

UNIVERSITATEA POLITEHNICA DIN BUCURESTI
FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIME IMPUSE
DE COMISIA DE SPECIALITATE CNATDCU
15. CALCULATOARE, TEHNOLOGIA INFORMATIEI SI INGINERIA SISTEMELOR

Conf.dr.ing Mihai CARABAȘ

Condiții	Îndeplinire condiții	
A. Doctor	Diploma Doctor în Domeniul Calculatoare și tehnologia informației Seria J Nr. 0016990, din 08.05.2017 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. 15 Calculatoare, Tehnologia Informației și Ingineria Sistemelor Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
<i>Condiții minime</i>	<i>Minim prevăzut</i>	<i>Realizat</i>
A1 – Activitatea didactica / profesionala	100,00	132,50
A2 – Activitatea de cercetare	600,00	767,66
A3 – Recunoașterea impactului activității	150,00	169,02
TOTAL (A)	850,00	1.069,18
<i>Condiții minime obligatorii pe subcategorii</i>	<i>Minim prevăzut</i>	<i>Realizat</i>
A1.1.1 – A1.1.2 Cărți și capitole în cărți de specialitate	1 cărți/capitole	1
A1.2.1 – A1.2.2 Material didactic / Lucrări didactice publicate	1	1
A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	15	48
A2.1.4 Granturi/proiecte câștigate prin competitive (Director/Responsabil)	2	4
A3.1.1 – A3.1.2 – Număr de citări în cărți, reviste și în volume ale unor manifestări științifice ISI	25	33
Factor de impact cumulat pentru publicații	10	35,81
C. Atestarea studiilor (diploma + Foi Matricole) si a altor realizări profesionale	Media anilor de studii 9.78 Media examenelor de Diploma 10 Diploma de Licență în domeniul Calculatoare și tehnologia informației Nr. 4490 din 16.07.2011 emisă de Universitatea Politehnica din București Diploma de Master în domeniul Calculatoare și tehnologia informației, Nr. 0133 din 10.10.2013 emisă de Universitatea Politehnica din București	

Subsemnatul Mihai CARABAȘ, 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 2020 pentru înscrierea la concurs (conform OMENCS Nr. 6129 / 20.12.2016 [MO, I, 123 / 15.02.2017]), 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 data.

Candidat,
Mihai CARABAȘ

Data: 15.09.2021

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Domeniul Fundamental: ȘTIINȚE INGINERESTI

Domeniul de Studii Universitare: CALCULATOARE ȘI TEHNOLOGIA INFORMATIEI

Comisia CNATDCU [nr/denumire]: 15. CALCULATOARE, TEHNOLOGIA INFORMATIEI ȘI INGINERIA SISTEMELOR

UNIVERSITATEA POLITEHNICA BUCUREȘTI

FISA DE EVALUARE A ACTIVITĂȚII CANDIDATULUI

Condiții Minimale conform OMECTS 6129 / 20.12.2016, MO, PI, 123 / 14.02.2017

Grad Didactic, Prenume Nume: Conf. dr. ing. Mihai CARABAȘ
FACULTATEA DE AUTOMATICA ȘI CALCULATOARE, UNIVERSITATEA <i>POLITEHNICA</i> DIN BUCUREȘTI

Punctaje condiții minimale (A)			
Nr.	Domeniul de activitate	Minim prevăzut	Realizat
A1	Activitatea didactică / profesională (A1)	100,00	132,50
A2	Activitatea de cercetare (A2)	600,00	767,66
A3	Recunoașterea impactului activității (A3)	150,00	169,02
TOTAL (A)		850,00	1.069,18

Punctaje condiții minimale obligatorii pe subcategorii			
Nr.	Domeniul de activitate	Minim prevăzut	Realizat
A1.1.1- A1.1.2	Carti si capitole in carti de specialitate	1	1
A1.2.1- A1.2.2	Material didactic / Lucrari didactice	1	1
A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15	48
A2.4.1	Granturi / proiecte castigate prin competitie (Director / responsabil)	2	4
A3.1.1- A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI	25	33
	Factor de impact cumulat pentru publicatii	10	35,81

2 publicatie in revista codata ISI
Q1, 3 publicatii in revista codata ISI
Q2

STRUCTURA ACTIVITATII CANDIDATULUI

A1	Activitatea didactica si pedagogica (A1)	132,5
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A1.1.1	Carti si capitole in carti de specialitate in edituri internationale recunoscute [100p/nr. Autori/publicatie]	Link
1		
	Total (A1.1.1)	0

A1.1.2	Carti si capitole in carti de specialitate in edituri nationale recunoscute [50/numar autori]	Link
1	Rughinis, Razvan and Deaconescu, Razvan and Carabas, Mihai and Costea, Sergiu. Configurarea și administrarea rețelelor locale. PRINTECH, ISBN 978-606-23-0090-6, 418 pag, 2013	12,5 disponibila in format tiparit
	Total (A1.1.2)	12,5

A1.2.1	Material didactic / Lucrari didactice [40p/nr. Autori/publicatie]	Link
1	Carabas, Mihai. Security in Cluster and Grid Computing - Laboratory support, 42 pag, ISBN 978-606-515-873-3, Bucuresti, 2019	40 https://monitor.grid.pub.ro/SCGC-LaboratorySupport.pdf
2	Carabas, Mihai.Cloud, Cluster and Grid Computing - Private cloud deployment, 44 pag, ISBN 978-606-515- 955-6, Bucuresti, 2021	40 https://ocw.cs.pub.ro/courses/ media/scgc/cloud cluster and grid computing - private cloud deployment.pdf
3	Carabas, Mihai.Cloud, Parallel and Distributed Systems - Secure and Scalable deployments, 34 pag, ISBN 978-606-515- 956-3, Bucuresti, 2021	40 https://ocw.cs.pub.ro/courses/ media/scgc/parallel and distributed systems - secure and scalable deployments.pdf
	Total (A1.2.1)	120

A2	Activitatea de cercetare (A2)	767,66
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A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings [(25+30*factor impact)/nr.autori]	Nrmar autori	Factor Impact	Puntaj	Link Articol / Link Jurnal sau ISI Thomson	WOS

