

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

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Domeniul

Calculatoare si Tehnologia Informatiei

Nr. Crt	Domeniul activ.			Subcategori		Indicatori (kpi)	Numar	Punctaj
0	1	2	3		4	5		
1	Activitatea didactica si profesionala (A1)	Carti si capitele de carti de specialitate in edituri recunoscute Material didactic/lucrari didactice	Carti, monografii, capitele ca autor Manuale didactice	A1.1.1. A1.1.2. A1.2.1	Internationale nationale	50/nr autori 50/nr autori 40/nr autori	2 1 3	21.6666667 50 41.3333333
Total punctaj A(1)								113
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	36	485.4343434
		Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)		A2.2		20 / nr. de autori	16	113.3333333
		Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	Internationale	35 / nr. de autori	0	0
				A2.3.2	nationale	25 / nr. de autori	0	0
		Granturi/proiecte castigate prin competitie	Director / responsabil	A2.4.1.1	Internationale	20 * ani de desfasurare	0	0
			Membru in echipa	A2.4.1.2	nationale	10 * ani de desfasurare	3	60
		A2.4.2.1	Internationale	4 * ani de desfasurare	2	20		
		A2.4.2.2	nationale	2 * ani de desfasurare	9	45		
Total punctaj A(2)								724.7676768
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	87	222.3333333
				A3.1.2	BDI	4 / nr aut art. citat	28	32.5
		Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, ISI	Punctaj unic pentru fiecare activitate	A3.2		10	4	40
		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
	Premii in domeniu nationale sau internationale			A3.4		15	1	15
Total punctaj A(3)								333.8333333

Conditii minimale Ai		Necesar	Realizat
Nr.	Domeniu de activitate (A)		
A1	Activitatea didactica / profesionala (A1)	100	113.00
A2	Activitatea de cercetare (A2)	600	724.77
A3	Recunoasterea impactului activitatii (A3)	150	333.83
Total (A)		400	1171.60
Conditii minimale obligatorii pe subcategorii		Necesar	Realizat
A1.1.1.-A1.1.2	Carti si capitele in carti de specialitate	1	4.00
A2.1.	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15 din care minimum 3 în reviste cotate ISI Q1 sau Q2[10]	36.00
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	3.00
A3.1.1-A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI	25	87.00
	Factor de impact cumulat pentru publicatii	10	35.70
	Nr Minim Reviste ISI in zona Q1/Q2	3	5.00

OBS

Capitolele de carte valoreaza 0.25 din punctajul unei carti, punctajul se dubleaza daca cartea se regasese 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, capitele ca autor, internationale si nationale

Nr.	Autori	Titlu capitol / carte	Editura	Anul	Punctaj
1	A. Hangan	Contributions to the development of parallel and distributed real-time systems ISBN 978-606-737-444-5 https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/444-5.pdf	UTPRESS	2020	50
2	Z. Czako, Gh. Sebestyen, A. Hangan	Trends and Innovations in Information Systems and Technologies. Volume 2. Chapter: "Colorectal Image Classification with Transfer Learning and Auto-Adaptive Artificial Intelligence Platform" 2020 p.534-543, ISBN 978-3-030-45691-7	Springer, Cham	2020	8.333333333 https://search.worldcat.org/title/1155327362
3	Z. Czako, Gh. Sebestyen, A. Hangan	Computational Intelligence book series, Chapter: Artificial Intelligence Algorithms Selection and Tuning for Anomaly Detection ISBN: 978-3-030-64730-8	Springer	2021	8.333333333 https://search.worldcat.org/title/1243261809
4	Anca Hangan, Lucia Văcariu, Octavian Cret, Horia Hedeşiu, Ciprian Bacoţiu	Big Data Platforms and Applications. Chapter "A System for Monitoring Water Quality Parameters in Rivers. Challenges and Solutions" p. 181-206 Springer, 2021, ISBN 978-3-030-38836-2	Springer	2021	5 https://search.worldcat.org/title/1272856355

A1.2.1. Materiale didactice

1	Anca Hangan, Anca Rarau, Catalin Sipos	"Parallel and Distributed Computing", ISBN: 978-973-662-484-1	UTPRESS	2009	13.33333333
2	C. Oprisa, A. Hangan, M. Neagu, E. Cebuc, G. Sebestyen	PROGRAMARE ÎN LIMBAJ DE ASAMBLARE, ISBN 978-606-737-333-2	UTPRESS	2018	8
3	G. Sebestyen, A. Hangan	Informatică Industrială Lucrări practice, exerciții și probleme, ISBN 978-606-737-414-8	UTPRESS	2019	20

41.33333333

A2.1. Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings

Nr.	Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. Autori	Punctaj	
1	Arcas, Gabriel Ioan; Cioara, Tudor; Anghel, Ionut; Lazea, Dragos; Hangan, Anca;	Edge Offloading in Smart Grid, MDPI, 2024		7	5	47 [Q1]
2	Stefan Lucian Popa, Teodora Surdea-Blaga, Dan Lucian Dumitrascu, Giuseppe Chiarioni, Edoardo Savarino, Liliana David, Abdulrahman Ismaiel, Daniel Corneliu Leucuta, Imre Zsigmond, Gheorghe Sebestyen, Anca Hangan, Zoltan Czako	Automatic Diagnosis of High-Resolution Esophageal Manometry using Artificial Intelligence, Journal of Gastrointestinal & Liver Diseases 31 (4), 2022,ISSN: 1841-8724	2.1	12	7.333333333	
3	Teodora Surdea-Blaga, Gheorghe Sebestyen, Zoltan Czako, Anca Hangan, Dan Lucian Dumitrascu, Abdulrahman Ismaiel, Liliana David, Imre Zsigmond, Giuseppe Chiarioni, Edoardo Savarino, Daniel Corneliu Leucuta, Stefan Lucian Popa	Automated Chicago Classification for Esophageal Motility Disorder Diagnosis Using Machine Learning, MDPI Sensors, 2022 ISSN 1424-8220	3.4	11	11.54545455	[Q2]
4	Anca Hangan, Costin-Gabriel Chiru, Diana Arsene, Zoltan Czako, Dragos Florin Lisman, Mariana Mocanu, Bogdan Pahontu, Alexandru Predescu, Gheorghe Sebestyen	Advanced Techniques for Monitoring and Management of Urban Water Infrastructures—An Overview, MDPI Water, 2022 eISSN 2073-4441	3	9	12.77777778	[Q2]
5	Czako, Zoltan; Hangan, Anca; Lisman, Dragos; Sebestyen, Gheorghe; Deszi, Marcus-Mihai;	A Prototype System for Urban Water Consumption Monitoring and Anomaly Detection, 2022 IEEE 18TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, ICCP	0.25	5	6.5	
6	Serban C, Hangan A	A System for Evaluating the Correctness of Physical Exercises Execution, PROCEEDINGS OF 2022 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2022) , pp.239-244	0.25	2	16.25	
7	Zoltan Czako, Teodora Surdea-Blaga, Gheorghe Sebestyen, Anca Hangan, Dan Lucian Dumitrascu, Liliana David, Giuseppe Chiarioni, Edoardo Savarino, Stefan Lucian Popa	Integrated Relaxation Pressure Classification and Probe Positioning Failure Detection in High-Resolution Esophageal Manometry Using Machine Learning, MDPI Sensors, 2022, ISSN 1424-8220	3.4	9	14.11111111	[Q2]
8	Tosa A, Hangan A, Sebestyen G, Isvan Z	In-Storage Computation of Histograms with Differential Privacy, 2021 INTERNATIONAL CONFERENCE ON FIELD-PROGRAMMABLE TECHNOLOGY (ICFPT) , pp.246-249	0.25	4	8.125	
9	Z. Czako, Gh. Sebestyen, A. Hangan	AutomaticAI – A hybrid approach for automatic artificial intelligence algorithm selection and hyperparameter tuning, Expert Systems with Applications Volume 182, 15 November 2021, 115225, ISSN 0957-4174	7.5	3	83.33333333	[Q1]
10	Czako, Z; Sebestyen, G and Hangan, A	COVID-19 Preliminary Patient Filtering based on Regular Blood Tests using Auto-Adaptive Artificial Intelligence Platform, ICCP 2020	0.25	3	10.83333333	
11	Marius Joldos, Gabriel Voitcu, Alin Suciuc, Anca Hangan, Marius Echim, Anca Marginean	A Multi-threaded Particle-in-cell Approach for Kinetic Plasma Simulations, ICCP 2020	0.25	6	5.416666667	

