

UNIVERSITATEA POLITEHNICA DIN BUCURESTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PENTRU ACORDAREA ATESTATULUI DE ABILITARE

CANDIDAT Conf. Dr. ing. Marius-Constantin Vochin

Post Nr 31, Conferentiar, Depart. de Telecomunicații Fac. de Electronică, Telecomunicații și Tehnologia Informației

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor în domeniul Inginerie Electronică și Telecomunicații, din 11.11.2014 emisa de Universitatea Politehnica din București.	
B. Îndeplinirea standardelor minime naționale conform OMENCS Nr. 6129 / 20.12.2016 [MO, I, 123 / 15.02.2017]	Standarde îndeplinite, conform Comisiei CNATDCU Nr 11, Electronică, Telecomunicații și Nanotehnologie Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minime [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică și profesională	100	142
A2. Activitatea de cercetare	600	714
A3. Recunoașterea și impactul activității	150	597
TOTAL (A)	850	1453
Condiții minime obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A.1.1.1 – A.1.1.2 Cărți și capitole în cărți de specialitate	1	8
A. 2.1. Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI Proceedings	15 dintre care minimum 3 în reviste cotate ISI Q1 sau Q2	36 din care 4 în reviste cotate Q1 sau Q2
A. 2.4.1. Granturi / proiecte de cercetare câștigate	2	4
A. 3.1. Număr de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI (WOS)	25	139
Factor de impact ISI cumulată pentru publicații	10	25.37
C. Atestarea studiilor (diploma + Foi Matricole) și a altor realizari profesionale	Diploma de Licenta , în domeniul Inginerie Electronica și Telecomunicații Nr 2526 din 28.12.2009 emisă de Universitatea Politehnica Bucuresti Diplomă de Master , Specializarea Tehnologii Software avansate pentru Comunicatii din 10.01.2012 emisă de Universitatea Politehnica Bucuresti Alte Diplome..... Alte Certificate: Certificate de absolvire Departamentul pentru Pregătirea Personalului Didactic, 12.02.2016 Certificat de competența lingvistică limba engleză nivel B2/CEFR Alte Acte de atestare a studiilor/realizărilor profesionale.....	

Subsemnatul Vochin Marius-Constantin, candidat la concursul pentru ocuparea postului de conferentiar universitar, poziția 31, Departam. de telecomunicații, Facultatea de Electronică, Telecomunicații și Tehnologia Informației, din Domeniul de Studii Univ. Inginerie Electronica și Telecomunicații, arondat Comisiei de Specialitate CNATDCU [OMECTS 4106/10.06.2016] Nr 11, Electronică, Telecomunicații și Nanotehnologie, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2018 pentru înscrierea la concurs, în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters Web of Science sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la aceasta dată.

Candidat,

Data

.....

22.09.2021

IN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate

Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului

Conf. dr. ing. Marius Vochin

Departamentul Telecomunicații
Facultatea de Electronica, Telecomunicații și Tehnologia Informației
Comisia Electronica, Telecomunicații și Nanotehnologie (Anexa nr. 11)

23 septembrie 2021

CENTRALIZATOR

Condiții minime pentru profesor la Comisia de Electronica, Telecomunicații și Nanotehnologie	Val. Min.	Obținut
A1 Activitate didactică și profesională	100	142
A2 Activitatea de cercetare	600	714.38
A3 Recunoașterea și impactul activității	150	597.13
INDICATORUL DE MERIT (A= A1 + A2 + A3)	850	1453.18
A1.1.1-A1.1.2 Cărți și capitole în cărți de specialitate	1	8
A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI	15	36
din care în reviste cotate ISI Q1 sau Q2 [10]	3	4
A2.4.1 Granturi/proiecte câștigate prin competiție ca director sau responsabil	2	4
A3.1.1 Numar de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice cotate ISI	25	139
Factor de impact cumulat pentru publicații	10	25.37

PREZENTARE DETALIATA

A1 - Activitate didactică și profesională				
Nr.crt.	A1.1.1 Cărți/monografii/capitole ca autor - internaționale [50 / nr. de autori]			
1	Gabriel Lucian Ioan, Graziela Niculescu, Marius-Constantin Vochin, TRANSMISSION, COMMUTATION and ROUTAGE dans les réseaux de communication, Editura Politehnica Press, 2021, ISBN 978-606-515-977-8	Carte	3	16.67
2	Gabriel Lucian Ioan, Graziela Niculescu, Marius-Constantin Vochin, TRANSMISSION, SWITCHING and ROUTING in communication networks, Editura Politehnica Press, 2021, ISBN 978-606-515-976-1.	Carte	3	16.67
3	Gabriel Lucian Ioan, Graziela Niculescu, Marius-Constantin Vochin, Qualité des services et performance des réseaux de communications, Editura Politehnica Press, 2021, ISBN 978-606-515-965-5	Carte	3	16.67
4	QUALITY OF TELECOMMUNICATIONS SERVICES, Gratiela Niculescu, Lucian Ioan, Marius Vochin, ISBN 978-606-515-912-9, Editura Politehnica Press, 2020.	Carte	3	16.67
5	Switching Systems in Telecommunication Networks, Alexandru Rusu-Casandra, Marius-Constantin Vochin, Lucian Ioan, ISBN 978-606-515-868-9, Editura Politehnica Press, 2019.	Carte	3	16.67
6	Routing in Telecommunication Networks, Marius-Constantin Vochin, Alexandru Rusu-Casandra, Gratiela Niculescu, ISBN 978-606-515-867-2, Editura Politehnica Press, 2019.	Carte	3	16.67
Nr.crt.	A1.1.2 Cărți/monografii/capitole ca autor - naționale [50 / nr. de autori]		Nr. Autori	
1	Arhitecturi și Protocoale pentru Comunicații, Teorie și aplicații practice, Radu Caius Lupu, Dragoș Ș. Niculescu, Marius-Constantin Vochin, ISBN 978-606-515-727-9, Editura Politehnica Press, 2016.	Carte	3	16.67
2	Marius-Constantin Vochin, Radu Caius Lupu, Sisteme de operare, Editura Politehnica Press, 2020, ISBN 978-606-515-906-8	Carte	2	25.00
Nr.crt.	A1.2.1 Material didactic / lucrări didactice - Manuale didactice [40 / nr. de autori]			
Total A1				142
A2 - Activitatea de cercetare				
Nr.crt.	A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI [(25+30 * factor impact) / nr. de autori]	Q	Nr. Autori	Factor impact 2021
1	Vochin, George Suci, Mihaela Balanescu, Vasileios Anestis, Thomas Bartzanas, DATA-DRIVEN DECISION SUPPORT IN LIVESTOCK FARMING FOR IMPROVED ANIMAL HEALTH, WELFARE AND GREENHOUSE GAS EMISSIONS: OVERVIEW AND CHALLENGES, Computers and Electronics in Agriculture, Volume 190, 2021, 106406, ISSN 0168-1699.	Q1, ScienceDirect	9	5.565
2	Popa, R.A.; Popa, D.C.; Mărginean, G.E.; Suci, G.; Bălănescu, M.; Paștea, D.; Vulpe, A.; Vochin, M.; Drăgulinescu, A.M. Hybrid Platform for Assessing Air Pollutants Released from Animal Husbandry Activities for Sustainable Livestock Agriculture. Sustainability 2021, 13, 9633. https://doi.org/10.3390/su13179633, WOS 000694541300001	ISI Q2	9	3.251
3	Suci, George, Mari-Anais Sachian, Alexandru Vulpe, Marius Vochin, Aristeidis Farao, Nikolaos Koutroumpouchos, and Christos Xenakis. 2021. "SealedGRID: Secure and Interoperable Platform for Smart GRID Applications" Sensors 21, no. 16: 5448. https://doi.org/10.3390/s21165448, WOS:000689771600001	ISI Q1	7	3.576

