cioara, Ionut Anghel, Ioan Salomie	"Thermal aware workload consolidation in cloud data centers," 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2016, pp. 377-384, doi: 10.1109/ICCP.2016.7737177	0.25	7	4.64
54	C. Pop, A. Craciun, 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," 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2017, pp. 21-28, doi: 10.1109/ICCP.2017.8116978	0.25	8	4.06
55	D. Moldovan, T. Cioara, I. Anghel and I. Salomie	"Machine learning for sensor-based manufacturing processes," 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2017, pp. 147-154, doi: 10.1109/ICCP.2017.8116997	0.25	4	8.13
56	T. Petrican, C. Stan, M. Antal, I. Salomie, T. Cioara and I. Anghel	"Ontology-based skill matching algorithms," 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2017, pp. 205-211, doi: 10.1109/ICCP.2017.8117005	0.25	6	5.42
57	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," 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2017, pp. 527-534, doi: 10.1109/ICCP.2017.8117058	0.25	6	5.42
58	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," 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2017, pp. 535-541, doi: 10.1109/ICCP.2017.8117059	0.25	6	5.42
59	D. Moldovan, P. Stefan, C. Vuscan, V. R. Chitu, I. Anghel, T. Cioara, I. Salomie	Diet Generator for Elders using Cat Swarm Optimization and Wolf Search. In: Vlad S., Roman N. (eds) International Conference on Advancements of Medicine and Health Care through Technology; 12th - 15th October 2016, Cluj-Napoca, Romania. IFMBE Proceedings, vol 59. Springer, Cham. https://doi.org/10.1007/978-3-319-52875-5_51	0.25	7	4.64
60	Tudor Cioara, 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
61	Dorin Moldovan, Marcel Antal, Claudia Pop, Adrian Olosutean, Tudor Cioara, Ionut Anghel, and Ioan Salomie	Spark-Based Classification Algorithms for Daily Living Activities. In: Silhavy R. (eds) Artificial Intelligence and Algorithms in Intelligent Systems. CSOC2018 2018. Advances in Intelligent Systems and Computing, vol 764. Springer, Cham. https://doi.org/10.1007/978-3-319-91189-2_8	0.25	7	4.64
62	Ionut Anghel, Tudor Cioara, Ioan Salomie	ICT Architecture for Supporting Elder Employees to Make Conscious Decisions Under Time Pressure. In: Li Y. et al. (eds) State-of-the-Art and Future Directions of Smart Learning. Lecture Notes in Educational Technology. Springer, Singapore. https://doi.org/10.1007/978-981-287-868-7_28	0.25	3	10.83
63	Ionut Anghel, Tudor Cioara, Terpsi Velivassaki, Massimo Bertoncini, Artemis Voulkidis, Ariel Oleksiak, Nicolas SAINTHERANT, Vasiliki Georgiadou, Maria	"Converting Data Centers in Energy Flexibility Ecosystems," 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Palermo, 2018, pp. 1-4, doi: 10.1109/EEEIC.2018.8493735.	0.25	10	3.25
64	Viorica Rozina Chifu, Cristina Bianca Pop, Tudor Cioara, Ionut Anghel, Dorin Moldovan and Ioan Salomie	Identifying the Polypharmacy Side-Effects in Daily Life Activities of Elders with Dementia. In: Del Ser J., Osaba E., Bilbao M., Sanchez-Medina J., Vecchio M., Yang XS. (eds) Intelligent Distributed Computing XII. IDC 2018. Studies in Computational Intelligence, vol 798. Springer, Cham. https://doi.org/10.1007/978-3-319-99626-4_33	0.25	6	5.42