Jurnale cu factor de impact ISI

Factorul de impact este cel de la data depunerii dosarului, Septembrie 2021

1	Gheorghe, Laura and Marin, Bogdan and Gibson, Gary and Mogosanu, Lucian and Deaconescu, Razvan and Voiculescu, Gabriel-Valentin and Carabas, Mihai. Smart Malware Detection on Android. In Security and Communication Networks (SCN). Wiley, vol. 8, no. 18, pp. 4254--4272, December 2015	7	1,288	9,09	http://onlinelibrary.wiley.com/doi/10.1002/sec.1340/abstract	WOS:000367922500075
2	Carabas, Mihai and Popescu, George Pantelimon. Energy-efficient virtualized clusters. In Future Generation Computer Systems, Volume 74, Pages 151-157, September 2017 -> Revista Q1 in categoria COMPUTER SCIENCE, THEORY & METHOD (vezi anexă atașată)	2	7,187	120,31	http://www.sciencedirect.com/science/article/pii/S0167739X15003313	WOS:000403624900015
3	Mogosanu, Lucian and Carabas, Mihai and Deaconescu, Razvan and Gheorghe, Laura and Voiculescu, Gabriel-Valentin. VMXHAL: A Versatile Virtualization Framework for Embedded Systems. In Journal of Control Engineering and Applied Informatics (CEAI). vol. 18, no. 1, pp. 68--77, 2016	5	0,775	9,65	http://www.ceai.srait.ro/index.php?journal=ceai&page=article&op=view&path%5B%5D=2985	WOS:000373525400008
4	EFTIME, Petre and Mogosanu, Lucian and Carabas, Mihai and Deaconescu, Razvan and RUSE, Laura and Voiculescu, Gabriel-Valentin. Optimizing Memory Usage in L4-Based Microkernel. In Computing and Informatics. vol. 36, no. 4, pp. 925-949, 2017	6	0,496	6,65	http://www.cai.sk/ojs/index.php/cai/article/viewArticle/2017_4_925	WOS:000419276100009
5	Budrigă, O., d'Humières, E., Ionel, L. E., Martiş, M., & Carabaş, M. (2019). Modeling the interaction of an ultra-high intensity laser pulse with nano-layered flat-top cone targets for ion acceleration. Plasma Physics and Controlled Fusion, 61(8), 085007. -> Revista Q2 in categoria PHYSICS, FLUIDS & PLASMAS (vezi anexă atașată)	5	2,829	21,97	https://iopscience.iop.org/article/10.1088/1361-6587/ab21f0/meta	WOS:000472103700001
6	Martiş, M., Budrigă, O., d'Humières, E., Ionel, L. E., & Carabaş, M. (2020). Modeling the interaction of an ultra-high intensity laser pulse with an ultra-thin nanostructured foil target. Plasma Physics and Controlled Fusion, 62(9), 095014. -> Revista Q2 in categoria PHYSICS, FLUIDS & PLASMAS (vezi anexă atașată)	5	2,829	21,97	https://iopscience.iop.org/article/10.1088/1361-6587/aba179/meta	WOS:000560067400001
7	Dascau, M. D., Ruseti, S., Dascau, M., McNamara, D. S., Carabas, M., Rebedea, T., & Trausan-Matu, S. (2021). Before and during COVID-19: A Cohesion Network Analysis of students' online participation in moodle courses. Computers in Human Behavior, 121, 106780. -> Revista Q1 in categoria PSYCHOLOGY, MULTIDISCIPLINARY (vezi anexă atașată)	7	6,829	32,84	https://www.sciencedirect.com/science/article/pii/S0747563221001035	WOS:000651382100007
8	Mihailescu, M. E., Mihai, D., Carabas, M., Komisarek, M., Pawlicki, M., Holubowicz, W., & Kozik, R. (2021). The Proposition and Evaluation of the RoEduNet-SIMARGL2021 Network Intrusion Detection Dataset. Sensors, 21(13), 4319. -> Revista Q2 in categoria ENGINEERING, ELECTRICAL & ELECTRONIC (vezi anexă atașată)	7	3,576	18,90	https://www.mdpi.com/1424-8220/21/13/4319	WOS:000671382900001
Conferinte Indexate ISI						
9	Carabas, Mihai and Carabas, Costin and Gheorghe, Laura and Deaconescu, Razvan and Tapus, Nicolae. Monitoring and auditing mobile operating systems. In International Journal of Space-Based and Situated Computing. vol. 6, no. 1, pp. 54--63, 2016	5	0,250	6,50	http://www.inderscienceonline.com/doi/abs/10.1504/IJSSC.2016.076571	WOS:000442795100007
10	Carabas, Mihai and Mogosanu, Lucian and Deaconescu, Razvan and Gheorghe, Laura and Tapus, Nicolae. Lightweight Display Virtualization For Mobile Devices. In Secure Internet of Things (Slot), 2014 International Workshop on. pp. 18 -- 25, September 2014	5	0,250	6,50	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7058904&filter%3DAND%28p_IS_Number%3A7058894%29	WOS:000363814400003
11	EFTIME, Petre and Mogosanu, Lucian and Carabas, Mihai and Gheorghe, Laura and Deaconescu, Razvan. ADDING SMP SUPPORT TO FASTPATHS IN AN L4 MICROKERNEL. In Proceedings of the 5 th International Conference on Computing and Informatics. pp. 347 -- 352, August 2015	5	0,250	6,50	http://www.icoci.cms.net.my/proceedings/2015/PDF/PID101.pdf	WOS:000359431400049
12	Trandafir, Ruxandra and Carabas, Mihai and Rughinis, Razvan and Tapus, Nicolae. HoneyYSPK: Cisco onePK implementation for anomaly-based IDS and honeypot services. In RoEduNet Conference: Networking in Education and Research, 2016 15th. pp. 1--5, 2016	4	0,250	8,13	http://ieeexplore.ieee.org/document/7753221/	WOS:000390713800022
13	Gheorghe, Laura and Mogosanu, Lucian and Carabas, Mihai and Voiculescu, Gabriel-Valentin and Gibson, Gary. Infrastructure for Learning the Behaviour of Malicious and Abnormal Applications. In 11th International Scientific Conference eLearning and Software for Education. no. 1, pp. 202--209, May 2015	5	0,250	6,50	http://search.proquest.com/openview/73a255bb60514507560b3eba567ac721/1.pdf?pq-origsite=gscholar&cbl=1876338	WOS:000384469000030
14	Carabas, Costin and Patru, Irina-Ioana and Carabas, Mihai and Gheorghe, Laura and Tapus, Nicolae. Error Monitoring for Mobile Operating Systems. In Complex, Intelligent, and Software Intensive Systems (CISIS), 2015 Ninth International Conference on. pp. 302--307, July 2015	5	0,250	6,50	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7185202	WOS:000380431900046
15	Mogosanu, Lucian and Carabas, Mihai and Condurache, Cristian and Gheorghe, Laura and Tapus, Nicolae. Evaluating Architecture-Dependent Linux Performance. In 20th International Conference on Control Systems and Computer Science (Ioan Dumitrache, Adina Magda Florea, Florin Pop, Alexandru Dumitrascu). IEEE, vol. 1, ISBN 978-1-4799-1779-2, pp. 499-505, May 2015	5	0,250	6,50	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7168474	WOS:000380375200073