4	Andra Ciobanu, Eugen Borcoci, Marius Constantin Vochin, A Quality-of-Service Scenario Awareness for Use-Cases of Open Source Management and Control System Hub in Edge Computing, IEEE International Black Sea Conference on Communications and Networking, 24-28 May 2021, 10.1109/BlackSeaCom52164.2021.9527879	IEEE Xplore	3	0.25	10.83
5	Sorin Zoican, Marius Vochin, Roxana Zoican, Dan Galatchi, Neural Network-based Data Communication System in Internet of Vehicles, The 13th International Conference on Communications, June, 2020, Bucharest, WOS:000612723900044, ISBN:978-1-7281-5611-8, IEEE, 10.1109/COMM48946.2020.9142007	ISI, IEEE Xplore	4	0.25	8.13
6	George Suci, Cristiana Istrate, Mari-Anais Sachian, Alexandru Vulpe, Marius Vochin, Aristeidis Farao, Christos Xenakis, FI-WARE authorization in a Smart Grid scenario, The Global IoT Summit (GloTS2020), June 2020, IEEE, doi 10.1109/GIOTS49054.2020.9119589, WOS:000610926300016	ISI, IEEE Xplore	7	0.25	4.64
7	Sorin Zoican, Marius Vochin, Roxana Zoican, Dan Galatchi, Distributed Internet of Things Framework using Dual Core Blackfin Microcomputer, International Symposium on Electronics and Telecommunications 2020, ISETC'20, Timisoara, November 05 - 06 2020, IEEE	IEEE Explore	4	0.25	8.13
8	IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME), Pitesti, Romania, 2020, pp. 89-93, doi: 10.1109/SIITME50350.2020.9292196, WOS:000651085100016	E Explore, Spring	7	0.25	4.64
9	George Suci, Mari-Anais Sachian, Marius Dobrea, Cristiana-Ioana Istrate, Ana Lavinia Petrache, Alexandru Vulpe, Marius Vochin, Securing the Smart Grid: A Blockchain-based Secure Smart Energy System, 54th International Universities Power Engineering Conference - UPEC 2019, Bucharest, Romania, IEEE, 10.1109/UPEC.2019.8893484, WOS:000619338200027.	SI, IEEE Explore	7	0.25	4.64
10	L. Dobrescu, S. Obreja, M. Vochin, D. Dobrescu and S. Halichidis, "New Approaches for Quantifying Internet Activity," 2019 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2019, pp. 1-4. doi: 10.1109/EHB47216.2019.8969998, WOS:000558648300130, IEEE	SI, IEEE Explore	5	0.25	6.50
11	Vochin, Marius, Alexandru Vulpe, Marcu, Ioana, Suci, G. (2019). Low-power intelligent displaying system with indoor mobile location capability. FABULOUS 2019 - 4th EAI International Conference on Future Access Enablers of Ubiquitous and Intelligent Infrastructures. Sofia., SpringerLink WOS:000552334400015, 10.1007/978-3-030-23976-3_15	ISI, SpringerLink	4	0.25	8.13
12	Vochin, M.; Vulpe, A.; Boicescu, L.; Obreja, S.G.; Suci, G. An Intelligent Low-Power Displaying System with Integrated Emergency Alerting Capability. Sensors 2019, 19, 666, WOS:000459941200229.	ISI, Q1	5	3.576	26.46
13	George Suci, Mari-Anais Sachian, Marius Vochin, Marius Dobrea, Cristian Beceanu, Ana Petrache, Raluca Iosu, Blockchain applicability using Smart Power Management: SealedGrid Architecture, 2019 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), Bucharest, Romania, WOS 000550100400222, 10.1109/isgteurope.2019.8905680	SI, IEEE Explore	7	0.25	4.64
14	Vochin, M., Zoican, S., & Borcoci, E. (2017). Intelligent vehicle navigation system with assistance and alerting capabilities. Concurrency & Computation: Practice & Experience, WOS:000491414300018.	ISI, Q3	3	1.536	23.69
15	Zoican, S., Vochin, M., Zoican, R., & Galatchi, D. Blockchain and Consensus Algorithms in Internet of Things. 2018, International Symposium on Electronics and Telecommunications ISETC 2018 (pp. 1-4). DOI: 10.1109/isetc.2018.8583923, Timisoara, IEEE, WOS:000463031500039.	SI, IEEE Explore	4	0.25	8.13
16	Fading and Wi-Fi Communication Analysis using Ekahau Heatmapper George Suci, Alexandru Vulpe, Marius Vochin, Andreea Mitrea, Muneeb Anwarand, and Hussain Ijaz, EUC 2018 16th IEEE International Conference on Embedded and Ubiquitous Computing 29-31 October 2018, Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Romania, pp 145-149, DOI: 10.1109/euc.2018.00029, WOS:000458739600022.	SI, IEEE Explore	6	0.25	5.42
17	Things Using Blackfin Microcomputers Family and Visual Analytics Tools. In 2018 International Conference on Communications (COMM) (Vol. 747, pp. 115-120). Bucharest. WOS:000449526000020, https://doi.org/10.1109/ICComm.2018.8430121, ISBN: 978-1-5386-2350-3, IEEE	SI, IEEE Explore	4	0.25	8.13
18	Vulpe, A., Vochin, M., Boicescu, L., & Suci, G. (2017). Intelligent low-power displaying and alerting infrastructure for secure institutional networks. In 3rd EAI International Conference on Future Access Enablers of Ubiquitous and Intelligent Infrastructures OCTOBER 12-14, 2017 BUCHAREST, ROMANIA. Bucharest. 10.1007/978-3-319-92213-3_21, WOS:000481658200021.	ISI, SpringerLink	4	0.25	8.13
19	Vochin, M., & Al-Amily, H. (2017). Mobile Communication application for V2V Systems. In the 13-th International Symposium on Signals, Circuits and Systems. ISSCS 2017. Iasi, Romania. Retrieved from http://scs.etc.tuiasi.ro/isscs2017/, WOS:000425211500064, IEEE.	SI, IEEE Explore	2	0.25	16.25
20	Al-Amily, H., & Vochin, M. (2017). Practical Design of High Frequency Low Noise Amplifier using Ansys. In ECAI 2017 - International Conference - 9th Edition Electronics, Computers and Artificial Intelligence. Targoviste. Retrieved from http://ecai.ro/index.php, WOS:000425865900086, IEEE	ISI, IEEE Explor	2	0.25	16.25
21	Suci, G., Bezdedeau, L., Ganaside, A., & Vochin, M. (2017). Space technologies for disaster early warning and management. In International Black Sea Conference on Communications and Networking. Istanbul. Retrieved from http://blackseacom2017.ieee-blackseacom.org/, WOS:000427892400057, IEEE.	ISI, IEEE Explor	4	0.25	8.13
22	Suci, G., Scheianu, A., & Vochin, M. (2017). Disaster Early Warning using Time-Critical IoT on Elastic Cloud Workbench. In International Black Sea Conference on Communications and Networking. Retrieved from http://blackseacom2017.ieee-blackseacom.org/ WOS:000427892400056, ISBN:978-1-5090-5049-9, ISSN: 2375-8236, DOI: 10.1109/BlackSeaCom.2017.8277712EID: 2-s2.0-85050736478	ISI, IEEE Explor	3	0.25	10.83
23	Vochin, M., Vulpe, A., Suci, G., & Boicescu, L. (2017). Intelligent displaying and alerting system based on an integrated communications infrastructure and low-power technology. In WorldCist'17 - 5th World Conference on Information Systems and Technologies. Porto Santo Island, Madeira, Portugal, 11 - 13 April 2017, https://doi.org/10.1007/978-3-319-56538-5_14, ISBN 978-3-319-56538-5, WOS:000425541200014	ISI, SpringerLink	4	0.25	8.13
24	Vochin, M., Zoican, S., & Borcoci, E. (2017). Intelligent System for Vehicle Navigation Assistance. In WorldCist'17 - 5th World Conference on Information Systems and Technologies. Porto Santo Island, Madeira, Portugal, 11 - 13 April 2017, WOS:000425541200015.	ISI, SpringerLink	3	0.25	10.83

25	George Suciu, Marius Vochin, Alexandru Vulpe, O. F. (2016). Vehicular Mobile Data Collection Platform to Support the Development of Intelligent Transportation Systems. In 24th Telecommunications Forum TELFOR 2016. Belgrade. Retrieved from http://www.telfor.org.rs/ , DOI 10.1109/TELFOR.2016.7818753, WOS:000393491700043	ISI, IEEE Explor	4	0.25	8.13
26	Marius Vochin, Eugen Borcoci, Serban Georgica Obreja, Jordi Mongay Batalla, & Daniel Negru. (2016). Performance Analysis of an Adaptive Media Content Streaming System. In The 11th International Conference on COMMUNICATIONS COMM 2016. Bucharest. https://doi.org/10.1109/ICComm.2016.7528320 , WOS:000383221900032	ISI, IEEE Explor	5	0.25	6.50
27	Suciu, G., Butca, C., Conu, R., Suciu, V., Hristea, G., Vochin, M., & Todoran, G. (2016). Rapid Detection of Pesticide Residues based on Telemetry Platform. In International Symposium on Electronics and Telecommunications 2016. Timisoara. Retrieved from http://conference.etc.upt.ro/isetc2016/ , DOI 10.1109/ISETC.2016.7781065, WOS:000390717800022.	ISI, IEEE Explor	7	0.25	4.64
28	Radio: WiFi, iBeacon and ePaper. In 15th RoEduNet Conference: Networking in Education and Research. bucharest, WOS:000390713800050, DOI 10.1109/RoEduNet.2016.7753249, ISBN: 978-1-5090-5398-8, ISSN: 2247-5443.	ISI, IEEE Explor	5	0.25	6.50
29	Zoican, S., & Vochin, M. (2016). Computing system and network architectures in high frequency trading financial applications. In 2016 International Conference on Communications (COMM). Bucuresti, WOS:000383221900030, https://doi.org/10.1109/ICComm.2016.7528289 .	ISI, IEEE Explor	2	0.25	16.25
30	Zoican, S., Vochin, M., Zoican, R., & Galațchi, D. (2016). Lane Departure Warning System Implementation using the Blackfin Microcomputer. In 2016 12th IEEE International Symposium on Electronics and Telecommunications (ISETC). Timisoara. Retrieved from	ISI, IEEE Explor	4	0.25	8.13
31	Media Aware Network Element Data Plane Performance Evaluation. Marius Vochin, Eugen Borcoci, Gustavo Carneiro. 2014, The Scientific Bulletin, Series C, University POLITEHNICA of Bucharest, ISSN (print): 2286-3540 / (online): 2286-3559, WOS:000421805200007	ESCI, ISI	3	0.365	11.98
32	Embedded Content Aware Router Implementation using the Blackfin Microcomputer, Sorin Zoican, Marius Vochin, Roxana Zoican, Dan Galatchi, International Symposium on Electronics and Telecommunications ETC 2014, Eleventh Edition, IEEE conference #33953., WOS:000366633300051.	ISI, IEEE Explor	4	0.25	8.13
33	On Implementing Packet Inspection using CUDA Enabled Graphical Processing Units. Sorin Zoican, Marius Vochin. Bucharest, COMM 2014 International Conference, 2014, pp. 1 – 6, INSPEC Accession Number 14484810, WOS:000345844600005, IEEE	ISI, IEEE Explor	2	0.25	16.25
34	Niculescu, Mihai Stanciu. Bucharest, 2012. 20th European Signal Processing Conference EUSIPCO 2012. pg. 2213-2217, ISSN: 2219-5491, ISBN: 978-1-4673-1068-0, WOS:000310623800445, IEEE	ISI, IEEE Explor	4	0.25	8.13
35	LwIP Stack Protocol For Embedded Sensors Network, Sorin Zoican, Marius Vochin, COMM 2012 International Conference, Bucharest, pp. 221 – 224, Print ISBN: 978-1-4577-0057-6, WOS:000307808200051, IEEE	ISI, IEEE Explor	2	0.25	16.25
36	Implementation of a Media Aware Network Element for Content Aware Networks. Dragoș S. Niculescu, Mihai Stanciu, Marius Vochin, Eugen Borcoci. Budapest, Hungary, April 17-22, 2011, The Fourth International Conference on Communication Theory, Reliability, and Quality of Service, pp 2213 – 2217, ISSN: 2308-4022, ISBN: 978-1-61208-126-7, WOS:000395118200014.	ISI	4	0.25	8.13
Nr.crt.	A2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI) [20 / nr. de autori]	Baza de date	Nr. Autori		Punctaj
1	George Suci, Cristiana Istrate, Mari-Anais Sachian, Alexandru Vulpe, Marius Vochin, FI-WARE based authorization for a smart grid's scalable, trusted, and interoperable platform - Practical Experience Report, The 15th International Conference on Critical Information Infrastructures Security 2020 CRITIS, September 2020, Bristol, UK.		5		6.67
2	Eugen Borcoci, Marius Vochin, Serban Georgica Obreja, On Systematic Identification of Requirements for Vehicle-to-Everything 5G Slices, The Tenth International Conference on Mobile Services, Resources, and Users, held in Lisbon, Portugal during September 27 - October 01, 2020 - Best paper award		3		2.86
3	Eugen Borcoci, Marius Vochin, Serban Georgica Obreja, On Business Models for Vehicle-to-Everything Systems Based on 5G Slicing, The Sixteenth International Conference on Networking and Services ICNS 2020, September, 2020, Lisbon, Portugal		3		4.00
4	George Suci, Cristiana-Ioana Istrate, Alexandru Vulpe, Mari-Anais Sachian, Marius Vochin, Attribute-based Access Control for Secure and Resilient Smart Grids, 6th International Symposium for ICS & SCADA Cyber Security Research 2019, Athens, Greece		5		4.00
5	Borcoci, E., Vochin, M., & Obreja, S. (2018). Mobile Edge Computing versus Fog Computing in Internet of Vehicles. In The Tenth International Conference on Advances in Future Internet AFIN 2018. Venice, Italy: IARIA. Retrieved from https://www.aria.org/conferences2018/ProgramAFIN18.html , pp 8-15, ISSN 2308-4340.		3		6.67
6	Zoican, S., Vochin, M., Zoican, R., & Galațchi, D. (2018). Face detection in internet of things using blackfin microcomputers family. In Advances in Intelligent Systems and Computing (Vol. 747, pp. 128–135). https://doi.org/10.1007/978-3-319-77700-9_13	SpringerLink	4		5.00
7	Boicescu, L., Vochin, M., Vulpe, A., & Suci, G. (2018). Intelligent low-power displaying and alerting infrastructure for smart buildings. In Advances in Intelligent Systems and Computing (Vol. 747, pp. 136–145). https://doi.org/10.1007/978-3-319-77700-9_14	SpringerLink	4		5.00
8	Suciu, G., Scheianu, A., Bălăceanu, C. M., Petre, I., Dragu, M., Vochin, M., & Vulpe, A. (2018). Sensors fusion approach using UAVs and body sensors. Advances in Intelligent Systems and Computing (Vol. 747). https://doi.org/10.1007/978-3-319-77700-9_15	opus, SpringerL	7		2.86
9	Borcoci, E., Obreja, S. G., & Vochin, M. C. (2018). Functional Layered Architectures and Control Solutions in Internet of Vehicles-Comparison. International Journal on Advances in Internet Technology 11(1&2), 11(1&2), 31–43, ISSN: 1942-2652.		3		6.67
10	Borcoci, E., Obreja, S., & Vochin, M. (2017). Internet of Vehicles Functional Architectures - Comparative Critical Study. The Ninth International Conference on Advances in Future Internet AFIN 2017, September 10 - 14, 2017 - Rome, Italy, Best Paper Award, ISSN: 2308-4340, ISBN: 978-1-61208-583-8.		3		6.67