12	Gheorghe Sebestyen, Anca Hangan, Anca Misin	Travel assistant for persons with visual disabilities, International Conference on Automation, Quality and Testing, Robotics (AQTR), May 2020	0.25	3	10.83333333
13	Kovács, G., Sebestyen, G., & Hangan, A.	Evaluation metrics for anomaly detection algorithms in time-series, Acta Universitatis Sapientiae, Informatica, 11(2), 113-130.(2019) doi: https://doi.org/10.2478/ausi-2019-0008	0.3	3	11.33333333
14	Deak N, Creț O, Echim M, Teodorescu E, Negrea C, Văcăriu L, Munteanu C, Hangan A.	Edge computing for space applications: Field programmable gate array-based implementation of multiscale probability distribution functions. Review of Scientific Instruments. 2018 Dec 12;89(12):125005, ISSN: 0034-6748.	1.3	8	8
15	Gh. Sebestyen, A. Hangan,	"Anomaly detection techniques in cyber-physical systems", Acta Universitatis Sapientiae, Informatica, Vol. 9, No. 2, pp. 101-118, 2017, ISSN 1844-6086	0.3	2	17
16	G. Sebestyen, A. Hangan, Z. Czako and G. Kovacs,	"A taxonomy and platform for anomaly detection," 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), Cluj-Napoca, Romania, 2018, pp. 1-6.	0.25	4	8.125
17	Lucia Văcăriu, Anca Hangan, Octavian Creț, Andrei Crețu, A	A Decision Support System on the Cyberwater Platform. Proceedings of the 21st International Conference on Control Systems and Computer Science, CSCS21, 3rd International Workshop on Cyberinfrastructures for Natural Resources Management, CYRM-2017, May 29-31, 2017, Bucharest, Romania, pp. 591-598, ISBN-13: 978-1-5386-1839-4, ISSN: 2379-0482.	0.25	4	8.125
18	G. Sebestyen, I. Stoica, A. Hangan	Human Activity Recognition and Monitoring for Elderly People, in 2016 IEEE 12TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP), pp. 341-347, 2016.	0.25	3	10.83333333
19	C. Negru, F. Pop, M. Mocanu, V. Cristea, A. Hangan, L. Vacariu	Cost-aware Cloud Storage Service Allocation for Distributed Data Gathering, in PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR), pp. 31-35, 2016.	0.25	6	5.416666667
20	G. Sebestyen, A. Hangan	Bloom Filters for Information Retrieval in the Context of IoT, in PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR), pp. 347-352, 2016.	0.25	2	16.25
21	L. Vacariu, A. Hangan, M. Mocanu	POLLUTION DETECTION ON THE CYBERWATER PLATFORM, in ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol. 14, no. 9, pp. 2043-2050, 2015.	0.9	3	17.33333333
22	G. Sebestyen, D. Muresan, A. Hangan	Road Quality Evaluation with Mobile Devices, in 2015 16TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC), pp. 458-464, 2015.	0.25	3	10.83333333
23	L. Vacariu, O. Creț, A. Hangan, C. Bacotiu	Water Parameters Monitoring on a Cyberwater Platform, in 2015 20TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE, pp. 797-802, 2015.	0.25	4	8.125
24	L. Vacariu, A. Hangan, O. Creț, H. Hedesiu	An INSPIRE-Compliant System for Pollution Detection for Some River, in 2015 20TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE, pp. 803-808, 2015.	0.25	4	8.125
25	G. Sebestyen, A. Hangan, S. Oniga, Z. Gal	eHealth Solutions in the Context of Internet of Things, in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	0.25	4	8.125
26	A. Hangan, L. Vacariu, O. Creț, H. Hedesiu	A Prototype for the Remote Monitoring of Water Parameters, in 19TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS 2013), pp. 634-639, 2013.	0.25	4	8.125
27	G. Sebestyen, A. Hangan, K. Sebestyen, R. Vachter	Self-tuning multimedia streaming system on cloud infrastructure, in 2013 INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE, vol. 18, pp. 1342-1351, 2013.	0.25	4	8.125
28	G. Sebestyen, A. Hangan, A. Suci	Simulation-based Schedulability Tests for Multiprocessor Real-time Systems, in 2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 18TH EDITION, pp. 216-221, 2012.	0.25	3	10.83333333
29	V. Oлару, A. Hangan, G. Sebestyen-Pal	RTSJmcbench, a Framework for Writing Parallel Benchmarks for Real-Time Java on Multi-Core Architectures, IEEE INTERNATIONAL CONFERENCE ON AUTOMATION QUALITY AND TESTING ROBOTICS, 2010	0.25	3	10.83333333
30	G. Sebestyen, A. Hangan, V. Oлару	REAL-TIME ISSUES ON MULTICORE ARCHITECTURES, in PROCEEDINGS OF 11TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE, 2010, pp. 223-226, 2010.	0.25	3	10.83333333
31	R. Marfievici, A. Hangan, G. Sebestyen	Periodic Real-Time Data Flows over General Purpose Networks, in 2008 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 207-213, 2008.	0.25	3	10.83333333
32	V. Oлару, A. Hangan, G. Sebestyen-Pal, G. Saplacan	Real-Time Java and Multi-Core Architectures, in 2008 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 215-+, 2008.	0.25	4	8.125
33	G. Sebestyen, A. Hangan	Transaction-based model for real-time distributed control systems, in 2008 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2008), THETA 16TH EDITION, VOL II, PROCEEDINGS, pp. 165-170, 2008.	0.25	2	16.25
34	Hangan A, Marfievici R, Sebestyen G	Solutions for Real-Time Communication over Best-Effort Networks, ROEDUNET 2008 CONFERENCE PROCEEDINGS , pp.44-49	0.25	3	10.83333333
35	G. Sebestyen, D. Banciu, T. Balint, A. Hangan	Digital content management on GRID structures, in ICCP 2007: IEEE 3RD INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 259-+, 2007.	0.25	4	8.125
36	R. Marfievici, G. Sebestyen, A. Pop-Bidian	QoS and IPv6 infrastructure for industrial control applications, in 5th RoEduNet IEEE International Conference, Proceedings, pp. 166-169, 2006.	0.25	3	10.83333333

Total punctaj A2.1.