16	Manea, Valentina and Carabas, Mihai and Mogosan, Lucian and Gheorghe, Laura. Native Runtime Environment for Internet of Things. In International Conference on Computer Science, Applied Mathematics and Applications. Springer International Publishing, vol. 358, ISBN 978-3-319-17995-7, ISSN 2194-5357, pp. 381–390, May 2015	4	0,250	8,13	http://link.springer.com/chapter/10.1007%2F978-3-319-17996-4_34	WOS:000380483100034
17	Condurache, Cristian and Mogosan, Lucian and Carabas, Mihai and Gheorghe, Laura and Tapus, Nicolae. Performance Evaluation of In-kernel System Calls. In Engineering of Computer Based Systems (ECBS-EERC), 2015 4th Eastern European Regional Conference on the. pp. 130 – 133, Aug 2015	5	0,250	6,50	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7275238	WOS:000380443500020
18	NICOLAE, Alexandru and Gheorghe, Laura and Carabas, Mihai and Tapus, Nicolae and Duta, Cristina-Loredana. LLDP packet generator. In RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 2015 14th. pp. 7 – 11, Sept 2015	5	0,250	6,50	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7311819	WOS:000378414300001
19	Florea, Iulia Maria and Gheorghe, Laura and Carabas, Mihai and Tapus, Nicolae. Routing Enhancements based on Evolutionary Algorithm. In 11th International Conference on Intelligent Computer Communications and Processing (ICCP 2015), pp. 491–497, 2015	4	0,250	8,13	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7312708	WOS:000377121700065
20	ANECI, Mihai Nicolae and Gheorghe, Laura and Carabas, Mihai and SORIGA, Stefan and SOMESAN, Raluca-Andreea. SDN-based security mechanism. In RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 2015 14th. pp. 12 – 17, Sept 2015	5	0,250	6,50	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=7311820	WOS:000378414300002
21	Patru, Irina-Ioana and Carabas, Mihai and Gheorghe, Laura and SORIGA, Stefan and Tapus, Nicolae. Porting Android on intel-based embedded platforms. In RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 2015 14th. pp. 18 – 22, Sept 2015	5	0,250	6,50	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7311821	WOS:000378414300003
22	ZAHAROVITS, Albert and Stegaru, Silvia Cristina and Carabas, Mihai and Slusanschi, Emil-Ioan and PRICOP, Mihai-Victor. Shared memory parallelization of the conjugate gradient linear system solver of a FEM topology optimization code. In RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 2015 14th. pp. 143 – 151, September 2015	5	0,250	6,50	http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=7311984	WOS:000378414300026
23	Trandafir, Ruxandra and Carabas, Mihai and Rughinis, Razvan and Tapus, Nicolae. FirewallPK: Security tool for centralized Access Control List management. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014. ISSN 2068-1038, pp. 1–6, September 2014	4	0,250	8,13	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6955309	WOS:000374588700017
24	Ruta, Cristian and Carabas, Mihai and Rughinis, Razvan and Tapus, Nicolae. TEMPO: Traffic engineering and management in private organizations. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014. ISSN 2068-1038, pp. 1–5, September 2014	4	0,250	8,13	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6955307	WOS:000374588700015
25	Niculaescu, Oana and Carabas, Mihai and Gheorghe, Laura and Rughinis, Razvan and Tapus, Nicolae. Graphical Packet Generator - A solution for automatic discovery of the network topology and packet generation. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014. ISSN 2068-1038, pp. 1–6, September 2014	4	0,250	8,13	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6955308	WOS:000374588700016
26	Patru, Irina-Ioana and Carabas, Mihai and Barbulescu, Mihai and RUSE, Laura. Smart home IoT system. In RoEduNet Conference: Networking in Education and Research, 2016 15th. pp. 1–6, 2016	4	0,250	8,13	http://ieeexplore.ieee.org/document/7753232/	WOS:000390713800033
27	Carabas, Costin and Carabas, Mihai. Fuzzing the Linux kernel. In 2017 Computing Conference. pp. 839–843, July 2017	2	0,250	16,25	https://ieeexplore.ieee.org/document/8252193/	WOS:000426944400109
28	Barzu, Ancuta and Barbulescu, Mihai and Carabas, Mihai. Horizontal scalability towards server performance improvement. In 2017 16th RoEduNet Conference: Networking in Education and Research (RoEduNet). pp. 1–6, 2017	3	0,250	10,83	https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8123729	WOS:000425040000001
29	Dumitriu, Paul and Carabas, Mihai and Tapus, Nicolae and Dulea, Mihnea. File caching and purging strategies in the disk pool manager. In 2017 16th RoEduNet Conference: Networking in Education and Research (RoEduNet). pp. 1–5, 2017	4	0,250	8,13	https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=8123735	WOS:000425040000007
30	Grigorean, Alin and Carabas, Mihai and Tapus, Nicolae and Dulea, Mihnea and Arsuaga-Rios, Maria. Evaluation of multi-source downloads for FTS. In 2017 16th RoEduNet Conference: Networking in Education and Research (RoEduNet). pp. 1–6, 2017	5	0,250	6,50	https://ieeexplore.ieee.org/document/8123734/	WOS:000425040000006
31	Grigorean, Alin and Carabas, Mihai and Tapus, Nicolae and Dulea, Mihnea and Arsuaga-Rios, Maria. Evaluation of multi-source downloads for FTS. In 2017 16th RoEduNet Conference: Networking in Education and Research (RoEduNet). pp. 1–6, 2017	5	0,250	6,50	https://ieeexplore.ieee.org/document/8123734/	WOS:000425040000006
32	EFTIME, Petre and Carabas, Mihai and Mogosan, Lucian and Gheorghe, Laura and Deaconescu, Razvan. VMXLINUX: IMPROVING SHIM LAYER PORTABILITY. In U.P.B. Scientific Bulletin. vol. 77, no. 4, ISSN 2286-3540, pp. 45 – 54, 2015	5	0,250	6,50	http://www.scientificbulletin.upb.ro/rev_docs_arhiva/rez8bd_822027.pdf	WOS:000421811300004
33	Gutu, G., Dascalu, M., Carabas, M., Elisei, A., Trausan-Matu, S., Nistor, N., Choi, S., Spoerl, R., & Koletzko, B. (2018). Curricula Customization with the ReaderBench Framework. In 6th Int. Workshop on Semantic and Collaborative Technologies for the Web, in conjunction with the 14th Int. Conf. on eLearning and Software for Education (eLSE 2018) (pp. 384–391). Bucharest, Romania.	9	0,250	3,61	http://proceedings.elseconference.eu/index.php?r=site/index&year=2018&index=papers&vol=28&paper=06fc477113f1ef7d82bb7d25723ff9bd	WOS:000467466800052