11	Borcoci, E., Ambarus, T., & Vochin, M. (2017). Distributed Control Plane Optimization in SDN-Fog VANET. In The International Symposium on Advances in Software Defined Networking and Network Functions Virtualization. Venice: IARIA. Retrieved from https://www.iaria.org/conferences2017/SOFTNETWORKING.html	3		6.67
12	Eugen Borcoci, Tudor Ambarus, M. Vochin. (2016). Multi-criteria based Optimization of Placement for Software Defined Networking Controllers and Forwarding Nodes. In The Fifteenth International Conference on Networks ICN 2016. Lisbon: IARIA.	3		6.67
13	Borcoci, E., Vochin, M., Constantinescu, M., Batalla, J. M., & Negru, D. (2015). Server and Path Selection in a Light Architecture Content Streaming System with Dual Adaptation. INTERNATIONAL JOURNAL ON ADVANCES IN NETWORKS AND SERVICES · JANUARY 2015, NetSer15v8(n12), 92–105.	5		4.00
14	Management System Scalability Evaluation in Multi-domain Content Aware Networks, Eugen Borcoci, Mihai Constantinescu, Marius Vochin, International Journal On Advances in Networks and Services, vol. 7 nr. 3&4 2014, issn: 1942-2644.	3		6.67
15	Serban Georgica Obreja, Radu Iorga, Eugen Borcoci, Cristian Cernat, Marius Vochin, Jordi Mongay Batalla, Daniel Negru, J. B.-Q. (2016). Over the Top Content Streaming Adaptive System-Implementation and Validation. In The Ninth International Conference on Communication Theory, Reliability, and Quality of Service CTRQ 2016. Lisbon: IARIA.	7		2.86
16	Borcoci, E., Iorga, R., Vochin, M., & Negru, D. (2015). Design of a Flexible Over the Top Content Streaming System with Dual Adaptation. International Journal On Advances in Telecommunications, 8(3&4), 215–226.	4		5.00
17	Borcoci, E., Ambarus, T., & Vochin, M. (2015). On Multi-controller Placement Optimization in Software Defined Networking - based WANs. In The Fourteenth International Conference on Networks ICN 2015 (pp. 261–266). Retrieved from https://www.thinkmind.org/download.php?articleid=icn_2015_11_40_96028	3		6.67
18	Lidia Dobrescu, Armand Ropot, Cezar Plesca, Marius Vochin, S. S. (2015). Implementing a New System for Recording the Effective Doses for Patients Investigated by Radiological Imaging Investigations. In Innovation and Sustainability International Scientific Conference Interdisciplinary approach of innovation as a progress factor (pp. 5–9). Bucharest: Editura Niculescu. https://doi.org/ISSN 2501-6695	5		4.00
19	Multi-controller Scalability in Multi-domain Content Aware Networks Management. Eugen Borcoci, Mihai Constantinescu, Marius Vochin. Chamonix, France, The Tenth International Conference on Networking, ICNS 2014, pp. 62-68, ISSN: 2308-4006, ISBN: 978-1-61208-330-8.	3		6.67
20	On Server and Path Selection Algorithms and Policies in a light Content-Aware Networking Architecture, Eugen Borcoci, Marius Vochin, Mihai Constantinescu, Jordi Mongay Batalla, Daniel Negru, 2014 International Conference on Networks & Soft Computing (ICNSC), Nice, France, ISSN: 2163-9027, ISBN: 978-1-61208-368-1	5		4.00
21	Quality of Service Assurance in Multi-domain Content-Aware Networks for Multimedia Applications. Marius Vochin, Eugen Borcoci, Serban Georgica Obreja, Cristian Cernat, Radu Badea, Vlad Poenaru, Seville, Spain, 2014, The Sixth International Conference on Evolving Internet, pp. 9-14, INTERNET 2014, ISSN: 2308-443X, ISBN: 978-1-61208-349-0.	6		3.33
Nr.crt.	A2.3.1 Brevete de inventie internationale [35/numar autori]			
Nr.crt.	A2.3.2 Brevete de inventie nationale [25/numar autori]			
Nr.crt.	A2.4.1.1 Granturi sau proiecte câștigate prin competiție în calitate de director sau responsabil contract - internaționale [20*ani de desfășurare]		Nr.ani	
Nr.crt.	A2.4.1.2 Granturi sau proiecte câștigate prin competiție în calitate de director sau responsabil contract - naționale [10*ani de desfășurare]		Nr.ani	
1	Project leader al "A Massive MIMO Enabled IoT Platform with Networking Slicing for Beyond 5G IoT/V2X and Maritime Services" – SOLID-B5G, Norway Grants 2014-2021, Project contract no. 42/2021, grant RO-NO-2019-0499, 1,2 M euros budget, 7 parteneri.	3		30.00
2	UEFISCDI PN-III-P2-2.1-CI-2018-1562 "Sistem inteligent de monitorizare a coloniilor de albine" (Intelligent Hive Colony Monitoring System- SIMCA), Nr. Contract 270CI/2018.	1		10.00
3	UEFISCDI PN-III-P2-2.1-BG-2016-0475 grant nr. 60BG/2016 "Intelligent communications system based on integrated infrastructure, with dynamic display and alerting - SICIAD", competitia Bridge Grant (Transfer de cunoastere la agentul economic), 2016-2018.	2		20.00
4	Project leader al proiectului de cercetare "Intelligent Navigation Assistance System", Contract nr. 101/26.09.2016 (acronym: SIAN), finantat prin programul "Excellence Research Grants", UPB – GEX. Identifier: UPB–EXCELENȚĂ–2016, 2016-2017.	1		10.00
Nr.crt.	A2.4.2.1 Granturi sau proiecte câștigate prin competiție în calitate de membru în echipă - internaționale [4*ani de desfășurare]		Nr.ani	
1	PREdictive maintenance for Valuable ENergy efficiency acTIONS, Call name: P 3 - SP 3.5 - Proiecte EUREKA Tradițional (Network), EUREKA-Cluster, Eurostars, PN-III-P3-3.5-EUK-2019-0247 2021- 2023, valoare totala contract 2.041.880,00 lei, Project partners: SOCIETATEA DE INGINERIE SISTEME * SIS S.A. (RO); BEIA CONSULT INTERNATIONAL S.R.L. (RO)	3		16.00
2	Smart ai based storage system, ERANET-REGSYS-AISTOR, 2020-2023, total buget 1.210.001,00 RON, Coordinator: BEIA CONSULT INTERNATIONAL	3		16.00
3	Membru in echipa de implementare a proiectului FarmSustainaBI nr. 119/2019, ERA-NET ERA-GAS / ICT-AGRI / SusAn joint call, 2019-2022, BEAM Innovation S.R.L.	4		16.00
4	SealedGrid nr. 777996, H2020-EU.1.3.3. – Stimulating innovation by means of cross-fertilisation of knowledge, 2018-2021, Total cost: EUR 1 080 000, Scalable, trustEd, and interoperAble pLatform for sEcurED smart GRID	3		16.00
5	Membru proiect European Celtic-Plus CLOUDBOOK - A Cloud-aware distributed parallel compiler, ID: C2016/2-4, Budget (total): 3707 K€, Effort: 53.7 PY, 2018-2020, 7 parteneri.	3		12.00
6	"Radiowave propagation in heterogeneous media: implications on the electronics of Cosmic Neutrino Detectors" - ERC 2016 Starting Grants, 24 luni, coordinator dr. ing. Alina Badescu.	2		8.00
7	Proiectul european CHIST-ERA, „Service and user-based Distributed Selection of content streaming source and Dual Adaptation” (DISEDAN), contract nr. 3_CHIST-ERA/06.01.2014, director de proiect prof. dr. ing. Eugen Borcoci.	2		8.00