485.434344

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	Czako, Zoltan; Sebestyen, Gheorghe; Hangan, Anca;	Benchmarking Anomaly Detection Algorithms using Hyperparameter Optimization, 2023 IEEE 19th International Conference on Intelligent Computer Communication and Processing (ICCP)	IEEE	3	6.666666667
2	Gheorghe Sebestyen, Anca Hangan, Zoltan Czako	Anomaly detection in water supply infrastructure systems, 2021 23rd International Conference on Control Systems and Computer Science (CSCS)	IEEE	3	6.666666667
3	Hangan, Czako, Sebestyen	IoT data collection and analysis services on CloudUT, 2021 IEEE 17th International Conference on Intelligent Computer Communication and Processing (ICCP)	IEEE	3	6.666666667
4	Claudiu Mihali, Anca Hangan, Gheorghe Sebestyen, Zsolt Istvan	The case for adding privacy-related offloading to smart storage, SYSTOR '21: Proceedings of the 14th ACM International Conference on Systems and Storage p 1-11, https://doi.org/10.1145/3456727.3463769	ACM	4	5
5	A Suci, A Hangan, A Marginean, M Joldos, G Voitcu, M Echim	Parallel implementation of a PIC simulation algorithm using OpenMP, 2020 15th Conference on Computer Science and Information Systems (FedCSIS)	IEEE	6	3.333333333
6	Sebestyen G. and Hangan A.	Anomaly Detection using System Identification Techniques.In Proceedings of the 15th International Conference on Informatics in Control, Automation and Robotics - Volume 1: ICINCO, ISBN 978-989-758-321-6, pages 482-487, 2018	DBLP	2	10
7	Czako Z., Sebestyen G. and Hangan A.	Evaluation Platform for Artificial Intelligence Algorithms.In Proceedings of the 10th International Joint Conference on Computational Intelligence - Volume 1: IJCCI, ISBN 978-989-758-327-8, pages 39-46, 2018	Scopus	3	6.666666667
8	Hangan, A., Vacariu, L., Cret, O., Muste, M.	Providing water parameters monitoring data through interoperable web services, in ICINCO 2014 - Proceedings of the 11th International Conference on Informatics in Control, Automation and Robotics, vol. 1, pp. 684-690, 2014.	Scopus	4	5
9	Hangan, A., Sebestyen, G., Vacariu, L.	Multiprocessor real-time scheduling using an optimization-based technique, in ECTA 2014 - Proceedings of the International Conference on Evolutionary Computation Theory and Applications, pp. 236-243, 2014.	Scopus	3	6.666666667
10	Sebestyen, G., Hangan, A.	Genetic approach for real-time scheduling on multiprocessor systems, in Proceedings - 2012 IEEE 8th International Conference on Intelligent Computer Communication and Processing, ICCP 2012, pp. 267-272, 2012.	Scopus	2	10
11	Olaru, V., Hangan, A., Sebestyen-Pal, G.	Java support packages and benchmarks for multi-core processors, in Proc.- 2011 IEEE International Conference on HPCC 2011 - 2011 IEEE International Workshop on FTDCS 2011 -Workshops of the 2011 Int. Conf. on UIC 2011- Workshops of the 2011 Int. Conf. ATC 2011, pp. 528-535, 2011.	Scopus	3	6.666666667
12	Hangan, A., Sebestyen, G.	Cyclic executive-based method for scheduling hard real-time transactions on distributed systems, in Proceedings - 2011 IEEE 7th International Conference on Intelligent Computer Communication and Processing, ICCP 2011, pp. 441-444, 2011.	Scopus	2	10
13	Hangan, A., Sebestyen, G.	Simulation-based evaluation of real-time multiprocessor scheduling strategies, in Proceedings - 2010 IEEE 6th International Conference on Intelligent Computer Communication and Processing, ICCP10, pp. 375-378, 2010.	Scopus	2	10
14	Olaru, V., Hangan, A., Sebestyen, Gh.	RTSJMcbench, a framework for writing parallel benchmarks for real-time Java on multi-core architectures, in 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings, vol. 2, pp. 160-165, 2010.	Scopus	3	6.666666667
15	Hangan, A., Marfievici, R., Sebestyen, G.	Reservation-based data flow scheduling in distributed control applications, in 3rd International Conference on Networking and Services, ICNS 2007, 2007.	Scopus	3	6.666666667
16	Ramona Marfievici, Gheorghe Sebestyen, Anca Pop-Bidian	Industrial control communication framework on an ipv6 infrastructure, in Computing in the Global Information Technology, 2006. ICCGI'06. International Multi-Conference on, pp. 7-7-2006.	IEEE, ACM	3	6.666666667

Total punctaj A2.2.

113.3333333

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
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1	National	BD2008, „Contributii la dezvoltarea sistemelor paralele si distribuite de timp-real”, cod CNCIS 334 , 54.000 Lei (= 18 000 USD) http://old.uefiscdi.ro/userfiles/file/BURSE%20BD/Rez_BD_2008_N	2008-2011	3	30
2	UTCN	Proiect Intern UTCN CI2017-AC-4 "Detectia anomalilor in retele de senzori de dimensiuni mari", 20.000 Lei	2017-2018	1	0
3	National, cu terti	Servicii de transfer de cunostinte in domenii inovative: retele de senzori si identificare automata RFID 11A/29.03.2018, 42026 lei (= 11 000 USD)	2018-2019	1	10
4	National	Smart urban water system based on community participation through gamification - Watergame 452PED/2020 Buget UTCN: 211875 RON	2020-2022	2	20

Total punctaj A2.4.1

60

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

Nr.	Tip: nat / internat.	Denumire proiect	Perioada	Nr. Ani	Punctaj
1	International	JEOPARD - Java Environment for PARallel Realtime Development, FP7	2008-2010	2	8
2	International	EGEE II si III – Enabling GRID for eScience, FP7	2007-2010	3	12
3	National	FOOD-TRACE: Sistem informatic integrat pentru asigurarea trasabilității și controlul calității în industria alimentară	2006-2008	2	4
4	National	SINRED Sistem național de management al resurselor digitale in știință și tehnologie bazat pe structuri Grid	2005-2008	3	6
5	National	SIPADOC - Sistem integrat pentru digitizarea și valorificarea patrimoniului cultural de documente	2008-2010	2	4
6	National	CARDIONET - Sistem integrat pentru supraveghere continua in inteligenta e-Health a pacientilor cu afectiuni cardiologice	2008-2010	2	4
7	National	ASISTSYS - Sistem integrat de asistare pentru pacientii cu afectiuni neuromotorii severe	2008-2010	2	4
8	National	Cyberwater, CNDI-UEFISCDI, proiect number 47/2012	2012-2016	4	8
9	National	Onboard nonlinear Analysis of data: a New technology based on Field Programmable Gate Arrays STAR 182/ 2017 (OANA)	2017-2019	3	6
10	National	Extensive use of experience in space and security activities VESS - PCCDI18/2018 (VESS)	2018-2020	3	6
11	National	Cloud Cercetare UTCN - CLOUDUT	2020-2022	2	4
12	International	Gestionarea declinului cognitiv folosind terpie prin teatru, inteligentă artificială și intervenții bazate pe roboți sociali (engAGE) AAL264/2021	2021-2024	1	4
13	International	THCS 80/2024 New care pathways for supporting TRANSitional CARE from hospitals to home using AI and personalised digital assistance TransCare 01/05/2024 30/04/2027	2024-2027	1	4

Total punctaj A2.4.1

74

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	L. Vacariu, A. Hangan, M. Mocanu", POLLUTION DETECTION ON THE CYBERWATER PLATFORM, in ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol. 14, no. 9, pp. 2043-2050, 2015	Ionita, Anca Daniela, et al. "Integration of hazard management services." International Conference on Exploring Services Science. Springer, Cham, 2016.	3	2.666666667
2	G. Sebestyen, A. Hangan, K. Sebestyen, R. Vachter, Self-tuning multimedia streaming system on cloud infrastructure, in 2013 INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE, vol. 18, pp. 1342-1351, 2013.	Yeh, Her-Tyan, Juung-Shian Chiou, and Ting-Jun Zhou. "A karaoke system with real-time media merging and sharing functions for a cloud-computing-integrated mobile device." Mathematical Problems in Engineering 2013 (2013).	4	2
	G. Sebestyen, A. Hangan, K. Sebestyen, R. Vachter, Self-tuning multimedia streaming system on cloud infrastructure, in 2013 INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE, vol. 18, pp. 1342-1351, 2013.	Architectonic Proposal for the Video Streaming Service Deployment Within the Educational Context By: Luis Agudelo, Pedro; Yesid Campo, Wilmar; Ruiz, Alexandra; et al. Conference: 12th Colombian Conference on Computing (CCC) Location: Cali, COLOMBIA Date: SEP 19-22, 2017 Sponsor(s): Colombian Comp Soc; Univ Autonoma Occidente; Univ San Buenaventura ADVANCES IN COMPUTING, CCC 2017 Book Series: Communications in Computer and Information Science Volume: 735 Pages: 313-326 Published: 2017	4	2