34	Dumitrescu, Dragos and Carabas, Mihai. Generic Data Synchronization Algorithm in Distributed Systems. In book Exploring Services Science, Springer International Publishing, ISBN 978-3-319-32689-4, pp. 473–484, 2016	2	0,250	16,25	https://link.springer.com/chapter/10.1007/978-3-319-32689-4_36	WOS:000386914200036
35	Surdu, A., Carabas, C., & Carabas, M. (2018, September). Designing a Framwork for Creating CLIs. In 2018 17th RoEduNet Conference: Networking in Education and Research (RoEduNet) (pp. 1-6). IEEE.	3	0,250	10,83	https://ieeexplore.ieee.org/abstract/document/8514138	WOS:000517570500016
36	Paulescu, L., Barbulescu, M., Vraciu, V., Carabas, M., & Cuza, A. I. (2018, September). Efficient Datacenters Management for Network and Security Operations. In 2018 17th RoEduNet Conference: Networking in Education and Research (RoEduNet) (pp. 1-5). IEEE.	4	0,250	8,13	https://ieeexplore.ieee.org/abstract/document/8514148	WOS:000517570500025
37	Budrigă, O., d'Humières, E., Ionel, L. E., Budrigă, M., & Carabaș, M. (2018, June). Laser-ion acceleration at ELI-NP. In 2018 International Conference Laser Optics (ICLO) (pp. 233-233). IEEE.	5	0,250	6,50	https://ieeexplore.ieee.org/abstract/document/8435639	WOS:000451036000233
38	Zamfir, V. A., Carabas, M., Carabas, C., & Tapus, N. (2019, May). Systems monitoring and big data analysis using the elasticsearch system. In 2019 22nd International Conference on Control Systems and Computer Science (CSCS) (pp. 188-193). IEEE.	4	0,250	8,13	https://ieeexplore.ieee.org/abstract/document/8745151	WOS:000491270300032
39	BĂRBULESCU, M., IVĂNOAICA, T., RĂPĂ, A., PĂIUȘESCU, L., & CARABAS, M. EMMA-EVOLVED MANAGEMENT AND MONITORING APPLICATION, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, Volume: 81 Issue: 4 Pages: 57-64, Published: 2019	5	0,250	6,50	https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rezff5_522152.pdf	WOS:000502008300005
40	Raducanu, A. L., Carabas, M., Barbulescu, M., Tapus, N., & Suliman, G. (2019, October). Client-server application with Android mobile phone technology. In 2019 18th RoEduNet Conference: Networking in Education and Research (RoEduNet) (pp. 1-6). IEEE.	5	0,250	6,50	https://ieeexplore.ieee.org/abstract/document/8909584/	WOS:000520513500019
41	Carabaș, M., Drăghici, A., Lupescu, G., Samoilă, C. G., & Slușanschi, E. I. (2018, August). Integrating Parallel Computing in the Curriculum of the University Politehnica of Bucharest. In European Conference on Parallel Processing (pp. 222-234). Springer, Cham.	5	0,250	6,50	https://link.springer.com/chapter/10.1007/978-3-030-10549-5_18	WOS:000529303200018
42	Voicu, E., & Carabas, M. (2018, November). Network Self-healing. In International Conference on Image Processing and Communications (pp. 200-207). Springer, Cham.	2	0,250	16,25	https://link.springer.com/chapter/10.1007/978-3-030-03658-4_24	WOS:000558392800024
43	Carabas, M., & Carabas, C. (2019, September). Instruction caching for bhyve. In Proceedings of the 6th Conference on the Engineering of Computer Based Systems (pp. 1-5).	2	0,250	16,25	https://dl.acm.org/doi/abs/10.1145/3352700.3352717	WOS:000525376600017
44	Daniela Elena ILIE .A.E. MIZERANSCHI, C.V. MIHALI, R.I. NEAMȚ, M. CARABAȘ, A.C. GRĂDINARU. THE EFFECT OF GENETIC VARIATIONS OF PITUITARY TRANSCRIPTION FACTOR 1 (PIT1) ON MILK PERFORMANCE TRAITS IN ROMANIAN CATTLE. In REVISTA ROMANA DE MEDICINA VETERINARA (pp. 87-92), ISSN 1220-3173, 2021	6	0,250	5,42	https://agmv.ro/wp-content/uploads/2021/03/87_92_Ilie_6-n.pdf	WOS:000635732100014
45	Gutu-Robu, G., Mihai, D., Dascalu, M., Carabas, M., Trausan-Matu, S., Choi, S., ... & Koletzko, B. (2020, September). Cohesion Network Analysis: Customized Curriculum Management in Moodle. In 2020 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC) (pp. 175-181). IEEE.	7	0,250	4,64	https://ieeexplore.ieee.org/abstract/document/9357085	WOS:000674702000026
46	Mitrăn, A., Mihăilescu, M. E., Mihai, D., Weisz, S., Carabas, M., & Tăpus, N. (2020, September). FreeBSD as a compute node in OpenStack. In 2020 IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP) (pp. 547-554). IEEE.	6	0,250	5,42	https://ieeexplore.ieee.org/abstract/document/9266213	WOS:000646618600070
47	Postolache, E. B., Mihai, D., Mihailescu, M. E., Weisz, S., Barbulescu, M., Carabas, M., & Tapus, N. (2020, December). Suspend feature for multiple devices of same type in bhyve. In 2020 19th RoEduNet Conference: Networking in Education and Research (RoEduNet) (pp. 1-5). IEEE.	7	0,250	4,64	https://ieeexplore.ieee.org/abstract/document/9324889	WOS:000654265900037
48	AU Martin, AC, Mihai, D, Mihailescu, ME, Carabas, M, Weisz, S. BRING-UP BHYVE ON ESPRESSOBIN BOARD. IN UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE (pp. 65-76), 2021	5	0,250	6,50	https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full2e5_932208.pdf	WOS:000628640200006
Total (A2.1)			35,81	556,52		

A2.2	Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale [20/nr.autori]	Numar autori	Punctaj	Link	DOI
Jurnale Indexate BDI					

1	Dragomir, Cosmin and Mogosanu, Lucian and Carabas, Mihai and Deaconescu, Razvan and Tapus, Nicolae. \$u\$ QC: a property-based testing framework for L4 microkernels. In International Journal of Critical Computer-Based Systems. Inderscience Publishers (IEL), vol. 8, no. 1, pp. 1--24, 2018, BDI: SCOPUS	5	4,00	https://www.inderscienceonline.com/doi/abs/10.1504/IJCCBS.2018.091826	10.1504/IJCCBS.2018.091826

Conferinte Indexate BDI

1	Dragomir, Cosmin and Mogosanu, Lucian and Carabas, Mihai and Deaconescu, Razvan and Tapus, Nicolae. Towards the Property-Based Testing of an L4 Microkernel API. In VECOS'2015 Verification and Evaluation of Computer and Communication Systems. pp. 39 -- 48, 2015, BDI: SCOPUS	5	4,00	http://ceur-ws.org/Vol-1431/paper5.pdf	
	Crooks, D., Vâlsan, L., Mohammad, K., Carabas, M., McKee, S., & Trinder, J. (2018, March). Harnessing the Power of Threat Intelligence in Grids and Clouds: WLCG SOC Working Group. In International Symposium on Grids & Clouds.	6	3,33	https://s3.cern.ch/inspire-prod-files-b/bbcd0d88ec21ad560a8aff55a506211f	
	Total (A2.2)		11,33		