8	Proiectul european FP7, "MediA Ecosystem DepLoyment Through Ubiquitous Content-Aware NeTwork Environments" (ALICANTE) grant nr. 248652 , 2010-2013, director de proiect prof. dr. ing. Eugen Borcoci.		4		16.00
9	Proiectul european FP6-IP, "End-to-End QoS through Integrated Management of Content, Networks and Terminals", (ENTHRONE II), Nr. 038463, 2006-2008, director de proiect prof. dr. ing. Eugen Borcoci.		3		12.00
Nr.crt.	A2.4.2.2 Granturi sau proiecte câștigate prin competiție în calitate de membru în echipă - naționale [2*ani de desfășurare]		Nr.ani		
1	"Creșterea competitivității inovative a SC AdNet Market Media prin investiții inițiale de inovare, în scopul realizării unei platforme tehnologice SmartDelta, în cadrul unei unități nou înființate pentru realizarea activităților CD în colaborare efectivă" (SmartDelta), Cod SMIS 2014+:121884, POC nr. 279/25.06.2020		2		4.00
2	Postdoctoral research grant „Dezvoltarea competențelor de antreprenoriat ale doctoranzilor și postdoctoranzilor – cheie a succesului în carieră (A-Succes)", POCU 380/6/13, contract nr. 51675/09.07.2019 - cod SMIS: 125125, 2019-2021.		2		4.00
3	Membru proiect - Tehnologii pentru rețele și servicii de comunicații din generația a 5-a, Orange Romania, 13930/14/08/2018, 2018, 3 luni, parteneri Orange Romania și UPB		1		2.00
4	Membru echipa proiect Mediu Inteligent pentru Locuința Asistată Folosind Unde RADIO, coordonator dr. ing. Alexandru Tatomirescu, GNaC2018 ARUT.		2		4.00
5	PaSS-IoT - nr contract EL07.16.11, UPB-EXCELENȚĂ-2016, coord. Vulpe Alexandru		1		2.00
6	Proiectul național UEFISCDI, „New Innovative System for Radiation Safety of Patients Investigated by Radiological Imaging Methods, based on Smart Cards and PKI Infrastructures" (SRSPIRIM), contract Nr187/2012 , director de proiect conf. dr. ing. Lidia Dobrescu		4		8.00
7	Proiectul național OI POSDRU PRACSIS – „Parteneriat pentru o carieră de succes în domeniul securității informațiilor și a sistemelor informatice", nr 135813, director de proiect Prof. dr. ing. Petru-Lucian MILEA		2		4.00
8	Proiectul national POSDRU/90/2.1/S/62591 "Practicanții de azi, profesioniștii de mâine ai televiziunilor!", coordonator proiect: Prof. dr. ing. Corneliu BURILEANU		3		6.00
Total A2				25.37	714.4
A3 - Recunoașterea și impactul activității					
A3.1.1 Citări în cărți, reviste și volume ale unor manifestări științifice - cărți, ISI [cărți/ISI = 8 / nr. Autori articol citat]					
		Q	Nr. Autori articol citat		Punctaj
Articol citat	Suciu, George, Mari-Anais Sachian, Alexandru Vulpe, Marius Vochin, Aristeidis Farao, Nikolaos Koutroumpouchos, and Christos Xenakis. 2021. "SealedGRID: Secure and Interoperable Platform for Smart GRID Applications" Sensors 21, no. 16: 5448. https://doi.org/10.3390/s21165448 , WOS:000689771600001	ISI Q1			
1	Krause, T.; Ernst, R.; Klaer, B.; Hacker, I.; Henze, M. Cybersecurity in Power Grids: Challenges and Opportunities. Sensors 2021, 21, 6225. https://doi.org/10.3390/s21186225	ISI Q1	7		2.28571
Articol citat	L. Dobrescu, S. Obreja, M. Vochin, D. Dobrescu and S. Halichidis, "New Approaches for Quantifying Internet Activity," 2019 E-Health and Bioengineering Conference (EHB), Iasi, Romania, 2019, pp. 1-4. doi: 10.1109/EHB47216.2019.8969998, WOS:000558648300130.	ISI, IEEE			
1	Lisiecki A., Król D. (2020) Internet Advertising Strategy Based on Information Growth in the Zettabyte Era. In: Hernes M., Wojtkiewicz K., Szczerbicki E. (eds) Advances in Computational Collective Intelligence. ICCCI 2020. Communications in Computer and Information Science, vol 1287. Springer, Cham. https://doi.org/10.1007/978-3-030-63119-2_36	Springer	5		1.60
Articol citat	George Suciu, Cristiana-Ioana Istrate, Alexandru Vulpe, Mari-Anais Sachian, Marius Vochin, Attribute-based Access Control for Secure and Resilient Smart Grids, 6th International Symposium for ICS & SCADA Cyber Security Research 2019, Athens, Greece citat de				
1	Decentralized Identifier in the Blockchain-Based Energy Transaction Platform," 2021 International Conference on Information Networking (ICOIN), Jeju Island, Korea (South), 2021, pp. 845-848, doi: 10.1109/ICOIN50884.2021.9333894, IEEE	IEEE	5		1.60
2	Yagnik A. Rathod, Dr. Chetan B. Kotwal, Dr. Sohil D. Pandya, "An ABAC Based Policy Definement for Enriching Access Control in Cloud", International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), ISSN : 2456-3307, Volume 5 Issue 1, pp. 586-592, January-February 2019, doi: https://doi.org/10.32628/CSEIT2062125		5		0.80
3	Y. Zhang, M. Yutaka, M. Sasabe and S. Kasahara, "Attribute-Based Access Control for Smart Cities: A Smart-Contract-Driven Framework," in IEEE Internet of Things Journal, vol. 8, no. 8, pp. 6372-6384, 15 April 15, 2021, doi: 10.1109/JIOT.2020.3033434.	IEEE Explore	5		3.20
4	Cristina Alcaraz, Juan E. Rubio, Javier Lopez, Blockchain-assisted access for federated Smart Grid domains: Coupling and features, Journal of Parallel and Distributed Computing, 2020, ISSN 0743-7315, https://doi.org/10.1016/j.jpdc.2020.05.012	Q2	5		3.20
5	Nakamura, Y.; Zhang, Y.; Sasabe, M.; Kasahara, S. Exploiting Smart Contracts for Capability-Based Access Control in the Internet of Things. Sensors 2020, 20, 1793, https://doi.org/10.3390/s20061793 .	Q1	5		3.20
Articol citat	Eugen Borcoci, Tudor Ambarus, M. Vochin. (2016). Multi-criteria based Optimization of Placement for Software Defined Networking Controllers and Forwarding Nodes. In The Fifteenth International Conference on Networks ICN 2016. Lisbon: IARIA, ISSN: 2308-4413, ISBN: 978-1-61208-450-3				
1	Kumari, A, Sairam, AS. Controller placement problem in software-defined networking: A survey. Networks. 2021; pp 1– 29. https://doi.org/10.1002/net.22016 ISSN 0028-3045	Q1	3		5.33
2	T. Das, V. Sridharan and M. Gurusamy, "A Survey on Controller Placement in SDN," in IEEE Communications Surveys & Tutorials, vol. 22, no. 1, pp. 472-503, Firstquarter 2020, doi: 10.1109/COMST.2019.2935453	Q1, IEEE	3		5.33
Articol citat	Borcoci, E., Vochin, M., & Obreja, S. (2018). Mobile Edge Computing versus Fog Computing in Internet of Vehicles. In The Tenth International Conference on Advances in Future Internet AFIN 2018. Venice, Italy: IARIA. Retrieved from https://www.aria.org/conferences2018/ProgramAFIN18.html , pp 8-15, ISSN 2308-4340.				

1	L. Dong, Q. Ni, W. Wu, C. Huang, T. Znati and D. Z. Du, "A Proactive Reliable Mechanism Based Vehicular Fog Computing Network," in IEEE Internet of Things Journal, doi: 10.1109/JIOT.2020.3007608.	Q1, IEEE	3	5.33
2	Yahiatene, Y, Rachedi, A, Riahala, MA, Menacer, DE, Nait-Abdesselam, F. A blockchain-based framework to secure vehicular social networks. Trans Emerging Tel Tech. 2019;e3650. https://doi.org/10.1002/ett.3650, ISI Q2	Q2	3	5.33
3	Zaheer, Tayyaba & Malik, Asad & Rahman, Anis & Zahir, Ayesha & Fraz, Muhammad. (2019). A Vehicular Network-based Intelligent Transport System for Smart Cities Journal Title XX(X):1-11. International Journal of Distributed Sensor Networks. 15. DOI 10.1177/1550147719888845.	Scopus	3	2.67
4	Mendiboure L, Chalouf MA, Krief F. Edge computing based applications in vehicular environments: Comparative study and main issues. JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY 34(4): 869–886 July 2019. DOI 10.1007/s11390-019-1947-3	Springer	3	2.67
5	Malik, Asad. (2019). A Vehicular Network-based Intelligent Transport System for Smart Cities Journal Title XX(X):1-11. International Journal of Distributed Sensor Networks. 15. 10.1177/1550147719888845.	Q2	3	5.33
	Borcoci, E., Obreja, S., & Vochin, M. (2017). Internet of Vehicles Functional Architectures - Comparative Critical Study. The Ninth International Conference on Advances in Future Internet AFIN 2017, September 10 - 14, 2017 - Rome, Italy, Best Paper Award, ISSN: 2308-4340, ISBN: 978-1-61208-583-8.			
1	Hichri, Y., Dahi, S. & Fathallah, H. Candidate architectures for emerging IoV: a survey and comparative study. Des Autom Embed Syst (2021), Springer. https://doi.org/10.1007/s10617-021-09249-7	Springer	3	5.33
2	Ali E.S., Hassan M.B., Saeed R.A. (2021) Machine Learning Technologies in Internet of Vehicles. In: Magaia N., Mastorakis G., Mavromoustakis C., Pallis E., Markakis E.K. (eds) Intelligent Technologies for Internet of Vehicles. Internet of Things (Technology, Communications and Computing). Springer, Cham. https://doi.org/10.1007/978-3-030-76493-7_7	Springer	3	5.33
3	Mendiboure, L., Chalouf, M.A. and Krief, F. (2021). Toward New Intelligent Architectures for the Internet of Vehicles In Intelligent Network Management and Control: Intelligent Security, Multi-criteria Optimization, Cloud Computing, Internet of Vehicles, Intelligent Radio, Badr Benmammar, 2021, ISBN : 9781789450088, ISTE, WILEY, https://doi.org/10.1002/9781119817840.ch8	WILEY	3	5.33
4	Garg, S., Mehrotra, D., Pandey, H.M. et al. Accessible review of internet of vehicle models for intelligent transportation and research gaps for potential future directions. Peer-to-Peer Netw. Appl. (2021), Springer. https://doi.org/10.1007/s12083-020-01054-6	Q2	3	5.33
5	Settouti, Ahmed Khalid Yassine. (2020). Sélection des services Cloud Computing: apport des méthodes intelligentes, ISTE Editions.		3	2.67
6	Mendiboure, Léo. (2020). Distribution géographique de données dans l'Internet des Véhicules: une approche logicielle et sécurisée utilisant les réseaux cellulaires. 10.13140/RG.2.2.34868.68481.		3	1.33
7	Mendiboure, Léo & Chalouf, Mohamed & Krief, Francine. (2020). Vers de nouvelles architectures intelligentes pour l'Internet des véhicules, , In book: Gestion et contrôle intelligents des réseauxPublisher: Iste, ISBN 9781789480085.		3	2.67
8	Mamadou Mamadou, A., Toussaint, J. & Chalhoub, G. Survey on Wireless Networks Coexistence: Resource Sharing in the 5G Era. Mobile Netw Appl (2020). https://doi.org/10.1007/s11036-020-01564-w, Springer	Q2, Springer	3	5.33
9	S. S. Vladimirov, D. A. Karavaev, A. B. Stepanov, M. A. Yurchenko and A. G. Vladko, "An Application of LoRa Technology for SD-IoV Network," 2019 11th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT), Dublin, Ireland, 2019, pp. 1-4. doi: 10.1109/ICUMT48472.2019.8970938	IEEE	3	2.67
10	Mendiboure, Léo & Chalouf, Mohamed & Krief, Francine. (2019). Towards a 5G vehicular architecture, Communication Technologies for Vehicles 14th International Workshop, Nets4Cars/Nets4Trains/Nets4Aircraft 2019, Colmar, France, May 15–17, 2019, Springer Proceedings	Springer	3	2.67
11	Kamble, Shridevi & Kounte, Manjunath R. (2019). Routing and Scheduling Issues in Vehicular Adhoc Networks. International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-3, September 2019 10.35940/ijrte.C5168.098319.		3	2.67
Articol citat	Zoican, S., Vochin, M., Zoican, R., & Galatchi, D. Blockchain and Consensus Algorithms in Internet of Things. 2018, International Symposium on Electronics and Telecommunications ISETC 2018 (pp. 1–4). DOI: 10.1109/isetc.2018.8583923, Timisoara			
1	Alam, T. Blockchain cities: the futuristic cities driven by Blockchain, big data and internet of things. GeoJournal (2021). https://doi.org/10.1007/s10708-021-10508-0 Springer	Springer	4	4.00
2	Singh S.K., Manjhi P.K., Tiwari R.K. (2021) Cloud Computing Security Using Blockchain Technology. In: Agrawal R., Gupta N. (eds) Transforming Cybersecurity Solutions using Blockchain. Blockchain Technologies. Springer, Singapore. https://doi.org/10.1007/978-981-33-6858-3_2	Springer	4	4.00
3	S. Vári-Kakas, O. Poszet, A. Mirela Pater, E. Valentina Moisi and A. Vári-Kakas, "Issues Related to the Use of Blockchains in IoT Applications," 2021 16th International Conference on Engineering of Modern Electric Systems (EMES), 2021, pp. 1-4, doi: 10.1109/EMES52337.2021.9484103.	IEEE	4	2.00
4	Babu, Murali & Radhika, K & Saravanan, T & Periasamy, J. (2021). Assessment of the Effects of Blockchain Based Protection in Network Performance. Journal of Physics: Conference Series. 1964. 042077. 10.1088/1742-6596/1964/4/042077.	Scopus	4	1.00
5	Ankur Lohachab, Saurabh Garg, Byeong Kang, Muhammad Bilal Amin, Junmin Lee, Shiping Chen, and Xiwei Xu. 2021. Towards Interconnected Blockchains: A Comprehensive Review of the Role of	Q1, ACM	4	4.00
6	Jain S., Shukla A., Srivastava K. (2021) When Distributed Ledger Technology Meets Traditional Payment Systems—Benefits and Challenges. In: Singh B., Coello Coello C.A., Jindal P., Verma P. (eds) Intelligent Computing and Communication Systems. Algorithms for Intelligent Systems.	Springer	4	2.00
7	Wang, D., Wang, H. & Fu, Y. Blockchain-based IoT device identification and management in 5G smart grid. J Wireless Com Network 2021, 125 (2021)., Springer, https://doi.org/10.1186/s13638-021-01966-8	Springer	4	2.00
8	Mallorquí, A., Zaballos, A. A Heterogeneous Layer-Based Trustworthiness Model for Long Backhaul NVIS Challenging Networks and an IoT Telemetry Service for Antarctica. Sensors 2021,	Q1	4	4.00
9	Aggarwal, Alankrita, Shivani Gaba, and Mamta Mittal. "A Comparative Investigation of Consensus Algorithms in Collaboration with IoT and Blockchain." Transforming Cybersecurity Solutions Using Blockchain: 115, Springer, ISBN: 9789813368583, https://doi.org/10.1007/978-981-33-6858-3	Springer	4	2.00