3	A. Hangan, L. Vacariu, O. Cret, H. Hedesiu, A Prototype for the Remote Monitoring of Water Parameters, in 19TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS 2013), pp. 634-639, 2013.	Salah, Hussein Ali, Mariana Mocanu, and Adina Florea. "Towards an integrated decision support system for the evaluation of water pollution in Tigris Basin (DSSWAPIT)." Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on. IEEE, 2014.	4	2
4	A. Hangan, L. Vacariu, O. Cret, H. Hedesiu, A Prototype for the Remote Monitoring of Water Parameters, in 19TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS 2013), pp. 634-639, 2013.	Popescu, Sorin Iulian, Mariana Mocanu, and Anca Daniela Ionita. "Customisable decision support service for water management in river basins." Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on. IEEE, 2014.	4	2
5	Anca Hangan, Gheorghe Sebestyen, RTMultiSim: A versatile simulator for multiprocessor real-time systems, in Proceedings of the 3 International Workshop on Analysis Tools and Methodologies for Embedded and Real-time Systems, Pisa, Italy, 2012, pp. 15-2012.	Rivas, Juan M., J. Javier Gutiérrez, and Michael González Harbour. "A supercomputing framework for the evaluation of real-time analysis and optimization techniques." Journal of Systems and Software 124 (2017): 120-136.	2	8
6	G. Sebestyen, A. Hangan, A. Suciu, Simulation-based Schedulability Tests for Multiprocessor Real-time Systems, in 2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 18TH EDITION, pp. 216-221, 2012.	de Oliveira, Romulo Silva, Andreu Carminati, and Renan Augusto Starke. "Using an adversary simulator to evaluate global EDF scheduling of sporadic task sets on multiprocessors." Journal of Parallel and Distributed Computing 74.10 (2014): 3037-3044.	3	5.333333333
7	Vlad Olaru, Anca Hangan, Gheorghe Sebestyen-Pal, Gavril Saplacan, "Real-Time Java and Multi-Core Architectures", in 2008 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 215-222, 2008.	Basanta-Val, Pablo, and Jonathan Stephen Anderson. "Using real-time java in distributed systems: Problems and solutions." Distributed, Embedded and Real-time Java Systems. Springer US, 2012. 23-44.	4	2
8	Vlad Olaru, Anca Hangan, Gheorghe Sebestyen-Pal, Gavril Saplacan, "Real-Time Java and Multi-Core Architectures", in 2008 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 215-222, 2008.	Masson, Damien, and Serge Midonnet. "Handling non-periodic events in real-time java systems." Distributed, Embedded and Real-time Java Systems. Springer US, 2012. 45-77.	4	2

9	Vlad Olaru, Anca Hangan, Gheorghe Sebestyen-Pal, Gavril Saplacan, "Real-Time Java and Multi-Core Architectures", in 2008 IEEE 4TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 215-222, 2008.	Holgado-Terriza, Juan Antonio, and Jaime Viúdez-Aivar. "Javaes, a flexible java framework for embedded systems." Distributed, Embedded and Real-time Java Systems. Springer US, 2012. 323-355.	4	2
10	Hangan, A., Vacariu, L., Cret, O., Muste, M., "Providing water parameters monitoring data through interoperable web services", in ICINCO 2014 - Proceedings of the 11th International Conference on Informatics in Control, Automation and Robotics, vol. 1, pp. 684-690, 2014.	Ionita, Anca Daniela, and Mariana Mocanu. "Modeling framework for hazard management applied to water pollution and radiation dispersion." Intelligent Computer Communication and Processing (ICCP), 2016 IEEE 12th International Conference on. IEEE, 2016.	4	2
11	Hangan, A., Vacariu, L., Cret, O., Muste, M., "Providing water parameters monitoring data through interoperable web services", in ICINCO 2014 - Proceedings of the 11th International Conference on Informatics in Control, Automation and Robotics, vol. 1, pp. 684-690, 2014.	Ionita, Anca Daniela, and Mariana Mocanu. "MULTIPLE MODELING PARADIGMS APPLIED FOR ACCIDENTAL POLLUTION MANAGEMENT." Environmental Engineering & Management Journal (EEMJ) 14.9 (2015).	4	2
12	Hangan, A., Vacariu, L., Cret, O., Muste, M., "Providing water parameters monitoring data through interoperable web services", in ICINCO 2014 - Proceedings of the 11th International Conference on Informatics in Control, Automation and Robotics, vol. 1, pp. 684-690, 2014.	Serrouch, Adil, Mariana Mocanu, and Florin Pop. "Soil management services in cluefarm." Parallel and Distributed Computing (ISPC), 2015 14th International Symposium on. IEEE, 2015.	4	2
13	A. Hangan, L. Vacariu, O. Cret, H. Hedesiu, A Prototype for the Remote Monitoring of Water Parameters, in 19TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS 2013), pp. 634-639, 2013.	Ionita, Anca Daniela, and Mariana Mocanu. "MULTIPLE MODELING PARADIGMS APPLIED FOR ACCIDENTAL POLLUTION MANAGEMENT." Environmental Engineering & Management Journal (EEMJ) 14.9 (2015).	4	2
14	Hangan, A., Vacariu, L., Cret, O., Muste, M., "Providing water parameters monitoring data through interoperable web services", in ICINCO 2014 - Proceedings of the 11th International Conference on Informatics in Control, Automation and Robotics, vol. 1, pp. 684-690, 2014.	Mocanu, Mariana, and Anca Daniela Ionita. "CLUEFARM, A SPACE FOR EDUCATION." The International Scientific Conference eLearning and Software for Education. Vol. 1. "Carol I" National Defence University, 2015.	4	2

15	A. Hangan, L. Vacariu, O. Cret, H. Hedesiu, A Prototype for the Remote Monitoring of Water Parameters, in 19TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS 2013), pp. 634-639, 2013.	Manaila, Florin, and Mariana Mocanu. "Heterogeneous sensor network systems." Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on. IEEE, 2014.	4	2
16	A. Hangan, L. Vacariu, O. Cret, H. Hedesiu, A Prototype for the Remote Monitoring of Water Parameters, in 19TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS 2013), pp. 634-639, 2013.	Popescu, Sorin Iulian, Mariana Mocanu, and Anca Daniela Ionita. "Customisable decision support service for water management in river basins." Intelligent Computer Communication and Processing (ICCP), 2014 IEEE International Conference on. IEEE, 2014.	4	2
17	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Islam, SM Riazu, et al. "The internet of things for health care: a comprehensive survey." IEEE Access 3 (2015): 678-708.	4	4
18	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Wlodarczak, Peter, Jeffrey Soar, and Mustafa Ally. "Context Aware Computing for Ambient Assisted Living." International Conference on Smart Homes and Health Telematics. Springer, Cham, 2016.	4	2
19	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Maia, Pedro, et al. "A Middleware Platform for Integrating Devices and Developing Applications in E-Health." Computer Networks and Distributed Systems (SBRC), 2015 XXXIII Brazilian Symposium on. IEEE, 2015.	4	2
20	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Maia, P., Batista, T., Cavalcante, E., Baffa, A., Delicato, F. C., Pires, P. F., & Zomaya, A. (2014). A web platform for interconnecting body sensors and improving health care. Procedia Computer Science, 40, 135-142.	4	2
21	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Srivastava, S., Pant, M., Abraham, A., & Agrawal, N. (2015). The technological growth in eHealth services. Computational and mathematical methods in medicine, 2015.	4	2

22	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	de Moraes Barroca Filho, Itamir, and Gibeon Soares de Aquino Junior. "IoT-Based Healthcare Applications: A Review." International Conference on Computational Science and Its Applications. Springer, Cham, 2017.	4	2
23	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Kodali, Ravi Kishore, Govinda Swamy, and Boppana Lakshmi. "An implementation of IoT for healthcare." Intelligent Computational Systems (RAICS), 2015 IEEE Recent Advances in. IEEE, 2015.	4	2
24	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Barroca, Itamir, Gibeon Aquino, and Maria Alzete Lima. "Promoting Better Healthcare for Patients in Critical Condition." Next-Generation Mobile and Pervasive Healthcare Solutions (2017): 1.	4	2
25	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Dalipi, Fisnik, Mexhid Ferati, and Sule Yildirim Yayilgan. "User Interface Evaluation of a Ski Injuries Management System." Advances in Human Factors in Sports and Outdoor Recreation. Springer International Publishing, 2017. 213-222.	4	2
26	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Software architectures for health care cyber-physical systems: A systematic literature review By: Plaza, Andrea M.; Diaz, Jessica; Perez, Jennifer JOURNAL OF SOFTWARE-EVOLUTION AND PROCESS Volume: 30 Issue: 7 Special Issue: SI Article Number: e1930 Published: JUL 2018	4	2
27	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	The role of Information and Communication Technologies in healthcare: taxonomies, perspectives, and challenges By: Aceto, Giuseppe; Persico, Valerio; Pescape, Antonio JOURNAL OF NETWORK AND COMPUTER APPLICATIONS Volume: 107 Pages: 125-154 Published: APR 1 2018	4	2
28	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	ECG Signal Reconstruction on the IoT-Gateway and Efficacy of Compressive Sensing Under Real-Time Constraints By: Al Disi, Mohammed; Djelouat, Hamza; Kotronis, Christos; et al. IEEE ACCESS Volume: 6 Pages: 69130-69140 Published: 2018	4	2
29	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Enabling Technologies on Cloud of Things for smart Healthcare By: Mahmoud, Mukhtar M. E.; Rodrigues, Joel J. P. C.; Ahmed, Syed Hassan; et al. IEEE ACCESS Volume: 6 Pages: 31950-31967 Published: 2018	4	2
30	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	A Fuzzy Prolog and Ontology Driven Framework for Medical Diagnosis Using IoT Devices By: Di Martino, Beniamino; Esposito, Antonio; Liguori, Salvatore; et al. Conference: 11th International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS) Location: Ist Superiore Mario Pella - Torino - ITALY Date: JUL 10-12 2017	4	2