A2.3.1	Proprietate intelectuala, brevete de inventie, certificate ORDA, internationale [35/nr.autori]	Numar autori	Punctaj	Link
	Total (A2.3.1)		0,00	

A2.3.2	Proprietate intelectuala, brevete de inventie, certificate ORDA, Nationale [20/nr.autori]	Numar autori	Punctaj	Link
	Total (A2.3.2)		0,00	

A2.4.1.1	Granturi / proiecte internationale castigate prin competitie - Director de proiect [20 * ani in desfasurare]	Numar ani	Punctaj	Link
1	ATTRACT - Quantum Optimization of Worldwide LHC Computing Grid data placement (QUOG-DP) - Responsabil proiect din partea Universității Politehnica din Bucuresti - Parteneri: European Laboratory for Nuclear Research (CERN), Institut Polytechnique de Grenoble (INP) - Proiect de cercetare in cadrul programului H2020 (https://phase1.attract-eu.com/wp-content/uploads/2019/05/QUOG-DP-ATTRACT.pdf) - perioada de desfasurare: August 2019 - August 2020	1,1	22	https://attract-eu.com/selected-projects/quantum-optimization-of-worldwide-lhc-computing-grid-data-placement-quog-dp/
2	PROTECTIVE - H2020 - Responsabil proiect din partea RoEduNet - Parteneri: ATHLONE INSTITUTE OF TECHNOLOGY, SYNNO GmbH, INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK, CLEAN COMMUNICATIONS LIMITED, TECHNISCHE UNIVERSITAT DARMSTADT, GMV SOLUCIONES GLOBALES INTERNET SAU, CESNET ZAJMOVE SDRUZENI PRAVNICKYCH OSOB, ITTI SP ZOO, THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD, RoEduNet - Proiect de cercetare in cadrul programului H2020 (https://cordis.europa.eu/project/id/700071) - Perioada de desfasurare: Septembrie 2016 - August 2019	3	60	https://www.protective-h2020.eu/
3	SIMARGL - H2020 - Responsabil proiect din partea RoEduNet - Parteneri: FERNUNIVERSITAT IN HAGEN, AIRBUS CYBERSECURITY SAS, CONSIGLIO NAZIONALE DELLE RICERCHE, USTAV MEZINARODNICH VZTAHU V.V.I., ITTI SP ZOO, NETZFACTOR GMBH, NUMERA SISTEMI E INFORMATICA SPA, PLURIBUS ONE SRL, SIVCO ROMANIA SA, THALES SIX GTS FRANCE SAS, POLITECHNIKA WARSZAWSKA, STICHTING CUIING FOUNDATION, ORANGE POLSKA SPOLKA AKCYJNA, RoEduNet - Proiect de cercetare in cadrul programului H2020 (https://cordis.europa.eu/project/id/833042) - Perioada de desfasurare: Mai 2019 - Aprilie 2022	3	60	https://simargl.eu/
	Total (A2.4.1.1)		142,00	

A2.4.1.2	Granturi / proiecte nationale castigate prin competitie - Director de proiect [10 * ani in desfasurare]	Numar ani	Punctaj	Link
1	SIMULATE - Simulations of Ultra-High Intensity Laser Pulse Interaction with Solid Targets - Responsabil de proiect din partea Universității Politehnica din București. - Parteneri: INFPLR, Universitatea POLITEHNICA din Bucuresti - Proiect de cercetare finanțat de Ministerul Cercetării și Inovării (MCI) prin intermediul Institutului de Fizică Atomică (IFA), câștigat prin competiție deschisă în cadrul programului ELI-RO, PNCDI III Programul 5. - Perioada de desfășurare: Noi 2017 - Dec 2020	2,2	22	http://www.ifa-mg.ro/eli/docs/rezumat_eli_2017/Fo rm%20B1_EN%20-%20%20Project%20Summary_SIMULATE.PDF
	Total (A2.4.1.2)		22,00	

A2.4.2.1	Granturi / proiecte internationale castigate prin competitie - Membru in echipa [4 * ani in desfasurare]	Numar ani	Punctaj	Link
1	Data4Water: Excellence in Smart Data and Services for Supporting Water Management H2020-TWINN-2015 - Asistent de cercetare în cadrul proiectului - Parteneri: University Politehnica of Bucharest (UPB) Romania (Coordinator); University of Milano-Bicocca (UNIMIB) Italy Fraunhofer Institute FOKUS (FOKUS) Germany; Stichting IHE Delft (UNESCO-IHE) The Netherlands - Perioada de desfasurare: 2016-2018	3	12	data4water.eu
	Total (A2.4.2.1)		12,00	

A2.4.2.2	Granturi / proiecte nationale castigate prin competitie - Membru in echipa [2 * ani in desfasurare]	Numar ani	Punctaj	Link
1	Condegrid - National contribution to the development of the LCG computing grid for elementary particle physics - Asistent de cercetare în cadrul proiectului - Parteneri: IFIN-HH, ISS, ITIM, UAIC, UPB - Perioada de desfasurare: 2016-2019	4	8	http://lcf.ifin.ro/condegrid/
2	VDAQ-CEX - Versatile approach to integrated large data aquisition system for complex ELI-NP experiments - Asistent de cercetare în cadrul proiectului - Parteneri: IFIN-HH, Universitatea POLITEHNICA din Bucuresti - Perioada de desfășurare: Noi 2017 - Dec 2020	2,2	4,4	http://www.ifa-mg.ro/eli/docs/rezumat_eli_2017/Fo rm%20B1_EN%20-%20%20Project%20Summary_VDAQ-CEX.pdf
3	SOVAREX - Tehnici de stocare si valorificare a rezultatelor cercetarilor stiintifice avansate - Asistent de cercetare în cadrul proiectului - Parteneri: IFIN-HH, INFPLR, IMT, ICECHIM, Universitatea POLITEHNICA din Bucuresti - Perioada de desfasurare: Octombrie 2017 - Dec 2018	1,2	2,4	http://sovarex.nipne.ro/
4	SCOP - Creșterea performanțelor studenților masteranzi prin practică și consiliere profesională - Responsabil tehnic - Parteneri: Universitatea POLITEHNICA din Bucuresti - Perioada de desfasurare: Iunie - Dec 2015	0,5	1	https://scop.upb.ro
5	PISA - PROFESORI INOVATORI – STUDENȚI ANTREPRENORI! - Responsabil GT Online - Parteneri: UPB, UPIT - Perioada de desfasurare: iulie 2019 - iunie 2021	2	4	https://pisa.upb.ro
6	Condegrid - National contribution to the development of the LCG computing grid for elementary particle physics - Cercetator în cadrul proiectului - Parteneri: IFIN-HH, ISS, ITIM, UAIC, UPB - Perioada de desfasurare: 2020-2021	2	4	http://lcf.ifin.ro/condegrid/