10	Rama, Ranjith Kumar. (2021). Overview of Blockchain Technology: Consensus Algorithms, Applications. 10.13140/RG.2.2.17450.75205.		4		1.00
11	SHARMA, VISHAL, and NIRANJAN LAL. "A NOVEL COMPARISON OF CONSENSUS ALGORITHMS IN BLOCKCHAIN." (nov 2020), Advances and Applications in Mathematical Sciences, Volume 20, Issue 1, November 2020, Pages 1-13, ESCI, ISSN 0974-6803	ESCI	4		2.00
12	Asif, R.; Ghanem, K.; Irvine, J. Proof-of-PUF Enabled Blockchain: Concurrent Data and Device Security for Internet-of-Energy. Sensors 2021, 21, 28	Q1	4		4.00
13	Emam, Osama, Hanan Fahmy, and Menna Mamdouh. "Securing IoT Systems using Blockchain Algorithms", Communications on Applied Electronics (CAE) – ISSN: 2394-4714, Foundation of Computer Science FCS, New York, USA, Volume 7– No. 34, September 2020		4		1.00
14	de Wen Y., Lu F., Liu Y., Cong P., Huang X. (2020) Blockchain Consensus Mechanisms and Their Applications in IoT: A Literature Survey. In: Qiu M. (eds) Algorithms and Architectures for Parallel	Springer, Scopus	4		2.00
15	Eigelshoven, Felix; Ullrich, André; and Bender, Benedict, "PUBLIC BLOCKCHAIN – A SYSTEMATIC LITERATURE REVIEW ON THE SUSTAINABILITY OF CONSENSUS ALGORITHMS" (2020). Research Papers . 202. https://aisel.aisnet.org/ecis2020_rp/202	AIS	4		1.00
16	Tanwar, Sudeep. (2020). A Survey on Decentralized Consensus Mechanisms for Cyber Physical Systems. IEEE Access	Q2, IEEE	4		4.00
17	Wan L., Eysers D., Zhang H., (2019) Evaluating the impact of network latency on the safety of blockchain transactions, Proceedings - 2019 2nd IEEE International Conference on Blockchain, Zhang J., Zhai J., Yang R., Liu S. (2020) Research on Enterprise DNS Security Scheme Based on Blockchain Technology. In: Zheng Z., Dai HN., Tang M., Chen X. (eds) Blockchain and Trustworthy	IEEE	4		2.00
18	Zhao, Liangrong & Yu, Jiangshan. (2019). Evaluating DAG-Based Blockchains for IoT. 507-513. 10.1109/TrustCom/BigDataSE.2019.00074, IEEE.	IEEE	4		2.00
19	Ra, Mythili, and Revathi Venkataramanb. "State-of-the-Art: Blockchain Security, Data Access Control and Consensus." Emerging Trends in Artificial Intelligence for Internet of Things, ISBN 9789389640083 Vol 1, International Virtual Conference on Artificial Intelligence for IoT 2019.		4		2.00
20	Blockchain Integration: Use Cases and Implementation Challenges. In: Abramowicz W., Corchuelo R. (eds) Business Information Systems Workshops. BIS 2019. Lecture Notes in Business Information Processing, vol 373. Springer, Cham, 10.1007/978-3-030-36691-9_25.	Springer	4		2.00
21	Wróna, Konrad, and Michał Jarosz. "Use of blockchains for secure binding of metadata in military applications of IoT.", 2019 IEEE 5th World Forum on Internet of Things (WF-IoT).	IEEE	4		2.00
22	Suciu, G., Bezdedeanu, L., Ganaside, A., & Vochin, M. (2017). Space technologies for disaster early warning and management. In International Black Sea Conference on Communications and				
Articol citat	Pirzada, Jahanzeb & Murtaza, Abid & Xu, Tongge & Liu, Jianwei. (2019). Disaster Management Using IP-Based Space-Air-Ground Information Network, IEEE ICUS 2019, Beijing, China.	IEEE	4		2.00
1	Fading and Wi-Fi Communication Analysis using Ekahau Heatmapper George Suciu, Alexandru Vulpe, Marius Vochin, Andreea Mitrea, Muneeb Anwarand, and Hussain Ijaz, EUC 2018 16th IEEE				
Articol citat	Surur, Mochammad & Surantha, Nico. (2019). Performance Evaluation of Dense Wi-Fi Network Based on Capacity Requirement. 466-471. 10.1109/ICIMTech.2019.8843775, IEEE Xplore, Scopus.	IEEE, Scopus	6		1.33
1	Suciu, G., Scheianu, A., & Vochin, M. (2017). Disaster Early Warning using Time-Critical IoT on Elastic Cloud Workbench. In International Black Sea Conference on Communications and				
Articol citat	Goyal, H. R., K. K. Ghanshala, and S. Sharma. "Cloud-based fully automated domestic wastewater disposal system in flood-affected urban cities." In Smart Computing: Proceedings of the 1st International Conference on Smart Machine Intelligence and Real-Time Computing (SmartCom 2020), 26-27 June 2020, Pauri, Garhwal, Uttarakhand, India, p. 90. CRC Press, 2021.		3		2.67
1	Gonçalves, S., Cortez, P. & Moro, A deep learning classifier for sentence classification in biomedical and computer science abstracts, S. Neural Comput & Applic (2019). https://doi.org/10.1007/s00521-019-04334-2 , ISI Q1	Q1	3		5.33
2	Banijamali, Ahmad & Kuvaja, Pasi & Oivo, Markku. (2020). Software Architectures of the Convergence of Cloud Computing and the Internet of Things: A Systematic Literature Review. Information and Software Technology. 10.1016/j.infsof.2020.106271.	Q1	3		5.33
3	George Suciu, Mari-Anais Sachian, Marius Dobrea, Cristiana- Ioana Istrate, Ana Lavinia Petrache, Alexandru Vulpe, Marius Vochin, Securing the Smart Grid: A Blockchain-based Secure Smart	IEEE			
Articol citat	Llaria, A.; Dos Santos, J.; Terrasson, G.; Boussaada, Z.; Merlo, C.; CUREA, O. Intelligent Buildings in Smart Grids: A Survey on Security and Privacy Issues Related to Energy Management. Energies 2021, 14, 2733. https://doi.org/10.3390/en14092733	Q2	7		2.29
1	Furqan Shahid, Abid Khan, Kim-Kwang Raymond Choo, Saif Ur Rehman Malik, WOTS-S: A Quantum Secure Compact Signature Scheme for Distributed Ledger, May 2020, Information Sciences	Q1	7		2.29
2	Y. Ren, Q. Zhao, Haipeng Guan and Z. Lin, "On Design of Single-layer and Multilayer Code-Based Linkable Ring Signatures," in IEEE Access, doi: 10.1109/ACCESS.2020.2967789	Q2	7		2.29
3	Vochin, M., Vulpe, A., Suciu, G., & Boicescu, L. (2017). Intelligent displaying and alerting system based on an integrated communications infrastructure and low-power technology. In WorldCist'17 -				
Articol citat	Seokhwan Kim. (2020). ILOCAT: an Interactive GUI Toolkit to Acquire 3D Positions for Indoor Location Based Services. Journal of the Korea Institute of Information and Communication Engineering, 24(7), 866-872.		4		2.00
1	Yang, J., Poellabauer, C., Mitra, P., Neubecker, C., Beyond beaconing: Emerging applications and challenges of BLE, (2020) Ad Hoc Networks, 97, art. no. 102015, DOI: 10.1016/j.adhoc.2019.102015, ISSN: 15708705.	Q1	4		4.00
2	Borcoci, E., Ambarus, T., & Vochin, M. (2017). Distributed Control Plane Optimization in SDN-Fog VANET. In The International Symposium on Advances in Software Defined Networking and				
Articol citat	J. Das, V. Sridharan and M. Gurusamy, "A Survey on Controller Placement in SDN," in IEEE Communications Surveys & Tutorials, vol. 22, no. 1, pp. 472-503, Firstquarter 2020, doi: https://doi.org/10.1109/COMST.2020.3591217	Q1	3		5.33
1	Amf, M.; Wang, G.; Geman, O.; Balas, V.E.; Tao, P.; Brezilianu, A.; Chen, J. SDN-Based VANETs, Security Attacks, Applications, and Challenges. Appl. Sci. 2020, 10, 3217.	Q2	3		5.33
2	Nkenyereye, L.; Nkenyereye, L.; Tama, B.A.; Reddy, A.G.; Song, J. Software-Defined Vehicular Cloud Networks: Architecture, Applications and Virtual Machine Migration. Sensors 2020, 20, 1092, https://doi.org/10.3390/s20041092	Q1	3		5.33
3					