65	Tudor Cioara, Massimo Bertoncini, Dimosthenis Ioannidis, Vincenzo Croce, Ionut Anghel, Konstantinos Votis, Claudia Pop and Luigi D'Oriano	"Enabling New Technologies 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 (EEEIC / I&CPS Europe), Palermo, Italy, 2018, pp. 1-4, doi: 10.1109/EEEIC.2018.8493665.	0.25	8	4.06
66	Cristian Pintea, Eugen Pintea, Marcel Antal, Claudia Pop, Cioara Tudor, Ionut Anghel and Ioan Salomie	"CoolCloudSim: Integrating Cooling System Models in CloudSim," 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2018, pp. 387-394, doi: 10.1109/ICCP.2018.8516648.	0.25	7	4.64
67	Dorin Moldovan, Adrian Olosutean, Viorica Chifu, Cristina Pop, Tudor Cioara, Ionut Anghel, Ioan Salomie	"Big Data Analytics for the Daily Living Activities of the People with Dementia," 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, 2018, pp. 175-181, doi: 10.1109/ICCP.2018.8516595	0.25	7	4.64
68	Claudia Pop, Marcel Antal, Cristian Pop, Andreea Valeria Vesa, Cioara Tudor, Ionut Anghel, Ioan Salomie and Teodor Petrican	"Decentralizing the Stock Exchange using Blockchain An Ethereum-based implementation of the Bucharest Stock Exchange," 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2018, pp. 459-466, doi: 10.1109/ICCP.2018.8516610.	0.25	8	4.06
69	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," 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2018, pp. 79-85, doi: 10.1109/ICCP.2018.8516617	0.25	7	4.64
70	Roxana Jurca, Tudor Cioara, Ionut Anghel, Marcel Antal, Claudia Pop, Dorin Moldovan	"Activities of Daily Living Classification using Recurrent Neural Networks," 2018 17th RoEduNet Conference: Networking in Education and Research (RoEduNet), Cluj-Napoca, 2018, pp. 1-4, doi: 10.1109/ROEDUNET.2018.8514124.	0.25	6	5.42
71	Dorin Moldovan, Viorica Chifu, Cristina Pop, Tudor Cioara, Ionut Anghel, Ioan Salomie	"Chicken Swarm Optimization and Deep Learning for Manufacturing Processes," 2018 17th RoEduNet Conference: Networking in Education and Research (RoEduNet), Cluj-Napoca, Romania, 2018, pp. 1-6, doi: 10.1109/ROEDUNET.2018.8514152.	0.25	6	5.42
72	D. Moldovan, A. Visovan, M. Bologa, C. Pop, V. R. Chifu, I. Anghel, T. Cioara and I. Salomie	Random Forest and Sequential Model for Anomalies Detection in the Activities of the People with Dementia, MediTech 2018, IFMBE Proceedings, vol 71. Springer, Singapore, 2019, https://link.springer.com/chapter/10.1007/978-981-13-6207-1_32	0.25	8	4.06
73	Dorin Moldovan, Ionut Anghel, Tudor Cioara, Ioan Salomie, Viorica Chifu, and Cristina Pop	Kangaroo Mob Heuristic for Optimizing Features Selection in Learning the Daily Living Activities of People with Alzheimer's, CSCS22, 2019	0.25	6	5.42
74	Dorin Moldovan, Ionuț Anghel, Tudor Cioara, Ioan Salomie	"Time Series Features Extraction Versus LSTM for Manufacturing Processes Performance Prediction," 2019 International Conference on Speech Technology and Human-Computer Dialogue (SpeD), Timisoara, Romania, 2019, pp. 1-10, doi: 10.1109/SPED.2019.8906653.	0.25	4	8.13
75	Razvan Zanc, Tudor Cioara, Ionut Anghel	"Forecasting Financial Markets using Deep Learning," 2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2019, pp. 459-466, doi: 10.1109/ICCP48234.2019.8959715	0.25	3	10.83
76	Andreea Valeria Vesa, Nicoleta Ghitescu, Claudia Pop, Marcel Antal, Tudor Cioara, Ionut Anghel, Ioan Salomie	"A Stacking Multi-Learning Ensemble Model for Predicting Near Real Time Energy Consumption Demand of Residential Buildings," 2019 IEEE 15th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-Napoca, Romania, 2019, pp. 183-189, doi: 10.1109/ICCP48234.2019.8959572.	0.25	7	4.64
77	I. Anghel, T. Cioara, D. Moldovan, I. Salomie and M. M. Tomus	"Prediction of Manufacturing Processes Errors: Gradient Boosted Trees Versus Deep Neural Networks," 2018 IEEE 16th International Conference on Embedded and Ubiquitous Computing (EUC), Bucharest, Romania, 2018, pp. 29-36, doi: 10.1109/EUC.2018.00012.	0.25	5	6.50
78	T. Cioara, I. Anghel, I. Salomie, M. Dinsoreanu, A. Rarau	„A Self-configuring Middleware for Developing Context Aware Applications", KEPT2009, Studia Universitatis Babes-Bolyai, Series Informatica, Special Issue: Knowledge Engineering: Principles and Techniques, vol. LIV, 2009, pp. 300-304, ISSN: 1224-869x	0.25	5	6.50
79	T. Cioara, C. Pop, R. Zanc, I. Anghel, M. Antal and I. Salomie	"Smart Grid Management Using Blockchain: Future Scenarios and Challenges," 2020 19th RoEduNet Conference: Networking in Education and Research (RoEduNet), Bucharest, Romania, 2020, pp. 1-5, doi: 10.1109/RoEduNet51892.2020.9324874.	0.25	6	5.42
80	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	0.25	7	4.64