31	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014	Lifelogging Data Validation Model for Internet of Things Enabled Personalized Healthcare By: Yang, Po; Stankevicius, Dainius; Marozas, Vaidotas; et al. IEEE TRANSACTIONS ON SYSTEMS MAN CYBERNETICS-SYSTEMS Volume: 48 Issue: 1 Pages: 50-64 Published: JAN 2018	4	2
32	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014	A reliable IoT system for Personal Healthcare Devices By: Woo, Min Woo; Lee, JongWhi; Park, KeeHyun FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE Volume: 78 Pages: 626-640 Part: 2 Published: JAN 2018	4	2
33	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014	Multicriteria evaluation of the Internet of Things potential in health care: The case of dementia care By: Dimitrioglou, Nikos; Kardaras, Dimitris; Barbounaki, Stavroula Conference: IEEE 19th Conference on Business Informatics CBI, Vol 1 Location: Thessalonki, GREECE Date: JUL 24-26, 2017	4	2
34	G. Sebestyen, A. Hangan, K. Sebestyen, R. Vachter, Self-tuning multimedia streaming system on cloud infrastructure, in 2013 INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE, vol. 18, pp. 1342-1351, 2013.	Wang, Qi, et al. "H. 265 Video Streaming in Mobile Cloud Networks." Resource Management of Mobile Cloud Computing Networks and Environments. IGI Global, 2015. 238-277.	4	2
35	Sebestyen Gh., Hangan A., Genetic approach for real-time scheduling on multiprocessor systems, Intelligent Computer Communication and Processing (ICCP), 2012 IEEE International Conference on	Hafnaoui, Imane, et al. "Scheduling real-time systems with cyclic dependence using data criticality." Design Automation for Embedded Systems (2017): 1-20.	2	4
36	L. Vacariu, A. Hangan, O. Cret, H. Hedesiu, An INSPIRE-Compliant System for Pollution Detection for Somes River, in 2015 20TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE, pp. 803-808, 2015.	Anatomization of Controllers in Electric Power Systems for Microgrid Approach By: Priyadharsini, R.; Kanimozhi, R.; Vigneswari, B. Karthika Conference: National Power Engineering Conference (NPEC) Location: Madurai, INDIA Date: MAR 09-10, 2018 Sponsor(s): Dept Elect & Elect Engrn; IEEE Podhigai Subsect Madras Sction; IEEE; Thiagarajar Coll Engrn 2018 NATIONAL POWER ENGINEERING CONFERENCE (NPEC) Published: 2018	4	2
37	L. Vacariu, O. Cret, A. Hangan, C. Bacotiu, Water Parameters Monitoring on a Cyberwater Platform, in 2015 20TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE, pp. 797-802, 2015.	Multi-Source Energy Harvesting and Storage for Floating Wireless Sensor Network Nodes With Long Range Communication Capability By: Lee, Wai-Kong; Schubert, Martin J. W.; Ooi, Boon-Yaik; et al. Conference: IEEE Conference on Industrial Electronics and Applications Location: Kota Kinabalu, MALAYSIA Date: NOV 20-22, 2016 Sponsor(s): IEEE IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS Volume: 54 Issue: 3 Pages: 2606-2615 Published: MAY-JUN 2018	4	2
38	G. Sebestyen, A. Hangan, Bloom Filters for Information Retrieval in the Context of IoT, in PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR), pp. 347-352, 2016.	Targeted Content Delivery to IoT Devices Using Bloom Filters By: Dautov, Rustem; Distefano, Salvatore Conference: 16th International Conference on Ad-Hoc Networks and Wireless (ADHOC-NOW) Location: Messina, ITALY Date: SEP 20-22, 2017 Sponsor(s): Univ Messina, SmartMe Io AD-HOC, MOBILE, AND WIRELESS NETWORKS, ADHOC-NOW 2017 Book Series: Lecture Notes in Computer Science Volume: 10517 Pages: 39-52 Published: 2017	2	4
39	Gh. Sebestyen, I. Stoica, A. Hangan, Human activity recognition and monitoring for elderly people, Proceedings of the 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj, Romania, 2016, pp. 341-347.	Online Spatio-Temporal Fuzzy Relations By: Poli, Jean-Philippe; Boudet, Laurence; Le Yaouanc, Jean-Marie Conference: IEEE International Conference on Fuzzy Systems (FUZZ-IEEE) Location: Rio de Janeiro, BRAZIL Date: JUL 08-13, 2018 Sponsor(s): IEEE 2018 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE) Book Series: IEEE International Conference on Fuzzy Systems Published: 2018	3	2.666666667

40		<p>Detailed Activity Recognition with Smartphones By: RoyChowdhury, Ishan; Saha, Jayita; Chowdhury, Chandreyee Conference: 5th International Conference on Emerging Applications of Information Technology (EAIT) Location: Kolkata, INDIA Date: JAN 12-13, 2018 Sponsor(s): Comp Soc India; IEEE Kolkata Sect; IEEE Young Professionals; SAP Partner; Dygittech Business Analytics Acad; TEQIP; Balani Infotech Pvt. Ltd. PROCEEDINGS OF 2018 FIFTH INTERNATIONAL CONFERENCE ON EMERGING APPLICATIONS OF INFORMATION TECHNOLOGY (EAIT) Book Series: Proceedings International Conference on Emerging Applications of Information Technology (EAIT) Published: 2018</p>	3	2.66666667
41		<p>Two phase ensemble classifier for smartphone based human activity recognition independent of hardware configuration and usage behaviour By: Saha, Jayita; Chowdhury, Chandreyee; Biswas, Suparna MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS Volume: 24 Issue: 6 Pages: 2737-2752 Published: JUN 2018</p>	3	2.66666667
42		<p>Vision-Based Human Action Classification Using Adaptive Boosting Algorithm By: Zerrouki, Nabil; Harrou, Fouzi; Sun, Ying; et al. IEEE SENSORS JOURNAL Volume: 18 Issue: 12 Pages: 5115-5121 Published: JUN 15 2018</p>	3	2.66666667
43	<p>G. Sebestyen, D. Muresan, A. Hangan, Road Quality Evaluation with Mobile Devices, in 2015 16TH INTERNATIONAL CARPATHIAN CONTROL CONFERENCE (ICCC), pp. 458-464, 2015.</p>	<p>Road Surface Monitoring Using Smartphone Sensors: A Review By: Sattar, Shahram; Li, Songnian; Chapman, Michael SENSORS Volume: 18 Issue: 11 Article Number: 3845 Published: NOV 2018</p>	3	2.66666667
44	<p>Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.</p>	<p>Sony, P., and N. Sureshkumar. "Concept-Based Electronic Health Record Retrieval System in Healthcare IoT." Cognitive Informatics and Soft Computing. Springer, Singapore, 2019. 175-188.</p>	4	2
45		<p>Flutur, G., Movileanu, B., Károly, L., Danci, I., Cosovanu, D., & Stan, O. P. (2019, August). Smart Chair System for Posture Correction. In 2019 22nd Euromicro Conference on Digital System Design (DSD) (pp. 436-441). IEEE.</p>	4	2
46		<p>Barroca, I., Aquino, G., & Lima, M. A. (2019). Promoting Better Healthcare for Patients in Critical Condition: An IoT-Based Solution to Integrate Patients, Physicians, and Ambulance Services. In Consumer-Driven Technologies in Healthcare: Breakthroughs in Research and Practice (pp. 97-117). IGI Global.</p>	4	2
47		<p>Rakshit, P., Nath, I., & Pal, S. (2020). Application of IoT in Healthcare. In Principles of Internet of Things (IoT) Ecosystem: Insight Paradigm (pp. 263-277). Springer, Cham.</p>	4	2
48	<p>Gh. Sebestyen, I. Stoica, A. Hangan, Human activity recognition and monitoring for elderly people, Proceedings of the 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj, Romania, 2016, pp. 341[347.</p>	<p>Nweke, H. F., Teh, Y. W., Mujtaba, G., & Al-Garadi, M. A. (2019). Data fusion and multiple classifier systems for human activity detection and health monitoring: Review and open research directions. Information Fusion, 46, 147-170.</p>	3	2.66666667
49		<p>Zmitri, M., Fourati, H., & Vuillerme, N. (2019). Human Activities and Postures Recognition: From Inertial Measurements to Quaternion-Based Approaches. Sensors, 19(19), 4058.</p>	3	2.66666667
50		<p>Lentzas, Athanasios, and Dimitris Vrakas. "Non-intrusive human activity recognition and abnormal behavior detection on elderly people: a review." Artificial Intelligence Review (2019): 1-47.</p>	3	2.66666667
51		<p>Papagiannaki, A., Zacharaki, E. I., Kalouris, G., Kalogiannis, S., Deltouzos, K., Ellul, J., & Megalooikonomou, V. (2019). Recognizing physical activity of older people from wearable sensors and inconsistent data. Sensors, 19(4), 880.</p>	3	2.66666667