4	Muthanna, Ammar; A. Ateya, Abdelhamied; Khakimov, Abdokodir; Gudkova, Irina; Abuarqoub, Abdelrahman; Samouylov, Konstantin; Koucheryavy, Andrey. 2019. "Secure and Reliable IoT Networks Using Fog Computing with Software-Defined Networking and Blockchain." J. Sens. Actuator Netw. 8, no. 1: 15, https://doi.org/10.3390/jsan8010015		3		2.67
5	Alioua, Ahmed & Senouci, Sidi-Mohammed & Sedjelmaci, Hichem & Moussaoui, Samira. (2018). Incentive edge caching in software-defined internet of vehicles: A Stackelberg game approach. International Journal of Communication Systems. e3787. 10.1002/dac.3787	ISI, Wiley	3		2.67
Articol citat	Borcoci, E., Obreja, S. G., & Vochin, M. C. (2018). Functional Layered Architectures and Control Solutions in Internet of Vehicles-Comparison. International Journal on Advances in Internet Technology 11(1&2), 11(1&2), 31–43, ISSN: 1942-2652.				
1	Hussain, Shaik & Yusof, Kamaludin & Hussain, Shaik & Khan, Aisha. (2022). An Efficient Interface Selection Scheme (DSRC/LTE) of Vehicles for Data Dissemination Enabling V2V Communication to Support Internet of Vehicles (IoV). 10.1007/978-981-16-1249-7_54.	Springer	4		4.00
2	Nadjet Azzaoui, Ahmed Korichi, Bouziane Brik, Med el amine Fekair, and Chaker Abdelaziz Kerrache. 2019. Wireless communication in internet of vehicles networks: DSRC-based Vs cellular-based. In Proceedings of the 4th International Conference on Smart City Applications (SCA '19). Association for Computing Machinery, New York, NY, USA, Article 23, 1–6. DOI: https://doi.org/10.1145/3368756.3368998	ACM	4		2.00
Articol citat	Vochin, M.; Vulpe, A.; Boicescu, L.; Obreja, S.G.; Suci, G. An Intelligent Low-Power Displaying System with Integrated Emergency Alerting Capability. Sensors 2019, 19, 666	Q1			
1	Wang Dongsheng, Wang Yan, Zhou Ying, Jiang Guoping, et al. Sensor fusion for heading angle estimation based on random forest algorithm [J]. Journal of Southeast University (English Edition), 2021, (2): 192-198. [doi:10.3969/j.issn.1003-7985.2021.02.009]		5		1.60
2	D. Han, L. Xu, R. Cao, H. Gao and Y. Lu, "Anti-Collision Voting Based on Bluetooth Low Energy Improvement for the Ultra-Dense Edge," in IEEE Access, doi: 10.1109/ACCESS.2021.3079120.	Q2	5		3.20
3	Things [物联网中基于iBeacon的防撞广播方案] (2020) Beijing Youdian Daxue Xuebao/Journal of Beijing University of Posts and Telecommunications, 43 (2), pp. 66-73, DOI: 10.13190/j.jbupt.2019-12.001	Scopus	5		1.60
4	Jiang, Guoping. (2019). Intelligent Positioning for a Commercial Mobile Platform in Seamless Indoor/Outdoor Scenes based on Multi-sensor Fusion. Sensors. 19. 1696. 10.3390/s19071696	Q1	5		3.20
Articol citat	LwIP Stack Protocol For Embedded Sensors Network, Sorin Zoican, Marius Vochin, COMM 2012 International Conference, Bucharest, pp. 221 – 224, Print ISBN: 978-1-4577-0057-6,	ISI			
1	Fenghao Tian et al 2020 J. Phys.: Sodar Wind Profiler Design Based on Embedded System. Conf. Ser. 1646 012140, http://dx.doi.org/10.1088/1742-6596/1646/1/012140		2		2.00
2	Mazin R Khalil, Laith A. Mohammed, Omar N. Yousif, Customer application protocol for data transfer between embedded processor and microcontroller systems, TELKOMNIKA Telecommunication, Computing, Electronics and Control Vol. 19, No. 3, June 2021, pp. 801–808 ISSN: 1693-6930, DOI: 10.12928/TELKOMNIKA.v19i3.18764.		2		2.00
3	Gu M., Zhan P., He X., Yan D. (2019) Integration Design of IPv6 and Time-Triggered Ethernet on Spacecraft. In: Jia M., Guo Q., Meng W. (eds) Wireless and Satellite Systems. WISATS 2019. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 280. Springer, Cham, https://doi.org/10.1007/978-3-030-19153-5_41	ISI, Springer	2		4.00
4	Amirtharaj, I., Groot, T. & Dezfouli, B., Profiling and Improving the Duty-Cycling Performance of Linux-based IoT Devices, J Ambient Intell Human Comput (2019), https://doi.org/10.1007/s12652-019-01197-2 , Springer, Vol. 11 Issue 5, SI, Pp.: 1967-1995, MAY 2020, WOS:000528395400014	ISI, Springer	2		4.00
5	Network Stack of the HopeMesh Experimental Wireless Mesh Network By: Olejnik, Remigiusz PRZEGLAD ELEKTROTECHNICZNY Volume: 94 Issue: 6 Pages: 144-148 Published: 2018, WOS:000439373500028	ISI	2		4.00
6	Prototype implementation of real time W-CAN driver for hub to nacelle wireless communication in wind turbine Munde, S.U., Tasgaonkar, P.P. 2018 Proceedings - 7th International Conference on Communication Systems and Network Technologies, CSNT 2017 8418518, pp. 97-102	ISI	2		4.00
7	Energy Efficient IP-Connectivity with IEEE 802.11 for Home M2M Networks By: Ozcelik, Ihsan Mert; Korpeoglu, Ibrahim; Agrawala, Ashok COMPUTER JOURNAL Volume: 60 Issue: 6 Pages: 883-897 Published: JUN 2017	ISI	2		4.00
8	Design of hardware TCP/IP stack for sensing systems intended for monitoring of mechanical equipment Xu, Z., Liu, Q., Li, Z. 2017 ASME 2017 12th International Manufacturing Science and Engineering Conference, MSEC 2017 collocated with the JSME/ASME 2017 6th International Conference on Materials and Processing	IEEE	2		4.00
9	Integration of LwIP stack over Intel (R) DPDK for high throughput packet delivery to applications By: Rajesh, R.; Ramia, Kannan Babu; Kulkarni, Muralidhar Conference: 5th International Symposium on Electronic System Design (ISED) Location: Natl Inst Technol Karnataka, Surathkal, INDIA Date: DEC 15-17, 2014 Sponsor(s): IEEE; Sustainable Econ & Educ Dev Soc; Inst Engn & Technol; TC VLSI; IEEE Comp Soc 2014 FIFTH INTERNATIONAL SYMPOSIUM ON ELECTRONIC SYSTEM DESIGN (ISED) Book Series: International Symposium on Electronic System Design Pages: 130-134 Published: 2014	IEEE	2		4.00
Articol citat	Vochin, M., Zoican, S., & Borcoci, E. (2017). Intelligent System for Vehicle Navigation Assistance. In WorldCist'17 - 5th World Conference on Information Systems and Technologies. Porto Santo Island, Madeira, Portugal, 11 - 13 April 2017.	ISI			
1	An Intelligent Transportation System Application for Smartphones Based on Vehicle Position Advertising and Route Sharing in Vehicular Ad-Hoc Networks By: Hadiwardoyo, Seilendria A.; Patra, Subhadeep; Calafate, Carlos T.; et al. JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY Volume: 33 Issue: 2 Pages: 249-262 Article Number: 1000-9000(2018)33:2<249:AITSAF>2.0.TX;2-F Published: MAR 2018, WOS:000428379000002	ISI	3		2.67

Articol citat	Suciu, G., Vochin, M., Diaconu, C., Suciu, V., & Butca, C. (2016). Convergence of Software Defined Radio: WiFi, iBeacon and ePaper. In 15th RoEduNet Conference: Networking in Education and Research. bucharest. Retrieved from http://conference.roedunet.net/index.php/roedunetconf/2016 , WOS:000390713800050, DOI 10.1109/RoEduNet.2016.7753249, ISBN: 978-1-5090-5398-8, ISSN: 2247-5443.				
1	Khan, S.; Won, J.; Shin, J.; Park, J.; Park, J.-W.; Kim, S.-E.; Jang, Y.; Kim, D.J. SSVm: An Ultra-Low-Power Strain Sensing and Visualization Module for Long-Term Structural Health Monitoring. <i>Sensors</i> 2021, 21, 2211. https://doi.org/10.3390/s21062211	ISI, Q1	5		3.20
2	Sykes, E.R. A context-aware system using mobile applications and beacons for on-premise security environments. <i>J Ambient Intell Human Comput</i> (2020). https://doi.org/10.1007/s12652-020-01906-2 , Springer	ISI, Springer	5		1.60
3	F.Naniche, H.Drias, M.R.Muhamed, M.Kamalrudin, Agent-Based Enhancement of Legacy Manufacturing Planning and Control Processes, <i>International Journal of Recent Technology and Engineering (IJRTE)</i> ISSN: 2277-3878, Volume-8, Issue-1S5, June 2019	Scopus	5		1.60
4	On the Fundamental Characteristics of Ultra-Dense Small Cell Networks Ding, M., López-Pérez, D., Claussen, H., Kaafar, M.A. 2018 <i>IEEE Network</i> 32(3), pp. 92-100	IEEE	5		1.60
5	Smart CEI moncloa: An iot-based platform for people flow and environmental monitoring on a Smart University Campus, Open Access, Alvarez-Campana, M., López, G., Vázquez, E., Villagrà, V.A., Berrocal, J. 2017 <i>Sensors</i> (Switzerland) 17(12),2856	ISI Q1	5		3.20
6	Fan B., Su X., Zeng J., Liu B. (2017) A Unified Framework of New Multiple Access for 5G Systems. In: Rocha Á., Correia A., Adeli H., Reis L., Costanzo S. (eds) <i>Recent Advances in Information Systems and Technologies. WorldCIST 2017. Advances in Intelligent Systems and Computing</i> , vol 570. Springer, Cham	ISI, Springer	5		1.60
Articol citat	Zoican, S., & Vochin, M. (2016). Computing system and network architectures in high frequency trading financial applications. In 2016 International Conference on Communications (COMM). Bucuresti, WOS:000383221900030, https://doi.org/10.1109/ICComm.2016.7528289 ,				
1	Addison, A., Krish, A., Prins, R., Ryan, L., Villette, N., Andrews, C., Azad, N., Bardsley, D., Bauman, J., Diaz, J., Didik, T., Fazliddin, K., Gromoa, M, Low-latency trading in the cloud environment, (2019) Proceedings - 22nd IEEE International Conference on Computational Science and Engineering and 17th IEEE International Conference on Embedded and Ubiquitous Computing, CSE/EUC 2019, art. no. 8919600, pp. 272-282.		2		4.00
2	Noussair Fikri, Mohamed Rida, Nouredine Abghour, Khalid Moussaid, and Amina El Omri. 2017. BigData and regulation in high frequency trading. In Proceedings of the 2017 International Conference on Cloud and Big Data Computing (ICCBDC 2017). ACM, New York, NY, USA, 45-49. DOI: https://doi.org/10.1145/3141128.3141134	ACM	2		4.00
Articol citat	Implementation of a Media Aware Network Element for Content Aware Networks. Dragoş S. Niculescu, Mihai Stanciu, Marius Vochin, Eugen Borcoci. Budapest, Hungary, April 17-22, 2011, The Fourth International Conference on Communication Theory, Reliability, and Quality of Service, pp 2213 – 2217, ISSN: 2308-4022, ISBN: 978-1-61208-126-7, WOS:000395118200014.				
1	Moises Rodrigues, Andre Moreira, Marcio Neves, Ernani Azevêdo, Djamel Sadok, Arthur Callado, and Victor Souza. 2013. Optimizing cross traffic with an adaptive CDN replica placement strategy. In Proceedings of the 46th Annual Simulation Symposium (ANSS 13). Society for Computer Simulation International, San Diego, CA, USA, , Article 14 , 8 pages, http://dl.acm.org/citation.cfm?id=2499618	ACM	4		2.00
2	M. Rodrigues et al., "Flow count: A CDN dynamic Replica Placement Algorithm for cross traffic optimization," 2013 IFIP/IEEE International Symposium on Integrated Network Management (IM 2013), Ghent, 2013, pp. 684-687	IEEE	4		2.00
3	Σχεδιασμός, ανάπτυξη και υποποίηση συστήματος διαχείρισης δικτυακών πόρων. A Antonas-Mpelegrinis, A Αντώνας-Μπελεγγρινής - 2014 - apothesis.lib.teicrete.gr		4		2.00
Articol citat	Suciu, G., Butca, C., Conu, R., Suciu, V., Hristea, G., Vochin, M., & Todoran, G. (2016). Rapid Detection of Pesticide Residues based on Telemetry Platform. In International Symposium on Electronics and Telecommunications 2016. Timisoara. Retrieved from http://conference.etc.upt.ro/isetc2016/ , DOI 10.1109/ISETC.2016.7781065, WOS:000390717800022.	ISI			
1	Singh, G., Singh, A., Singh, P. and Mishra, V.K. (2021). Organic Pollutants in Groundwater Resource. In <i>Groundwater Geochemistry</i> (eds S. Madhav and P. Singh). https://doi.org/10.1002/9781119709732.ch8 Wiley	Wiley	7		2.29
2	Singh, Gurudatta & Gupta, Deepak & Shukla, Reetika & Mishra, Virendra. (2021). Application of constructed wetlands for the safe and sustainable treatment of emerging contaminants. Elsevier, Pages 85-104, 10.1016/B978-0-12-823828-8.00004-9	ScienceDirect	7		1.14
3	Bhavani, T. Satish T., and Shameena Begum. "Agriculture Productivity Enhancement System using IOT." <i>International Journal of Theoretical and Applied Mechanics</i> 12.3 (2017): 543-554.		7		1.14
4	Sahithi, B. "The Factors Affecting Smart Rice Farming-A Systematic Literature Survey.", <i>International Journal of Engineering Science Invention (IJESI)</i> ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org , Volume 7 Issue 3 Ver. 3, March 2018, PP38-41		7		1.14
Articol citat	Zoican, S., Vochin, M., Zoican, R., & Galaţchi, D. (2016). Lane Departure Warning System Implementation using the Blackfin Microcomputer. In 2016 12th IEEE International Symposium on Electronics and Telecommunications (ISETC). Timisoara. Retrieved from http://conference.etc.upt.ro/isetc2016/ , WOS:000390717800002.	ISI			
1	Ojo, Taiwo. (2018). Lane Departure Warning System Under Adverse Weather Conditions for the Elderly Driver, <i>UTC Transportation Day</i> , 10.13140/RG.2.2.13187.14885.		4		2.00
2	Winserng Chee, Phooi Yee Lau, Sungkwon Park. (2017). Real-time Lane Keeping Assistant System on Raspberry Pi. <i>IEIE Transactions on Smart Processing & Computing</i> , 6(6), 379-386, Vol.6 No.6, 2017.12, 379-386 (8 pages) DOI :10.5573/IEIESPC.2017.6.6.379	IEEE Transactions	4		2.00
Articol citat	George Suciu, Marius Vochin, Alexandru Vulpe, O. F. (2016). Vehicular Mobile Data Collection Platform to Support the Development of Intelligent Transportation Systems. In 24th Telecommunications Forum TELFOR 2016. Belgrade. Retrieved from http://www.telfor.org.rs/ , DOI 10.1109/TELFOR.2016.7818753, WOS:000393491700043	ISI			