81	Ionut Anghel, Tudor Cioara, Dorin Moldovan, Ioan Salomie and Madalina Maria Tomus	Chicken Swarm Optimization and Deep Learning for Manufacturing Processes, RoEduNet Conference 2018.	0.25	5	6.50
		Factor impact cumulat	**101.525**		**817.43**
		Total puncte 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	Puncte
1	G. Raveduto, V. Croce, M. Antal, C. Pop, I. Anghel and T. Cioara	"Dynamic Coalitions of Prosumers in Virtual Power Plants for Energy Trading and Profit Optimization," 2020 IEEE 20th Mediterranean Electrotechnical Conference (MELECON), Palermo, Italy, 2020, pp. 541-546, doi: 10.1109/MELECON48756.2020.9140601	IEEE	6	3.33
2	Marcel Antal, Tudor Cioara, Ionut Anghel, Claudia Antal, and Ioan Salomie	Flexibility Management of Data Centers to Provide Energy Services in the Smart Grid. In Proceedings of the Twelfth ACM International Conference on Future Energy Systems (e-Energy '21). Association for Computing Machinery, New York, NY, USA, 443–449	ACM	5	4.00
3	Liana Toderean, Claudia Antal, Marcel Antal, Dan Mitrea, Tudor Cioara, Ionut Anghel, Ioan Salomie	A Lockable ERC20 Token for Peer to Peer Energy Trading, ICCP2021	IEEE	6	3.33
4	Ioana Alexandra Bozdog, Todea Daniel-Nicusor, Marcel Antal, Claudia Antal, Tudor Cioara, Ionut Anghel, Ioan Salomie	Human Behavior and Anomaly Detection using Machine Learning and Wearable Sensors, ICCP2021	IEEE	7	2.86
5	Jessica Rochat, Alexandra Villaverde, Helge Klitzing, Tore Langemyr Larsen, Martin Vogel, Jacques Rime, Ionut Anghel, Tudor Cioara, Christian Lovis	Designing an eHealth Coaching Solution to Improve Transitional Care of Seniors' with Heart Failure: End-User Needs, Studies in Health Technology and Informatics (MIE2021 articles), IOS Press, Vol. 281, pp. 530 – 534, 2021, ISBN: 978-1-64368-184-9	Scopus	9	2.22
6	M. Bertoncini, D. Arnone, T. Cioara, 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
7	T. Cioara, I. Anghel, I. Salomie, M. Antal, M. Bertoncini, D. Arnone	Optimizing the power factor of data centers connected to the smart grid. In Proceedings of the 5th International Workshop on Energy Efficient Data Centres (E2DC '16). Association for Computing Machinery, New York, NY, USA, Article 3, 1–6. DOI:https://doi.org/10.1145/2940679.2940682	ACM	6	3.33
8	M. Antal, I. 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
9	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
10	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
11	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
12	T. Cioara, I. Anghel, I. 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
13	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, ISPDC 2011, pp. 163-169, 2011.	IEEE	6	3.33
14	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
15	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
16	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
17	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

18	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	/	2.86
19	T. Cioara, I. Anghel, I. Salomie, M. Dinsoreanu, G. Copil, D. Moldovan	A reinforcement learning based self-healing algorithm for managing context adaptation, in iWAS2010 - 12th International Conference on Information Integration and Web-Based Applications and Services, pp. 859-862, 2010.	ACM	6	3.33
20	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
21	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
22	T. Cioara, C. B. Pop, I. Anghel, I. Salomie, M. Dinsoreanu, I. Condor, F. Mihaly	„Immune-inspired Technique for Optimizing Server's Energy Consumption", Proceedings of the 2010 IEEE International Conference on Intelligent Computer Communication and Processing (ICCP2010), 26-28 August 2010, Cluj-Napoca, Romania, 2010, pp. 273 – 280.	IEEE	7	2.86
23	Dorin Moldovan; Ionut Anghel; Tudor Cioara; Cristina Pop; Viorica Chifu; Ioan Salomie	Binary Cat Swarm Optimization Feature Selection and Machine Learning Based Ensemble for the Classification of the Daily Living Activities of the Elders, MEDITECH 2020, October 2020, Cluj-Napoca, Romania	Springer	6	3.33
24	Barbara Pernici, Cinzia Cappiello, Maria Grazia Fugini, Pierluigi Plebani, Monica Vitali, Ioan Salomie, Tudor Cioara, Ionut Anghel, Falah Henis, Ronen	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.			**80.79**