	Total (A2.4.2.2)	23,80	
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A3	Recunoasterea si impactul activitatii (A3)	169,02	
A3.1.1	Citari in carti, reviste si volume ale unor manifestari stiintifice - carti, ISI [8/nr.autori citati]	Nr. aut. art. citat	Citari ISI Punctaj
1	Gheorghe, Laura and Marin, Bogdan and Gibson, Gary and Mogosanu, Lucian and Deaconescu, Razvan and Voiculescu, Gabriel-Valentin and Carabas, Mihai. Smart Malware Detection on Android. In Security and Communication Networks (SCN). Wiley, vol. 8, no. 18, pp. 4254--4272, December 2015		
	Ab Razak, Mohd Faizal, Nor Badrul Anuar, Rosli Salleh, Ahmad Firdaus, Muhammad Faiz, and Hammoudeh S. Alamri. "Less Give More": Evaluate and zoning Android applications." Measurement 133 (2019): 396-411.	7	1,14 WOS:000449097800042
	Sharma, T., & Rattan, D. (2021). Malicious application detection in android—A systematic literature review. Computer Science Review, 40, 100373.	7	1,14 WOS:000656789000006
	Roseline, S. A., & Geetha, S. (2021). A comprehensive survey of tools and techniques mitigating computer and mobile malware attacks. Computers & Electrical Engineering, 92, 107143.	7	1,14 WOS:000663708700008
	Ab Razak, Mohd Faizal, Nor Badrul Anuar, Fazidah Othman, Ahmad Firdaus, Firdaus Afifi, and Rosli Salleh. "Bio-inspired for features optimization and malware detection." Arabian Journal for Science and Engineering 43, no. 12 (2018): 6963-6979.	7	1,14 WOS:000449936300020
	Sedano, Javier, Silvia González, Camelia Chira, Álvaro Herrero, Emilio Corchado, and José Ramón Villar. "Key features for the characterization of Android malware families." Logic Journal of the IGPL 25, no. 1 (2017): 54-66.	7	1,14 WOS:000397119600006
	Wang, C., Zhao, Y., & Mo, X. (2019). A detection model of malicious Android applications based on Naive Bayes. International Journal of Embedded Systems, 11(4), 508-515.	7	1,14 WOS:000476657200010
	Surendran, Roopak, Tony Thomas, and Sabu Emmanuel. "GSDroid: Graph Signal Based Compact Feature Representation for Android Malware Detection." Expert Systems with Applications 159 (2020): 113581.	7	1,14 WOS:000583204100021
	Ab Razak, Mohd Faizal, Nor Badrul Anuar, Rosli Salleh, and Ahmad Firdaus. "The rise of "malware": Bibliometric analysis of malware study." Journal of Network and Computer Applications 75 (2016): 58-76.	7	1,14 WOS:000386406300005
2	Carabas, Mihai and Popescu, George Pantellimon. Energy-efficient virtualized clusters. In Future Generation Computer Systems, Volume 74, Pages 151-157, September 2017		
	Popa, A. B., Stan, I. M., & Rughiniș, R. (2018, September). Instant payment and latent transactions on the Ethereum Blockchain. In 2018 17th RoEduNet Conference: Networking in Education and Research (RoEduNet) (pp. 1-4). IEEE.	2	4,00 WOS:000517570500017
	Stancu, F. A., Trancă, C. D., Chiroiu, M. D., & Rughiniș, R. (2018, September). Evaluation of cryptographic primitives on modern microcontroller platforms. In 2018 17th RoEduNet Conference: Networking in Education and Research (RoEduNet) (pp. 1-6). IEEE.	2	4,00 WOS:000517570500005
	Pop, F., Zhu, X., & Yang, L. T. (2017). MIDHDC: advanced topics on middleware services for heterogeneous distributed computing. Part 2.	2	4,00 WOS:000403624900009
	Xu, Guan; Dai, Bin; Huang, Benxiong; Yang, Jun; Wen, Sheng; Bandwidth-aware energy efficient flow scheduling with SDN in data center networks; In FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE, Volume: 68 Pages: 163-174, DOI: 10.1016/j.future.2016.08.024, Published: MAR 2017	2	4,00 WOS:000390070800012
3	Carabas, Mihai and Carabas, Costin and Gheorghe, Laura and Deaconescu, Razvan and Tapus, Nicolae. Monitoring and auditing mobile operating systems. In International Journal of Space-Based and Situated Computing. vol. 6, no. 1, pp. 54--63, 2016		
	Wei, Yuechuan, Peng Xu, and Yisheng Rong. "Related-key impossible differential cryptanalysis on lightweight cipher TWINE." Journal of Ambient Intelligence and Humanized Computing (2019): 1-9.	5	1,60 WOS:000458118400008
	Shakir, Hasan Awni, and Aws Naser Jaber. "A Short Review for Ransomware: Pros and Cons." In International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, pp. 401-411. Springer, Cham, 2017.	5	1,60 WOS:000464606800038
	Oguri, Yuki, Shogo Matsuno, and Minoru Ohyama. "Recognition of a variety of activities considering smartphone positions." International Journal of Space-Based and Situated Computing 8, no. 2 (2018): 88-95.	5	1,60 WOS:000448747500004
	Mazini, M., Shirazi, B., & Mahdavi, I. (2019). Anomaly network-based intrusion detection system using a reliable hybrid artificial bee colony and AdaBoost algorithms. Journal of King Saud University-Computer and Information Sciences, 31(4), 541-553.	5	1,60 WOS:000489003400012
	Wei, Yuechuan, Yisheng Rong, and Cunyang Fan. "Differential Fault Attacks on Lightweight Cipher LBlock." Fundamenta Informaticae 157, no. 1-2 (2018): 125-139.	5	1,60 WOS:000424025700008
4	ANECI, Mihai Nicolae and Gheorghe, Laura and Carabas, Mihai and SORIGA, Stefan and SOMESAN, Raluca-Andreea. SDN-based security mechanism. In RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 2015 14th. pp. 12 -- 17, Sept 2015		