52	Vacariu, L., Cret, O., Hangan, A., & Bacotiu, C. (2015, May). Water parameters monitoring on a cyberwater platform. In 2015 20th international conference on control systems and computer science (pp. 797-802). IEEE.	Hussen Hajjaj, S. S., Hameed Sultan, M. T., Moktar, M. H., & Lee, S. H. (2020). Utilizing the internet of things (IoT) to develop a remotely monitored autonomous floodgate for water management and control. <i>Water</i> , 12(2), 502.	4	2
53		Olatinwo, S. O., & Joubert, T. H. (2019). Enabling communication networks for water quality monitoring applications: a survey. <i>IEEE Access</i> , 7, 100332-100362.	4	2
54	Sebestyen, Gheorghe, and Anca Hangan. "Anomaly detection techniques in cyber-physical systems." <i>Acta Universitatis Sapientiae, Informatica</i> 9.2 (2017): 101-118.	Dymora, Paweł, and Mirosław Mazurek. "Anomaly Detection in IoT Communication Network Based on Spectral Analysis and Hurst Exponent." <i>Applied Sciences</i> 9.24 (2019): 5319.	2	4
55		Narayan, Valliammal, and D. Shanmugapriya. "Big Data Analytics With Machine Learning and Deep Learning Methods for Detection of Anomalies in Network Traffic." <i>Handbook of Research on Machine and Deep Learning Applications for Cyber Security</i> . IGI Global, 2020. 317-346.	2	4
56		Vidyasankar, K. "Detection of Data Anomalies in Fog Computing Architectures." <i>Smart Trends in Computing and Communications</i> . Springer, Singapore, 2020. 133-142.	2	4
57	Deak, N., Cret, O., Echim, M., Teodorescu, E., Negrea, C., Văcariu, L., ... & Hangan, A. (2018). Edge computing for space applications: Field programmable gate array-based implementation of multiscale probability distribution functions. <i>Review of Scientific Instruments</i> , 89(12), 125005.	Pasian, Ali, and Neena Imam. "Nanosystems, Edge Computing, and the Next Generation Computing Systems." <i>Sensors</i> 19.18 (2019): 4048.	8	1
58	Z. Czako, Gh. Sebestyen, A. Hangan, AutomaticAI – A hybrid approach for automatic artificial intelligence algorithm selection and hyperparameter tuning, <i>Expert Systems with Applications</i> Volume 182, 15 November 2021, 115225, ISSN 0957-4174	Control of a Drone in Virtual Reality Using MEMS Sensor Technology and Machine Learning Covaciu, F and Iordan, AE Apr 2022 MICROMACHINES 13 (4)	3	2.66666667
59		Evaluation Index System of Ideological and Political Teaching in Colleges and Universities Based on Data Mining under the Background of Big Data Shen, ZZ Jul 12 2022 COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE 2022	3	2.66666667
60		Scientific Research Management Helping the Development of Regional Cultural Industry from the Perspective of Artificial Intelligence Wang, J and Hu, XY Oct 3 2022 MOBILE INFORMATION SYSTEMS 2022	3	2.66666667
61		Mechanical response of additively manufactured foam: A machine learning approach Neelam, R; Kulkarni, SA; (...); Doddamani, M Dec 2022 Nov 2022 (Early Access) RESULTS IN ENGINEERING 16	3	2.66666667
62		Statistical methods for design and testing of 3D-printed polymers Espino, MT; Tuazon, BJ; (...); Advincula, RC Mar 2023 (Early Access) MRS COMMUNICATIONS	3	2.66666667
		Models and explanatory variables in modelling failure for drinking water pipes to support asset management: a mixed literature review Forero-Ortiz, E; Martinez-Gomariz, E; (...); Monton, MS Nov 2023 APPLIED WATER SCIENCE	3	2.66666667
		Hyperparameter optimization for deep neural network models: a comprehensive study on methods and techniques Roy, S; Mehera, R; (...); Bandyopadhyay, SK Oct 2023 (Early Access) INNOVATIONS IN SYSTEMS AND SOFTWARE ENGINEERING	3	2.66666667

		SpikeExplorer: Hardware-Oriented Design Space Exploration for Spiking Neural Networks on FPGA Padovano, D; Carpegna, A; (...); Di Carlo, S May 2024 ELECTRONICS	3	2.66666667
63	Gh. Sebestyen, I. Stoica, A. Hangan, Human activity recognition and monitoring for elderly people, Proceedings of the 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj, Romania, 2016, pp. 341-347.	Monitoring and Evaluation of People in Indoors and Outdoors Using Deep Learning Cruz, BS; Aguia, K and Perdomo, OJ 17th International Symposium on Medical Information Processing and Analysis 2021 17TH INTERNATIONAL SYMPOSIUM ON MEDICAL INFORMATION PROCESSING AND ANALYSIS 12088	3	2.66666667
64		Monitoring Wheelchair Users in Care Facilities with BLE Beacons Attached to Wheels Ogane, Y; Enokibori, Y and Kaji, K 13th International Conference on Mobile Computing and Ubiquitous Network (ICMU) 2021 13TH INTERNATIONAL CONFERENCE ON MOBILE COMPUTING AND UBIQUITOUS NETWORK (ICMU2021)	3	2.66666667
65		Design of basketball game image acquisition and processing system based on machine vision and image processor Hu, M and Hu, QL Apr 2021 Jan 2021 (Early Access) MICROPROCESSORS AND MICROSYSTEMS 82	3	2.66666667
66		Activity Recognition in Residential Spaces with Internet of Things Devices and Thermal Imaging Natk, K; Pandit, T; (...); Shah, P Feb 2021 SENSORS 21 (3)	3	2.66666667
67		Gradient local auto-correlation features for depth human action recognition Bulbul, MF and Ali, H May 2021 SN APPLIED SCIENCES 3 (5)	3	2.66666667
68		The Use of Transfer Learning for Activity Recognition in Instances of Heterogeneous Sensing Hernandez-Cruz, N; Nugent, C; (...); McChesney, I Aug 2021 PPLIED SCIENCES-BASEL 11 (16)	3	2.66666667
69		Edge Devices for Internet of Medical Things: Technologies, Techniques, and Implementation Ben Dhaou, I; Ebrahimi, M; (...); Kanoun, O Sep 2021 ELECTRONICS 10 (17)	3	2.66666667
70		A Hybrid Deep Neural Network for Human Activity Recognition based on IoT Sensors Benhalli, Z; Balouki, Y and Moumoun, L Nov 2021 INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 12 (11) , pp.250-257	3	2.66666667
71		Multilabel Classification Methods for Human Activity Recognition: A Comparison of Algorithms Lentzas, A; Dalagdi, E and Vrakas, D Mar 2022 SENSORS 22 (6)	3	2.66666667
72		Internet of Things (IoT) Based Activity Recognition Strategies in Smart Homes: A Review Babangida, L; Perumal, T; (...); Yaakob, R May 1 2022 IEEE SENSORS JOURNAL 22 (9) , pp.8327-8336	3	2.66666667
73		Transfer Learning Model Knowledge Across Multi-Sensors Locations Over Body Sensor Network Qian, XY; Chen, H; (...); Huang, MC Jun 1 2022 IEEE SENSORS JOURNAL 22 (11) , pp.10663-10670	3	2.66666667
74		Enhanced Prediction Model for Human Activity Using an End-to-End Approach Park, S; Lee, HO; (...); Lee, BT Apr 1 2023 IEEE INTERNET OF THINGS JOURNA 10 (7) , pp.6031-6041	3	2.66666667
75	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	HELENA: An intelligent digital assistant based on a Lifelong Health User Model Pollignano, M; Lops, P; (...); Semeraro, G Jan 2023 INFORMATION PROCESSING & MANAGEMENT 60 (1)	4	2
76		e-Health Application, Implementation and Challenges: A Literature Review Kovacic, M; Mutavdzija, M and Buntak, K Jun 1 2022 BUSINESS SYSTEMS RESEARCH JOURNAL 13 (1) , pp.1-18	4	2