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, „AUTONOMIC WEB SERVICE COMPOSITION", cod CNCSIS 321 , **54.000 Lei, RESPONSABIL PROIECT** http://old.uefiscdi.ro/userfiles/file/BURSE%20BD/Rez_BD_2008_NOI.pdf	2008-2011	3	30
2	National	Proiect de cercetare Siemens Neural Networks for Machine Learning in Big-Data, Proiect cu tertii, **44.000 lei - DIRECTOR PROIECT**	2016	0.5	5
3	International	MedGuide, AAL 44/2017, H2020 Ambient Assisted Living Joint Programme AAL-2016 , **199.200 Euro , DIRECTOR PROIECT**	2017-2019	2.5	50
4	International	ReMIND, AAL 2018, H2020 Ambient Assisted Living Joint Programme AAL-2017 , **220.000 Euro , DIRECTOR PROIECT**	2018-2021	3	60
5	International	H2020 AAL engAGE: Managing cognitivE decliNe througGh theatre therapy, Artificial intelligence and social robots drivEn interventions, Active and Assisted Living Programme 2021, UTCN: **378.000 Euro, DIRECTOR PROIECT**	2021-2024	2.5	50
6	International	ReMember-Me (Smart assistant to prevent and detect cognitive decline, promote cognitive function and social inclusion among older adults), H2020 Ambient Assisted Living Joint Programme AAL-2019 , **211.345 Euro, DIRECTOR PROIECT**	2020-2023	3	60
		Total punctaj A2.4.1			**255**

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	H2HCare (Social robot-based solution for elders' Care management and coaching after discharge from Hospital to Home), H2020 Ambient Assisted Living Joint Programme AAL-2019 378 750 Euro	2020-2023	3	12
2	International	H2020 BRIGHT (Boosting DR through increased community-level consumer engaGement by combining Data-driven and blockcHain technology Tools with social science approaches and multi-value service design), 504.375 Euro	2020-2023	3	12
3	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
4	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
5	International	DIET4Elders - Dynamic Nutrition Behaviour Awareness System for the Elders (AAL16/2013), Ambient Assisted Living Joint Programme AAL-2012-5	2013-2016	3	12
6	International	Elders-UPI - 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
7	International	COST Action CA15140, Improving Applicability of Nature-Inspired Optimisation by Joining Theory and Practice (ImAppNIO)	2016-2020	4	16
8	International	Proiect de cercetare Montran "Distributed systems technology and services for electronic registration, transacting and processing of assets"	2016-2019	3	12

9	International	H2020 Converting DCs in Energy Flexibility Ecosystems (CATALYST)	2017-2020	3	12
10	International	H2020 eDREAM - enabling new Demand REsponse Advanced, Market oriented and Secure technologies, solutions and business models	2018-2021	3	12
11	National	MAESTRO, proiect de tip CNCSIS PN II IDEI, cod 333/2007	2007-2010	3	6
12	National	ARHINET, proiect de tip Parteneriate, 11-051/2007 CNMP, Program 4	2007-2010	3	6
13	National	FOOD-TRACE, proiect de tip CEEX, 33/2006, domeniul 03 P-CD	2006-2008	2	4
14	National	GAMES 92EU/2010, proiect de tip Capacitati Modulul III	2010-2012	2	4
15	National	OPTIPLAN, PN-III-P2-2.1-BG-2016-37	2016-2018	2	4
16	National	ECO2CLOUD, PN-III-P2-2.1-BG-2016-36	2016-2018	2	4
		Total punctaj A2.4.1			**148**