	Massonet, Philippe, Dupont, Sebastien, Michot, Arnaud, Levin, Anna, Villari, Massimo, An Architecture for Securing Federated Cloud Networks with Service Function Chaining. In 2016 IEEE SYMPOSIUM ON COMPUTERS AND COMMUNICATION (ISCC), Pages: 38-43, Published: 2016	5	1	1,60	WOS:000386979000008
5	Patru, Irina-Ioana and Carabas, Mihai and Barbulescu, Mihai and RUSE, Laura. Smart home IoT system. In RoEduNet Conference: Networking in Education and Research, 2016 15th. pp. 1--6, 2016				
	Thieu, M. D., & Nguyen, H. N. (2021, January). Implementation of Optical Camera Communication for Indoor Presence Detection System in Smart Home Concept. In 2020 IEEE Eighth International Conference on Communications and Electronics (ICCE) (pp. 391-396). IEEE.	4	1	2,00	WOS:000670611800061
	Coman, C. M., D'amico, G., Coman, A. V., & Florescu, A. (2021). Techniques to Improve Reliability in an IoT Architecture Framework for Intelligent Products. IEEE Access, 9, 56940-56954.	4	1	2,00	WOS:000641935900001
	Nagy, L., & Coleșa, A. (2019, October). Router-based IoT Security using Raspberry Pi. In 2019 18th RoEduNet Conference: Networking in Education and Research (RoEduNet) (pp. 1-6). IEEE.	4	1	2,00	WOS:000520513500016
	Mahfuz, M. U., Nasif, A. O., Hossain, M. M., & Rahman, M. A. (2018). Integration of Renewable Energy Resources in the Smart Grid: Opportunities and Challenges. Transportation and Power Grid in Smart Cities: Communication Networks and Services, 291-325.	4	1	2,00	WOS:000482899100012
	Sahat, S. J., Tanya, J., Bandung, Y., Subekti, L. B., & Tanjung, D. (2018, October). Internet of Things: Home Monitoring and Power Management Control Based on Android. In 2018 International Symposium on Electronics and Smart Devices (ISESD) (pp. 1-6). IEEE.	4	1	2,00	WOS:000458316600019
	Fu, C., Cruz, D. S., Sun, B., & Sun, G. (2018). An IoT prototype system for environmental sustainability. International Journal of Sensor Networks, 28(3), 189-201.	4	1	2,00	WOS:000451852100005
	Asham, A. D.; Hanaa, M.; Alyoubi, Bdare; Badawood, Ashraf M.; Alharbi, Ibraheem; A Simple Integrated Smart Green Home Design in PROCEEDINGS OF THE 2017 INTELLIGENT SYSTEMS CONFERENCE (INTELLISYS), Pages: 194-197, Published: 2017, London, ENGLAND	4	1	2,00	WOS:000456827800021
6	Trandafir, Ruxandra and Carabas, Mihai and Rughinis, Razvan and Tapus, Nicolae. FirewallPK: Security tool for centralized Access Control List management. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014. ISSN 2068-1038, pp. 1--6, September 2014				
	Bylak, Michał, and Grzegorz Różański. "A hybrid method for protection against threats to a network infrastructure for an electronic warfare management system." In XI Conference on Reconnaissance and Electronic Warfare Systems, vol. 10418, p. 1041804. International Society for Optics and Photonics, 2017.	4	1	2,00	WOS:000405587400003
7	Mogosanu, Lucian and Carabas, Mihai and Condurache, Cristian and Gheorghe, Laura and Tapus, Nicolae. Evaluating Architecture-Dependent Linux Performance. In 20th International Conference on Control Systems and Computer Science (Ioan Dumitrache, Adina Magda Florea, Florin Pop, Alexandru Dumitrascu). IEEE, vol. 1, ISBN 978-1-4799-1779-2, pp. 499-505, May 2015				
	Mathew, D., Jose, B. A., Mathew, J., & Patra, P. (2020). Enabling Hardware Performance Counters for Microkernel-Based Virtualization on Embedded Systems. IEEE Access, 8, 110550-110564.	5	1	1,60	WOS:000546414000085
	Mathew, D., Jose, B. A., & Patra, P. (2019). Performance Analysis of Microkernel Based Virtualization Techniques on Embedded Systems. Journal of Low Power Electronics, 15(2), 273-281.	5	1	1,60	WOS:000474402300015
8	Carabaș, M., Drăghici, A., Lupescu, G., Samoilă, C. G., & Slușanschi, E. I. (2018, August). Integrating Parallel Computing in the Curriculum of the University Politehnica of Bucharest. In European Conference on Parallel Processing (pp. 222-234). Springer, Cham.				
	Vulcan, A. M., Nicolaie, M., & Pietraru, R. N. (2019). Visual Tool for Learning GPU Programming. eLearning & Software for Education, 1.	5	1	1,60	WOS:000473322400057
9	Carabas, Costin and Carabas, Mihai. Fuzzing the Linux kernel. In 2017 Computing Conference. pp. 839--843, July 2017				
	Shi, H., Wang, R., Fu, Y., Wang, M., Shi, X., Jiao, X., ... & Sun, J. (2019, August). Industry practice of coverage-guided enterprise linux kernel fuzzing. In Proceedings of the 2019 27th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering (pp. 986-995).	2	1	4,00	WOS:000485629300090
10	ZAHAROVITS, Albert and Stegaru, Silvia Cristina and Carabas, Mihai and Slusanschi, Emil-Ioan and PRICOP, Mihai-Victor. Shared memory parallelization of the conjugate gradient linear system solver of a FEM topology optimization code. In RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 2015 14th. pp. 143 -- 151, September 2015				
	Zhang, Y., & Hu, B. (2020). Strength Check of Aircraft Parts Based on Multi-GPU Clusters for Fast Calculation of Sparse Linear Equations. IEEE Access, 8, 77188-77203.	5	1	1,60	WOS:000531905100032

6	Zamfir, V. A., Carabas, M., Carabas, C., & Tapus, N. (2019, May). Systems monitoring and big data analysis using the elasticsearch system. In 2019 22nd International Conference on Control Systems and Computer Science (CSCS) (pp. 188-193). IEEE.				
	Guan, T., Liu, Y., Wang, H., Liang, Y., & Jin, X. (2020, May). Security Analysis of Power System User Behavior in Big Data Based on Comparative of Neural Network Methods. In 2020 5th IEEE International Conference on Big Data Analytics (ICBDA) (pp. 46-51). IEEE.	4	1	2,00	WOS:000584335400010
	Ji, Shunhui, et al. "Quality Assurance Technologies of Big Data Applications: A Systematic Literature Review." Applied Sciences 10.22 (2020): 8052.	4	1	2,00	WOS:000594928600001
	Total (A3.1.1)		33,00	65,14	