77	Security and Privacy Issues in Medical Internet of Things: Overview, Countermeasures, Challenges and Future Directions Elhoseny, M; Thilakarathne, NN; (...); Welhenge, A Nov 2021 SUSTAINABILITY 13 (21)	4	2
78	Internet of Healthcare Things: A contemporary survey Ketu, S and Mishra, PK Oct 15 2021 Aug 2021 (Early Access) JOURNAL OF NETWORK AND COMPUTER APPLICATIONS 192	4	2
79	Multimodal Wearable Intelligence for Dementia Care in Healthcare 4.0: a Survey Yang, P; Bi, GS; (...); Xu, LD Jul 2021 (Early Access) INFORMATION SYSTEMS FRONTIERS	4	2
80	An IoT-Based Healthcare Platform for Patients in ICU Beds During the COVID-19 Outbreak Barroca, ID; Aquino, G; (...); Melo, SRM 2021 IEEE ACCESS 9, pp.27262-27277	4	2
81	Sookhak, M; Jabbarpour, MR; (...); Yu, FR Mar 15 2021 Jan 2021 (Early Access) JOURNAL OF NETWORK AND COMPUTER APPLICATIONS 178	4	2
82	Recent developments in self-powered smart chemical sensors for wearable electronics Aaryashree; Sahoo, S; (...); Late, DJ Nov 2021 Feb 2021 (Early Access) NANO RESEARCH 14 (11), pp.3669-3689	4	2
83	Technology assessment framework for precision health applications Hussain, MS; Silvera-Tawil, D and Farr-Wharton, G May 26 2021 INTERNATIONAL JOURNAL OF TECHNOLOGY ASSESSMENT IN HEALTH CARE 37 (1)	4	2
84	IoT in healthcare: a review of services, applications, key technologies, security concerns, and emerging trends Nissar, G; Khan, RA; (...); Moon, AH Feb 2024 (Early Access) MULTIMEDIA TOOLS AND APPLICATIONS	4	2
85	A Comprehensive review of 'Internet of Healthcare Things': Networking aspects, technologies, services, applications, challenges, and security concerns Verma, H; Chauhan, N and Awasthi, LK Nov 2023 COMPUTER SCIENCE REVIEW	4	2
86	A novel and intelligent decision-making system for real-time healthcare tracking using commercial wearable data Peddi, A and Ramana, TV 2023 INTERNATIONAL JOURNAL OF NANOTECHNOLOGY	4	2
87	MEC-IoT-Healthcare: Analysis and Prospects Wang, HY; Dauwed, M; (...); Mostafa, SM 2023 CMC-COMPUTERS MATERIALS & CONTINUA	4	2

Total punctaj A3.1.1.

222.3333333

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	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Ullah, Kaleem, Munam Ali Shah, and Sijing Zhang. "Effective ways to use Internet of Things in the field of medical and smart health care." Intelligent Systems Engineering (ICISE), 2016 International Conference on. IEEE, 2016.	4	1
2	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Moon, Y. B., Oh, S. W., ng Kang, H. J., Lee, H. S., Kim, S. J., & Ban, H. C. (2015, September). Smart mirror health management services based on iot platform. In Proceedings of the 14th International Conference on Applications of Computer Engineering (ACE'15) (pp. 87-89).	4	1

3	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Yavilgan, S. Y., Du, Y., Dalipi, F., & Jeppesen, J. C. (2015, November). A novel system architecture for efficient management of skiing injuries. In Interactive Mobile Communication Technologies and Learning (IMCL), 2015 International Conference on (pp. 73-77). IEEE.	4	1
4	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Man, Lee Carman Ka, Cheng Mei Na, and Ng Chun Kit. "IoT-based asset management system for healthcare-related industries." International Journal of Engineering Business Management 7 (2015): 19.	4	1
5	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Dimitrioglou, Nikos, Dimitris Kardaras, and Stavroula Barbounaki. "Multicriteria Evaluation of the Internet of Things Potential in Health Care: The Case of Dementia Care." Business Informatics (CBI), 2017 IEEE 19th Conference on. Vol. 1. IEEE, 2017.	4	1
6	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Yamamoto, Naoki, et al. "Prototype implementation of ID card based momentum measurement system." Consumer Communications & Networking Conference (CCNC), 2017 14th IEEE Annual. IEEE, 2017.	4	1
7	Gheorghe Sebestyen,	Woo, Min Woo, Jongwin Lee, and Keeyun Park. "A reliable IoT system for Personal Healthcare Devices." Future Generation	4	1
8	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Yildirim-Yavilgan, Sule, et al. "A New Ski Injury Registration System Architecture Using Mobile Applications to Enhance Skiing Safety." International Journal of Interactive Mobile Technologies 10.4 (2016).	4	1
9	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Can, Ozgu, et al. "Nesnelerin Interneti ve Güvenli Bir Sağlık Bilgi Modeli Önerisi." 4th International Symposium on Innovative Technologies in Engineering and Science (ISITES2016) 3-5 Nov 2016 Alanya/Antalya-Turkey. 2016.	4	1
10	A. Hangan, L. Vacariu, O. Cret, H. Hedesiu, A Prototype for the Remote Monitoring of Water Parameters, in 19TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS 2013), pp. 634-639, 2013.	Pop, Florin, et al. "A bio-inspired prediction method for water quality in a cyber-infrastructure architecture." Complex, Intelligent and Software Intensive Systems (CISIS), 2014 Eighth International Conference on. IEEE, 2014.	4	1