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	Anghel, I.; Cioara, T.; Moldovan, D.; Antal, M.; Pop, C.D.; Salomie, I.; Pop, C.B.; Chitu, V.R. Smart Environments and Social Robots for Age-Friendly Integrated Care Services. Int. J. Environ. Res. Public Health 2020, 17, 3801	The AMIRO Social Robotics Framework: Deployment and Evaluation on the Pepper Robot, By: Ghita, Alexandra Stefania; Gavril, Alexandru Florin; Nan, Mihai; et al. SENSORS Volume: 20 Issue: 24 Article Number: 7271 Published: DEC 2020	8	2.00
2	Tudor Cioara, Ionut Anghel, Dan Valea, Ioan Salomie, Victor Sanchez Martin, Alejandro Marchena, Elisa Jimeno and Martijn Vastenburg, Adaptive Workspace Interface for Facilitating the Knowledge Transfer	Designing web search UI for the elderly community: a systematic literature review, By: Alfah, Khalid Krayz; Ismail, Nor Azman; Almgerbi, Mohamad, JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING 2021	8	2.00
3	T. Petrican, C. Stan, M. Antal, I. Salomie, T. Cioara and I. Anghel, "Ontology-based skill matching algorithms," 2017 13th IEEE International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj-	Smart Talents Recruiter - Resume Ranking and Recommendation System, By: Mohamed, Ashif; Bagawathinathan, Wickram; Iqbal, Usama; et al., Conference: 9th IEEE International Conference on Information and Automation for Sustainability (ICIAFS) Location: Univ Jaffna, Colombo, SRI LANKA Date: DEC 21-22, 2018	6	1.33
4	Ionut Anghel, Tudor Cioara, Ioan Salomie, Mihaela Dinsoreanu, Georgiana Copil, Daniel Moldovan - An Autonomic Context Management Model based on Machine Learning - Proceedings of the 12th IEEE	Contextual Awareness in Human-Advanced-Vehicle Systems: A Survey, By: Fernandez-Rojas, Raul; Perry, Anthony; Singh, Hemant; et al., IEEE ACCESS Volume: 7 Pages: 33304-33328 Published: 2019	6	2.67
5	Vesa, A.V.; Cioara, T.; Anghel, I.; Antal, M.; Pop, C.; Iancu, B.; Salomie, I.; Dadarlat, V.T. Energy Flexibility Prediction for Data Center Engagement in Demand Response Programs. Sustainability 2020, 12, 1417	Strategies for Datacenters Participating in Demand Response by Two-Stage Decisions By: Li, Yuling; Wang, Xiaoying; Luo, Peicong MATHEMATICAL PROBLEMS IN ENGINEERING Volume: 2020 Article Number: 5206082 Published: JUL 22 2020	8	1.00
6	Moldovan, D.; Anghel, I.; Cioara, T.; Salomie, I. Adapted Binary Particle Swarm Optimization for Efficient Features Selection in the Case of Imbalanced Sensor Data. Appl. Sci. 2020, 10, 1496	Improved Binary Symbiotic Organism Search Algorithm With Transfer Functions for Feature Selection By: Du, Zhi-Gang; Pan, Jeng-Shyang; Chu, Shu-Chuan; et al. IEEE ACCESS Volume: 8 Pages: 225730-225744 Published:	4	4.00