A3.1.2	Citari in carti, reviste si volume ale unor manifestari stiintifice - BDI [4/nr.autori citati]	Nr. aut. art. citat	Citari BDI, excluzand cele ISI	Punctaj
1	Gheorghe, Laura and Marin, Bogdan and Gibson, Gary and Mogosanu, Lucian and Deaconescu, Razvan and Voiculescu, Gabriel-Valentin and Carabas, Mihai. Smart Malware Detection on Android. In Security and Communication Networks (SCN). Wiley, vol. 8, no. 18, pp. 4254-4272, December 2015			
	Faizi, Salman, and Shawon Rahman. "Secured Cloud for Enterprise Computing." Proceedings of 34th International Confer 58 (2019): 356-367. BDI: SCOPUS	7	1	0,57143
	Surendran, R., Thomas, T., & Emmanuel, S. (2020). GSDroid: Graph Signal Based Compact Feature Representation for Android Malware Detection. Expert Systems with Applications, 113581.	7	1	0,57143
2	Niculaescu, Oana and Carabas, Mihai and Gheorghe, Laura and Rughinis, Razvan and Tapus, Nicolae. Graphical Packet Generator - A solution for automatic discovery of the network topology and packet generation. In RoEduNet Conference 13th Edition: Networking in Education and Research Joint Event RENAM 8th Conference, 2014. ISSN 2068-1038, pp. 1-6, September 2014			
	Smekal, David, Jan Hajny, and Zdenek Martinasek. "Packet generators on field programmable gate array platform." In 2017 40th International Conference on Telecommunications and Signal Processing (TSP), pp. 97-100. IEEE, 2017. BDI: IEEE xplor	5	1	0,8
3	NICOLAE, Alexandru and Gheorghe, Laura and Carabas, Mihai and Tapus, Nicolae and Duta, Cristina-Loredana. LLDP packet generator. In RoEduNet International Conference - Networking in Education and Research (RoEduNet NER), 2015 14th. pp. 7 -- 11, Sept 2015			
	Kalghoum, A., & Gammar, S. M. (2017, March). Towards new information centric networking strategy based on software defined networking. In 2017 IEEE Wireless Communications and Networking Conference (WCNC) (pp. 1-6). BDI: IEEE xplor	5	1	0,8
4	Carabas, Mihai and Carabas, Costin and Gheorghe, Laura and Deaconescu, Razvan and Tapus, Nicolae. Monitoring and auditing mobile operating systems. In International Journal of Space-Based and Situated Computing. vol. 6, no. 1, pp. 54-63, 2016			
	Mazini, Mehrnaz, Babak Shirazi, and Iraj Mahdavi. "Anomaly network-based intrusion detection system using a reliable hybrid artificial bee colony and AdaBoost algorithms." Journal of King Saud University-Computer and Information Sciences (2018). BDI: Elsevier	5	1	0,8
5	Patru, Irina-Ioana and Carabas, Mihai and Barbulescu, Mihai and RUSE, Laura. Smart home IoT system. In RoEduNet Conference: Networking in Education and Research, 2016 15th. pp. 1-6, 2016			
	Turab, NIDAL M. "IoT wireless home automation technologies and their relation to specific absorption rate." Journal of Theoretical and Applied Information Technology 96, no. 14 (2018): 4597-4609. BDI: SCOPUS	4	1	1
	Jain, Nikhil, Mitali Desai, and Dipti P Rana. "Empirical Comparison of IoT Based Smart Home Models." International Journal of Computational Intelligence & IoT 2, no. 2 (2019). BDI: ELSEVIER	4	1	1
	Fu, Cynthia, David Sta Cruz, Bo Sun, and Guang Sun. "An IoT prototype system for environmental sustainability." International Journal of Sensor Networks 28, no. 3 (2018): 189-201., BDI: SCOPUS	4	1	1
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10	Mogosanu, Lucian and Carabas, Mihai and Condurache, Cristian and Gheorghe, Laura and Tapus, Nicolae. Evaluating Architecture-Dependent Linux Performance. In 20th International Conference on Control Systems and Computer Science (Ioan Dumitrache, Adina Magda Florea, Florin Pop, Alexandru Dumitrascu). IEEE, vol. 1, ISBN 978-1-4799-1779-2, pp. 499-505, May 2015			
	Mathew, D., Jose, B. A., & Patra, P. (2019). Performance Analysis of Microkernel Based Virtualization Techniques on Embedded Systems. Journal of Low Power Electronics, 15(2), 273-281.	5	1	0,8
	Mathew, D., Jose, B. A., Mathew, J., & Patra, P. (2020). Enabling Hardware Performance Counters for Microkernel-Based Virtualization on Embedded Systems. IEEE Access, 8, 110550-110564.	5	1	0,8
	Total (A3.1.2)		25,00	23,88

A3.2.1	Prezentari invitate in plenul unor manifestari stiintifice internationale si profesor invitat [10p/activitate]	Punctaj	Link
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1	Prezentare invitata (Finalizing booting requirements for a guest running under bhyvearm), Tokyo University of Science, Tokyo, Japan, AsiaBSDCon 2019, March 21-24, 2019		10,00	https://2019.asiabsdcon.org
2	Prezentare invitata (Implementing a Virtual Generic Interrupt Controller for the FreeBSD Hypervisor), Tokyo University of Science, Tokyo, Japan, AsiaBSDCon 2018, March 8-11, 2018		10,00	https://2018.asiabsdcon.org
3	Prezentare invitata (bhyve ARM - Current State Analysis and An Overview of the Porting Process to Hardware Platforms), Tokyo University of Science, Tokyo, Japan, AsiaBSDCon 2017, March 9-12, 2017		10,00	https://2017.asiabsdcon.org/
4	Prezentare invitata (bhyve ATA emulation), Tokyo University of Science, Tokyo, Japan, AsiaBSDCon 2016, March 10-13, 2016		10,00	https://2016.asiabsdcon.org/
5	Prezentare invitata (Instruction caching for bhyve), Tokyo University of Science, Tokyo, Japan, AsiaBSDCon 2015, March 12-15, 2015		10,00	https://2015.asiabsdcon.org/
Total (A3.2.1)			50,00	

A3.2.2	Prezentari invitate in plenumul unor manifestari stiintifice nationale si profesor invitat [5p/activitate]	Punctaj	Link
Total (A3.2.2)			0,00

A3.3.1	Membru in colectivele de redactie sau comitete stiintifice al revistelor, organizator de manifestari stiintifice, internationale indexate ISI [10p]	Punctaj	Link
1	Organizator de manifestare stiintifica - RoEduNet 2016	10	https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7753198
2	Membru in comitetul stiintific al conferintei RoEduNet 2019	10	https://conference.roedu.net/index.php/roedunetconf/2019/about/organizingTeam
3	Membru in comitetul stiintific al conferintei RoEduNet 2020	10	https://conference.roedu.net/index.php/roedunetconf/2020/about/organizingTeam
Total (A3.3.1)			30,00

A3.3.2	Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, indexate BDI [6p]	Punctaj	Link
1			
2			
3			
Total (A3.3.2)			0,00

A3.3.3	Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, nationale si internationale neindexate [3p]	Punctaj	Link
1			
2			
3			
Total (A3.3.3)			0,00

A3.4.1	Premii in domeniu - Academia Romana, ASTR, academii de ramura, premii internationale [15p]	Punctaj	Link
1			
2			
3			
Total (A3.4.1)			0,00

A3.4.2	Premii in domeniu - premii nationale in domeniu [5p]	Punctaj	Link
1			
2			
3			
	Total (A3.4.2)	0,00	