11	Anca Hangan, Gheorghe Sebestyen, RTMultiSim: A versatile simulator for multiprocessor real-time systems, in Proceedings of the 3 International Workshop on Analysis Tools and Methodologies for Embedded and Real-time Systems, Pisa, Italy, 2012, pp. 15-2012.	Digalwar, Mayuri, et al. "Stream: A simulation tool for energy efficient real-time scheduling and analysis." Proceedings of 6th International Workshop on Analysis Tools and Methodologies for Embedded and Real Time Systems (WATERS 2015). 2015.	2	2
12	Gheorghe Sebestyen, Doina Banciu, Tunde Balint, Anca Hangan, "Digital content management on GRID structures", in ICCP 2007: IEEE 3RD INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING, PROCEEDINGS, pp. 259-262, 2007.	Haiyan, Li. "E-learning-oriented personalized multimedia resource management." Information Technology in Medicine and Education (ITME), 2012 International Symposium on. Vol. 1. IEEE, 2012.	4	1
13	Hangan, K. Sebestyen, R. Vachter, Self-tuning multimedia streaming system on cloud infrastructure, in 2013	Agudelo, Pedro Luis, et al. "Architectonic Proposal for the Video Streaming Service Deployment Within the Educational Context." Colombian Conference on Computing, Springer, Cham, 2017.	4	1
14	Hangan, A., Marfievici, R., Sebestyen, G., "Reservation-based data flow scheduling in distributed control applications", in 3rd International	Andreica, Mugurel Ionut, and Nicolae Tapus. "Decision optimization techniques for efficient delivery of multimedia streams." Signals, Circuits and Systems, 2009. ISSCS 2009. International Symposium on. IEEE, 2009.	3	1.333333333
15	G. Sebestyen, A. Hangan, A. Suciu, Simulation-based Schedulability Tests for Multiprocessor Real-time Systems, in 2012 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, THETA 18TH EDITION, pp. 216-221, 2012.	Ayari, Rabeh, et al. "Simulation-based schedulability assessment for real-time systems." Proceedings of the Summer Computer Simulation Conference. Society for Computer Simulation International, 2016.	3	1.333333333
16	Olaru, V., Hangan, A., Sebestyen-Pal, G., "Java support packages and benchmarks for multi-core processors", in Proc. - 2011 IEEE International Conference on HPCC 2011 - 2011 IEEE International Workshop on FDACS 2011 -Workshops of the 2011 Int. Conf. on UIC 2011- Workshops of the 2011 Int. Conf. ATC 2011, pp. 528-535, 2011.	Velkoski, Goran, Sasko Ristov, and Marjan Gusev. "Loosely or tightly coupled affinity for matrix-vector multiplication." Information & Communication Technology Electronics & Microelectronics (MIPRO), 2013 36th International Convention on. IEEE, 2013.	3	1.333333333
17	Marfievici, R., Sebestyen, G., Pop-Bidian, A., "Industrial control communication framework on an IPv6 infrastructure", in	Pisani, Paulo, and Nunzio Torrisi. "Steganographic safety layer over IP." Industry Applications (INDUSCON), 2014 11th IEEE/IAS International Conference on. IEEE, 2014.	3	1.333333333
18	Gh. Sebestyen, I. Stoica, A. Hangan, Human activity recognition and monitoring for elderly people, Proceedings of the 2016 IEEE 12th International Conference on Intelligent Computer Communication and Processing (ICCP), Cluj, Romania, 2016, pp. 341{347.	Kavitha, R. "Human Activity Recognition from Sensor data using Random Forest Algorithm." International Journal of Advanced Research in Computer Science 8.3 (2017).	3	1.333333333

19	C. Negru, F. Pop, M. Mocanu, V. Cristea, A. Hangan, L. Vacariu, Cost-aware Cloud Storage Service Allocation for Distributed Data Gathering, in PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR), pp. 31-35, 2016.	Fan, W. A. N. G., et al. "Model of e-commerce cloud warehouse grading based on mass simulation data." Journal of Digital Information Management 14.5 (2016).	6	0.666666667
20	Olaru, V., Hangan, A., Sebestyen, Gh., RTSJMcBench, a framework for writing parallel benchmarks for real-time Java on multi-core architectures, in 2010 IEEE International Conference on Automation, Quality and Testing, Robotics, AQTR 2010 - Proceedings, vol. 2, pp. 160-165, 2010.	Kriegel, Joffrey, et al. "Waveperf: a benchmark generator for performance evaluation." ACM SIGBED Review 9.2 (2012): 7-11.	3	1.333333333
21	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Mahmoud, Mukhtar ME, Joel JPC Rodrigues, and Kashif Saleem. "Cloud of Things for Healthcare: A Survey from Energy Efficiency Perspective." 2019 International Conference on Computer and Information Sciences (ICIS). IEEE, 2019.	4	1
22	Gheorghe Sebestyen, Anca Hangan, Stefan Oniga, Zoltan Gal, "eHealth Solutions in the Context of Internet of Things", in 2014 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS, 2014.	Singh, Jasjit, et al. "Health Monitoring Gadgets." International Conference on Intelligent Computing and Smart Communication 2019. Springer, Singapore, 2020.	4	1
23	Gh. Sebestyen, I. Stoica, A. Hangan, Human activity recognition and monitoring for elderly people, Proceedings of the	Kalouris, Gerasimos, Evangelia I. Zacharaki, and Vasileios Megalooikonomou. "Improving CNN-based activity recognition by data augmentation and transfer learning." 2019 IEEE 17th International Conference on Industrial Informatics (INDIN). Vol. 1. IEEE, 2019.	3	1.333333333
24	A. Hangan, L. Vacariu, O. Cret, H. Hedesiu, A Prototype for the Remote Monitoring of Water Parameters, in 19TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS 2013), pp. 634-639, 2013.	Rezwan, S., Ishtiak, T., Rahman, R., Rahman, H. A., Akter, M., Ratul, H. A., ... & Jakariya, M. (2019, October). A Minimalist Model of IoT based Sensor System for Sewage Treatment Plant Monitoring. In 2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON) (pp. 0939-0945). IEEE.	4	1
25	Vacariu, L., Cret, O., Hangan, A., & Bacotiu, C. (2015, May). Water parameters monitoring on a cyberwater platform. In 2015 20th	Rezwan, Sifat, et al. "A Minimalist Model of IoT based Sensor System for Sewage Treatment Plant Monitoring." 2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON). IEEE, 2019.	4	1
26	Sebestyen, Gheorghe, and Anca Hangan. "Anomaly detection techniques in cyber-physical systems." Acta Universitatis	Humm, Bernhard G. "Outlier Detection in Temporal Spatial Log Data Using Autoencoder for Industry 4.0." Engineering Applications of Neural Networks: 20th International Conference, EANN 2019, Xersonisos, Crete, Greece, May 24-26, 2019, Proceedings. Vol. 1000. Springer, 2019.	2	2
27	Sebestyen, Gheorghe, and Anca Hangan. "Anomaly detection techniques in cyber-physical systems." Acta Universitatis	Kaupp, Lukas, et al. "Outlier Detection in Temporal Spatial Log Data Using Autoencoder for Industry 4.0." International Conference on Engineering Applications of Neural Networks. Springer, Cham, 2019.	2	2

28	Deak, N., Creț, O., Echim, M., Teodorescu, E., Negrea, C., Văcariu, L., ... & Hângan, A. (2018). Edge computing for	Yang, Shuling, et al. "Space-Based Computing Platform Based on SoC FPGA." 2019 IEEE World Congress on Services (SERVICES). Vol. 2642. IEEE, 2019.	8	0.5

Total punctaj A3.1.2.

32.5

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

	Nume manifestare	URL	Tip (ISI/BDI)	Punctaj
1	21st International Conference on System Theory, Control and Computing -Reviewer	http://www.icstcc2017.ac.tuiasi.ro/wp-content/uploads/sites/16/2017/07/ICSTCC2017_reviewers.pdf	BDI	6
2	THE JOURNAL OF SYSTEMS & SOFTWARE (Elsevier) ISSN: 0164-1212 -Reviewer	https://www.journals.elsevier.com/journal-of-systems-and-software/	ISI	10
2	International Journal of Computational Science and Engineering - Reviewer	http://www.inderscience.com/home.php?icode=iicse	BDI	6
3	MIKE2018 (Organizing comitee)	http://www.mike.org.in/2018/#-start	BDI	6
4	MIKE2018 (Program comitee)	http://www.mike.org.in/2018/#-start	BDI	6
5	ICCP 2019/2020	http://www.iccp.ro/iccp2019/index.php/program-committee.html	BDI	10
6	MDPI Sensors - Reviewer	https://www.mdpi.com/journal/sensors	ISI	10
7	MDPI Processes Reviewer	https://www.mdpi.com/journal/processes	ISI	10

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A3.4. Premii in domeniul nationale sau internationale

Nr.	Anul	Descriere premiu	Punctaj
1	2007	Best paper Award pt articolul A. Hangan, R. Marfievici, G. Sebestyen, "Reservation-based data flow scheduling in distributed control applications", in 3rd International Conference on Networking and Services, ICNS 2007, 2007.	15