1	Muhamad Asvial, M. Faridz Gita Pandoyo and Ajib Setyo Arifin, "Entropy-Based k Shortest-Path Routing for Motorcycles: A Simulated Case Study in Jakarta" International Journal of Advanced Computer Science and Applications (IJACSA), 11(7), 2020. http://dx.doi.org/10.14569/IJACSA.2020.0110758	ISI, Scopus	4	2.00
2	M. Asvial, M. F. Gita Pandoyo and A. Setyo Arifin, "Internet of Things Solution for Motorcycle Riders to Overcome Traffic Jam in Jakarta Using EBKSP," 2018 International Conference on Information and Communication Technology Convergence (ICTC), Jeju, 2018, pp. 636-638.		4	2.00
Articol citat	Vulpe, A., Vochin, M., Boicescu, L., & Suci, G. (2017). Intelligent low-power displaying and alerting infrastructure for secure institutional networks. In 3rd EAI International Conference on Future Access Enablers of Ubiquitous and Intelligent Infrastructures OCTOBER 12–14, 2017 BUCHAREST, ROMANIA. Bucharest. Retrieved from http://fabulous-conf.org/2017/show/home,WOS:000481658200021 .	ISI		
1	Exploring networked message signs as a new medium for urban communication R José, A Pinheiro, H Rodrigues - Proceedings of the 7th ACM ..., 2018 - dl.acm.org	ACM	4	2.00
Articol citat	A3.1.2 Citări în cărți, reviste și volume ale unor manifestări științifice - BDI [4 / nr. Autori articol citat] Suci, G., Scheianu, A., Bălăceanu, C. M., Petre, I., Dragu, M., Vochin, M., & Vulpe, A. (2018). Sensors fusion approach using UAVs and body sensors. Advances in Intelligent Systems and Computing (Vol. 747). https://doi.org/10.1007/978-3-319-77700-9_15			
1	Saranya V., Carmel Mary Belinda M.J., Kanagachidambaresan G.R. (2020), An Evolution of Innovations Protocols and Recent Technology in Industrial IoT. In: Kanagachidambaresan G., Anand R., Balasubramanian E., Mahima V. (eds) Internet of Things for Industry 4.0. EAI/Springer Innovations in Communication and Computing. Springer, Cham, https://doi.org/10.1007/978-3-030-32530-5_11 .	Springer	7	1.14286
Articol citat	Vochin, M., Zoican, S., & Borcoci, E. Intelligent vehicle navigation system with assistance and alerting capabilities. Concurrency & Computation: Practice & Experience, WILEY, 18 pp, 2018, ISSN:1532-0634, https://doi.org/10.1002/cpe.4402 , Q3, Impact factor (2019) 1.167			
1	Moradi, M., Moradi, M., Bayat, F. and Nadjaran Toosi, A. (2019), "Collective hybrid intelligence: towards a conceptual framework", International Journal of Crowd Science, Vol. 3 No. 2, pp. 198-220. https://doi.org/10.1108/IJCS-03-2019-0012	DOAJ	3	2.66667
Articol citat	Marius Vochin, Eugen Borcoci, Serban Georgica Obreja, Jordi Mongay Batalla, & Daniel Negru. (2016). Performance Analysis of an Adaptive Media Content Streaming System. In The 11th International Conference on COMMUNICATIONS COMM 2016. Bucharest. https://doi.org/10.1109/ICComm.2016.7528320 , WOS:000383221900032			
1	Garg, A., Gupta, M. Improving qos by enhancing media streaming algorithm in content delivery network (2019) International Journal of Engineering and Advanced Technology, 8 (6 Special Issue 3), pp. 866-870, DOI: 10.35940/ijeat.F1143.0986S319, Open Access.		5	0.8
Articol citat	Boicescu, L., Vochin, M., Vulpe, A., & Suci, G. (2018). Intelligent low-power displaying and alerting infrastructure for smart buildings. In Advances in Intelligent Systems and Computing (Vol. 747, pp. 136–145). https://doi.org/10.1007/978-3-319-77700-9_14	ISI, Springer		
1	Stojko, L., Fietkau, J., & Koch, M. (2020). Design Guidelines for Micro Information Radiators to increase Seniors' Safety in Urban Space. In Proc. Mensch und Computer 2020. doi:10.1145/3404983.3410001, ACM	ACM, SCOPUS	4	2
2	Rui José, André Pinheiro, and Helena Rodrigues. 2018. Exploring networked message signs as a new medium for urban communication. In Proceedings of the 7th ACM International Symposium on Pervasive Displays (PerDis '18), Albrecht Schmidt, Julie R. Williamson, Ivan Elhart, Matthias Baldauf, Mateusz Mikusz, Salvatore Sorce, Katja Kurdyukova, Passant El.Agroudy, and Vito Gentile (Eds.). ACM, New York, NY, USA, Article 19, 7 pages. DOI: https://doi.org/10.1145/3205873.3205884	ACM	4	2
Articol citat	Vochin, M., & Al-Amily, H. (2017). Mobile Communication application for V2V Systems. In the 13-th International Symposium on Signals, Circuits and Systems. ISSCS 2017. Iasi, Romania. Retrieved from http://scs.etc.tuiasi.ro/isscs2017/	ISI, Springer		
1	Azman A. et al. (2019) A Study of Wireless Communication Technologies for Vehicular Communication. In: Kim K., Baek N. (eds) Information Science and Applications 2018. ICISA 2018. Lecture Notes in Electrical Engineering, vol 514. Springer, Singapore, https://doi.org/10.1007/978-981-13-1056-0_1	Springer	2	4
2	Real-Time Connected Car Services. International Journal of Human and Technology Interaction (IJHaTI), pp 19-28. ISSN: 2590-3551 eISSN: 2600-8122. Vol. 2 No. 1 April 2018. Real-Time Connected Car Services. Yogarayan, S., Azman, A., Razak, S. A., Raman, K. J., Abdullah, M. F. A., Ibrahim, S. Z., ... & Muthu, K. S.		2	2
3	S. Hajjar, "Safe Design of Controller for Smart Communicating Vehicles," NAECON 2018 - IEEE National Aerospace and Electronics Conference, Dayton, OH, 2018, pp. 508-512. doi: 10.1109/NAECON.2018.8556823		2	2
Articol citat	Borcoci, E., Ambarus, T., & Vochin, M. (2015). On Multi-controller Placement Optimization in Software Defined Networking - based WANs. In The Fourteenth International Conference on Networks ICN 2015 (pp. 261–266). Retrieved from https://www.thinkmind.org/download.php?articleid=icn_2015_11_40_96028			
1	Shirmar, A., Ghaffari, A. Taxonomy of controller placement problem (CPP) optimization in Software Defined Network (SDN): a survey. J Ambient Intel Human Comput (2021). https://doi.org/10.1007/s12652-020-02754-w , Springer	ISI Q1, Springer	3	5.33333
2	Haque, M. R., Tan, S. C., Yusoff, Z., Nisar, K., Lee, C. K., Kaspin, R., Chowdhry, B., Ali, S., & Memon, S. (2020). A Novel DDoS Attack-aware Smart Backup Controller Placement in SDN Design. Annals of Emerging Technologies in Computing, 4(5), 75–92. https://doi.org/10.33166/AETIC.2020.05.005		3	2.66667
2	T. Das, V. Sridharan and M. Gurusamy, "A Survey on Controller Placement in SDN," in IEEE Communications Surveys & Tutorials, vol. 22, no. 1, pp. 472-503, Firstquarter 2020, doi: 10.1109/COMST.2019.2935453	ISI Q1, IEEE	3	5.33333
3	Chahlaoui, F., Dahmouni, H. A Taxonomy of Load Balancing Mechanisms in Centralized and Distributed SDN Architectures. SN COMPUT. SCI. 1, 268 (2020). https://doi.org/10.1007/s42979-020-00288-8 , Springer, ACM	Springer, ACM	3	2.66667