7	Marcel Antal, Claudia Pop, Teodor Petrican, Andreea Valeria Vesa, Tudor Cioara, Ionut Anghel, Ioan Salomie, Ewa Niewiadomska-Szynkiewicz, MoSiCS: Modeling, simulation and optimization of complex systems–A case study on energy	Train schedule optimization in a high-speed railway system using a hybrid simulation and meta-model approach By: Hassannayebi, Erfan; Boroun, Morteza; Jordehi, Shafagh Alaei; et al. COMPUTERS & INDUSTRIAL ENGINEERING Volume: 138 Article Number: 106110 Published: DEC 2019	8	2.00
8	Marcel Antal, Tudor Cioara,Ionut Anghel, Radoslaw Gorzenski, Radoslaw Januszewski, Ariel Oleksiak, Wojciech Piatek, Claudia Pop, Ioan Salomie and Wojciech Szeliga, Reuse of Data Center Waste Heat in Nearby	Optimisation and process design tools for cleaner production By: Fan, Yee Van; Chin, Hon Huin; Klemes, Jiri Jaromir; et al. JOURNAL OF CLEANER PRODUCTION Volume: 247 Article Number 119181 Published: FEB 20 2020	10	1.60
9	Razvan Zanc, Tudor Cioara, Ionut Anghel, Forecasting Financial Markets using Deep Learning, ICCP 2019, Cluj-Napoca, Romania	An Updated Survey of Efficient Hardware Architectures for Accelerating Deep Convolutional Neural Networks By: Capra, Maurizio; Bussolino, Beatrice; Marchisio, Alberto; et al. FUTURE INTERNET Volume: 12 Issue: 7 Article Number: 113 Published: JUL 2020	3	2.67
10		Hardware and Software Optimizations for Accelerating Deep Neural Networks: Survey of Current Trends, Challenges, and the Road Ahead By: Capra, Maurizio; Bussolino, Beatrice; Marchisio, Alberto; et al. IEEE ACCESS Volume: 8 Pages: 225134-225180 Published: 2020	3	5.33
11	Cristian Pintea, Eugen Pintea, Marcel Antal, Claudia Pop, Cioara Tudor, Ionut Anghel and Ioan Salomie, CoolCloudSim: Integrating Cooling System Models in CloudSim, ICC P2018.	Sim2Win: How simulation can help data centers to benefit from controlling their power profile By: Klingert, Sonja; Wilken, Nils; Becker, Christian ENERGY EFFICIENCY Volume: 13 Issue: 5 Pages: 1007-1029 Published: JUN 2020	7	1.14
12		MT-EA4Cloud: A Methodology For testing and optimising energy-aware cloud systems By: Canizares, Pablo C.; Nunez, Alberto; de Lara, Juan; et al. JOURNAL OF SYSTEMS AND SOFTWARE Volume: 163 Article Number: 110522 Published: MAY 2020	7	2.29
13	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	A synthetic energy dataset for non-intrusive load monitoring in households By: Klemenjak, Christoph; Kovatsch, Christoph; Herold, Manuel; et al. SCIENTIFIC DATA Volume: 7 Issue: 1 Article Number: 108 Published: APR 2 2020	7	2.29
14		Analyzing the Feasibility of Different Machine Learning Techniques for Energy Imbalance Classification in Smart Grid By: Muzumdar, Ajit; Modi, Chirag N.; Madhu, G. M.; et al. Conference: 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT) Location: IIT Kanpur, Kanpur, INDIA Date: JUL 06-08, 2019	7	1.14
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Total punctaj A3.1.1. **676.31**

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
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		Total punctaj A3.1.2.		**105.33**

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	Nume manifestare	URL	Tip (ISI/BDI)	Punctaj
1	ICCP 2011. - Organizator Special Session	http://coned.utcluj.ro/preenICCP2011/	BDI	6
2	Mediterranean Conference on Information Systems 2014 - PC Member	http://www.mcis2014.it/track3.html	BDI	6
3	CSE 2018 PC Member	http://cse2018.hpc.pub.ro/	BDI	6
4	Computers & Electrical Engineering - Reviewer	http://www.journals.elsevier.com/computers-and-electrical-engineering	ISI	10
5	ICCP - Reviewer and PC Member	www.iccp.ro	ISI	10
6	EnBIS (CAISE 2016) - PC Member	https://www.enbis-2016.deib.polimi.it/	ISI	10
7	Energy Efficiency, Springer - Reviewer	http://link.springer.com/journal/12053	ISI	10
8	Journal of Energy Storage - Elsevier - Reviewer	http://www.journals.elsevier.com/journal-of-energy-storage/	ISI	10
9	Future Generation Computer Systems - Reviewer	https://www.journals.elsevier.com/future-generation-computer-systems/	ISI	10
10	Applied Energy - Reviewer	https://www.journals.elsevier.com/applied-energy/	ISI	10
11	Energies - Reviewer	http://www.mdpi.com/journal/energies	ISI	10

12	Sustainability - Reviewer	http://www.mdpi.com/journal/sustainability/	ISI	10
13	Sensors - Editor	https://www.mdpi.com/journal/sensors/special_issues/fie_sensors	ISI	10
14	ISPDC 2021 - PC Member	https://ispdc2021.utcluj.ro/	ISI	5
15	Sustainability - Editor	https://www.mdpi.com/journal/sustainability/special_issues/Decentralized_Management_Flexible_Energy_Resources	ISI	10
16	Sensors-Editor	https://www.mdpi.com/journal/sensors/special_issues/BASEG	ISI	10
17	Applied Sciences-Editor	SI2022: Bio-Inspired Computing and Its Applications	ISI	10
18	CSCS23-Reviewer	http://cscs23.hpc.pub.ro/past-conferences/	BDI	5
19	Sustainability - Editor	https://www.mdpi.com/journal/sustainability/special_issues/Decentralized_Management_Flexible_Energy_Resources	ISI	10

Premii in domeniu nationale sau internationale

	Nume	URL	An	Punctaj
1	Premiul Academiei Romane „Constantin Budeanu" pe anul 2018 pentru cercetari in domeniul "Intelligent solutions for energy ecosystems"	https://acad.ro/premiileAR/liste/2018.pdf	2020	15