4	G. Schütz, J.A. Martins, A comprehensive approach for optimizing controller placement in Software Defined Networks, Computer Communications, 2020, ScienceDirect, pp 198-205, ISSN 0140-3664, https://doi.org/10.1016/j.comcom.2020.05.008 .	ScienceDirect	3	5.33333
5	Smimesh, C. & Kanaga, E. & Sreejish, A.. (2020). Augmented Affinity Propagation-Based Network Partitioning for Multiple Controllers Placement in Software Defined Networks. Journal of Computational and Theoretical Nanoscience. 17. 228-233. 10.1166/jctn.2020.8655		3	1.33333
6	A multi-controller placement strategy in software defined networks using affinity propagation Authors: C.N. Smimesh; E. Grace Mary Kanaga; A.G. Sreejish International Journal of Internet Technology and Secured Transactions, 2020 Vol.10 No.1/2, pp.229 - 253 https://dx.doi.org/10.1504/IJITST.2020.104581		3	2.66667
7	X. Zhong, L. Zhang and Y. Wei, "Dynamic Load-Balancing Vertical Control for a Large-Scale Software-Defined Internet of Things," in IEEE Access, vol. 7, pp. 140769-140780, 2019. doi: 10.1109/ACCESS.2019.2943173	IEEE Access	3	5.33333
8	J. Lu, Z. Zhang, T. Hu, P. Yi and J. Lan, "A Survey of Controller Placement Problem in Software-defined Networking," in IEEE Access. doi: 10.1109/ACCESS.2019.2893283	IEEE Access	3	5.33333
9	A. Alshamrani, S. Guha, S. Pisharody, A. Chowdhary and D. Huang, "Fault Tolerant Controller Placement in Distributed SDN Environments," 2018 IEEE International Conference on Communications (ICC), Kansas City, MO, 2018, pp. 1-7. doi: 10.1109/ICC.2018.8422593	IEEE	3	2.66667
10	I. O. Adebayo, M. O. Adigun and P. Mudali, "Feature Selection Strategies for the Controller Placement Problem in SDNs: A Review," 2018 International Conference on Advances in Big Data, Computing and Data Communication Systems (icABCD), Durban, 2018, pp. 1-5. doi: 10.1109/ICABCD.2018.8465404		3	1.33333
11	Kyuchukova, Diyana D., and Georgi V. Hristov. "Conducting experiments using a platform for evaluation and assessment of SDN performance.", ELECTROTECHNICA+ELECTRONICA journal, Volume 51, Issue 9-10, 2016, pp.17-22.		3	1.33333
12	Aoki, H., & Shinomiya, N. (2016, February). Controller placement problem to enhance performance in multi-domain SDN networks. In ICN (Vol. 120, p. 2016).		3	1.33333
13	P. D. Bhole and D. D. Puri, "Distributed Hierarchical Control Plane of Software Defined Networking," 2015 International Conference on Computational Intelligence and Communication Networks (CICN), Jabalpur, 2015, pp. 516-522. doi: 10.1109/CICN.2015.106 http://ieeexplore.ieee.org/abstract/document/7546147/references?ctx=references	IEEE	3	2.66667
14	He Li, R. E. De Grande and A. Boukerche, "An efficient CPP solution for resilience-oriented SDN controller deployment," 2017 IEEE International Parallel and Distributed Processing Symposium Workshops (IPDPSW), Lake Buena Vista, FL, 2017, pp. 540-549. doi: 10.1109/IPDPSW.2017.161	IEEE	3	2.66667
15	Controller Placement Algorithms in Software Defined Network - A Review of Trends and Challenges, Si-Kee Yoon, ZIA Khalib, N Yaakob, A Amir MATEC Web Conf. 140 01014 (2017) DOI: 10.1051/mateconf/201714001014		3	1.33333
16	Ali S. et al. (2017) Motivation of DDOS Attack-Aware Link Assignment between Switches to SDN Controllers. In: Wang G., Atiquzzaman M., Yan Z., Choo KK. (eds) Security, Privacy, and Anonymity in Computation, Communication, and Storage. SpaCCS 2017. Lecture Notes in Computer Science, vol 10656. Springer, Cham	ISI, Springer	3	2.66667
17	Dynamic Load-Balancing Vertical Control for Large-Scale Software-Defined Internet of Things L Zhang, X Zhong, Y Wei, K Yang - arXiv preprint arXiv:1712.10210, 2017 - arxiv.org		3	1.33333
18	高先明, 王宝生, 邓文平, 陶静. SDN 网络中控制器放置问题综述. 通信学报. 2017 Aug 25;38(7):155-64.		3	1.33333
19	胡涛, 张建辉, 孔维功, 杨森, 曹路佳. SDN 中基于过程优化的交换机竞争迁移算法. 通信学报. 2017 Sep 7;38(8):213-22.		3	1.33333
20	I. Vaishnavi and W. Y. Poe, "Virtualized control plane placement problem: Provisioning the control paths and architectures," 2017 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPs), Atlanta, GA, 2017, pp. 695-700. doi: 10.1109/INFOCOMW.2017.8116461	IEEE	3	2.66667
Articol citat	Multi-controller Scalability in Multi-domain Content Aware Networks Management. Eugen Borcoci, Mihai Constantinescu, Marius Vochin. Chamonix, France, The Tenth International Conference on Networking, ICNS 2014, pp. 62-68, ISSN: 2308-4006, ISBN: 978-1-61208-330-8.			
1	Kálmán, G., Orfanus, D., & Hussain, R. (2014). Overview and future of switching solutions for industrial ethernet. International Journal on Advances in Networks and Services Volume, 7.		3	1.33333
Articol citat	Borcoci, E., Ambarus, T., & Vochin, M. (2017). Distributed Control Plane Optimization in SDN-Fog VANET. In The International Symposium on Advances in Software Defined Networking and Network Functions Virtualization. Venice: IARIA. Retrieved from https://www.aria.org/conferences2017/SOFTNETWORKING.html , Best Paper Award			
1	L. Chen, F. Tang and X. Li, "Mobility- and Load-Adaptive Controller Placement and Assignment in LEO Satellite Networks," IEEE INFOCOM 2021 - IEEE Conference on Computer Communications, 2021, pp. 1-10, doi: 10.1109/INFOCOM42981.2021.9488806.	IEEE	3	2.66667
2	Narayana, V.L. and Patibandla, R.S.M.L. (2021). An Efficient Fog-Based Model for Secured Data Communication. In Integration of Cloud Computing with Internet of Things (eds M. Mangla, S. Satpathy, B. Nayak and S.N. Mohanty), Wiley, https://doi.org/10.1002/9781119769323.ch3	Wiley	3	2.66667
3	Nadia Mouawad, SDN based Mobility Management and Quality of Service Provisioning for 5G Vehicular Networks, LI-PaRAD - Laboratoire d'Informatique Parallélisme Réseaux Algorithmes Distribués, 2020		3	2.66667
4	Muthanna, Ammar, et al. "Secure IoT Network Structure Based on Distributed Fog Computing, with SDN/Blockchain." (2019).		3	1.33333
5	Karima Smida, Hajer Tounsi, Mounir Frikha, Ye-Qiong Song, Software Defined Internet of Vehicles: a survey from QoS and scalability perspectives, Conference: 2019 15th International Wireless Communications and Mobile Computing Conference (IWCMC), Tangier, Morocco, 2019, pp. 1349-1354, DOI: 10.1109/IWCMC.2019.8766647	IEEE	3	2.66667
6	Khakimov A, Ateya AA, Muthanna A, Gudkova I, Markova E, Koucheryavy A. IoT-fog based system structure with SDN enabled. In Proceedings of the 2nd International Conference on Future Networks and Distributed Systems 2018 Jun 26 (p. 62). ACM.	ACM	3	2.66667
7	N. Mouawad, R. Naja and S. Tohme, "Optimal and Dynamic SDN Controller Placement," 2018 International Conference on Computer and Applications (ICCA), Beirut, 2018, pp. 1-9. doi: 10.1109/COMAPP.2018.8460361		3	1.33333

8	Bumgardner VC, Hickey C, Marek VW. Edge-enabled Distributed Network Measurement. In2018 IEEE International Conference on Pervasive Computing and Communications Workshops (PerCom Workshops) 2018 Mar 19 (pp. 524-529). IEEE, 10.1109/PERCOMW.2018.8480233	IEEE	3	2.66667
	A3.2.1 Prezentari invitate in plenul unor manifestari stiintifice internationale și profesor invitat			
1	Plenary Lecture: "Automotive Navigation Assistance Systems", 8th International Conference on AUTOMOTIVE and TRANSPORTATION SYSTEMS (ICAT '17), Brasov, Romania June 27-29, 2017			10
	A3.2.2 Prezentari invitate in plenul unor manifestari stiintifice nationale și profesor invitat			
1	Sistem inteligent monitorizare apicola, Targul Cercetatorilor - CNMB 100, ian 2020			10
	A3.3.1. Membru în colective de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate - ISI [punctaj unic 10/activitate]			
1	Membru Reviewer Board al Remote Sensing, https://www.mdpi.com/journal/remotesensing/submission_reviewers			10
2	Membru Program Committee al conferinței 2021 Joint EuCNC & 6G Summit, https://www.eucnc.eu/technical-programme-committee/			10
3	Membru Program Committee al conferinței Worldcist 2021, http://www.worldcist.org/index.php/committees			10
4	Membru Program Committee al conferinței Worldcist 2020, http://www.worldcist.org/index.php/committees			10
5	Membru Program Committee al conferinței Worldcist 2019, http://www.worldcist.org/2019/index.php/committees			10
6	PC member The 2019 CLIMA Congress			10
7	Membru Program Committee al conferinței Worldcist 2018, http://www.worldcist.org/2018/index.php/committees			10
8	Membru Program Committee al conferinței Worldcist 2017, http://www.worldcist.org/2017/index.php/committees			10
9	Organizare workshop ERLANG 2018: ERLANG - Emerging Trends, Challenges and Solutions in Infrastructures and Smart Building Management			10
	A3.3.2. Membru în colective de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate - BDI [punctaj unic 6/activitate]			
1	Membru Editorial Board al International Journal of Future Generation Communication and Networking (IJFGCN), https://nadiapub.com/journals/ijfgcn/ijfgcn-editorial-board/			6
2	Membru Editorial Board al American Journal of Networks and Communications, http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=132			6
	A3.3.2. Membru în colective de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, naționale și internaționale neindexate [punctaj unic 3/activitate]			
1	Organizare și participare la 2 Workshop-uri în proiect SRSPİRIM și la 3 Workshop-uri în proiectul Pracsis.			15
	A3.4.1 Premii în domeniu - Academia Romana, ASTR, academiile de ramura, premii internationale [punctaj unic 15/activitate]			
1	Eugen Borcoci, Marius Vochin, Serban Georgica Obreja, On Systematic Identification of Requirements for Vehicle-to-Everything 5G Slices, The Tenth International Conference on Mobile Services, Resources, and Users, held in Lisbon, Portugal during September 27 - October 01, 2020			15
2	Best Paper Award: "Multi-controller Scalability in Multi-domain Content Aware Networks Management", ICNS 2014, The Tenth International Conference on Networking and Services, held in Chamonix, France - April 20 - 24, 2014			15
3	Best Paper Award: "Quality of Service Assurance in Multi-domain Content-Aware Networks for Multimedia Applications", INTERNET 2014, The Sixth International Conference on Evolving Internet, held in Seville, Spain - June 22 - 26, 2014			15
4	Best Paper Award: "Distributed Control Plane Optimization in SDN-Fog VANET", The Sixteenth International Conference on Networks ICN 2017 April 23 - 27, 2017 - Venice, Italy https://www.iaria.org/conferences2017/awardsICN17/softnet2017_a2.pdf			15
5	Best Paper Award: Borcoci, E., Obreja, S., & Vochin, M. (2017). Internet of Vehicles Functional Architectures - Comparative Critical Study. The Ninth International Conference on Advances in Future Internet AFIN 2017, September 10 - 14, 2017 - Rome, Italy, Best Paper Award, ISSN: 2308-4340, ISBN: 978-1-61208-583-8.			15
	A3.4.2 Premii nationale in domeniu [punctaj unic 5/activitate]			
1	Premiul II la Sesiunea de Comunicari Stiintifice Studentesti E.T.T.I., mai 2009			5
	Total A3			597.1