

Fișa de verificare

Numele și prenumele candidatului: Nicoleta Cristina GĂITAN
Denumirea postului didactic: conferențiar / profesor, Poziția 10

Standarde minimale pentru ocuparea prin concurs a posturilor vacante ale universității:

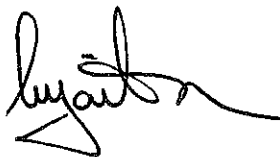
Nr. crt.	Denumire standard	Documentele care dovedesc îndeplinirea standardelor
1.	Doctor	Copia legalizată a diplomei de doctor
2.	Media examenului de finalizare a studiilor	Copia diplomei de licență și de disertație
3.	Pentru postul didactic de profesor universitar	Nu este cazul.

Punctaj pentru performanțe didactice și cercetare științifică - conferențiar universitar și profesor universitar.

Nr. crt.	Denumire standard conform Ordinului MEN nr. 6129/2016	Documentele care dovedesc îndeplinirea standardelor	Punctaj
1.	A1 - Activitatea didactică și profesională	Conform anexei, subsecțiunea A1.1.1 Cărți și capitole în cărți de specialitate în edituri internaționale recunoscute	75
		Conform anexei, subsecțiunea A1.2.1. Material didactic/Lucrări didactice publicate în edituri cu ISBN	60
2.	A2 - Activitatea de cercetare	Conform anexei, subsecțiunea A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI Proceedings	778,27
		Conform anexei, subsecțiunea A2.2 Articole în reviste cotate și în volumele unor manifestări științifice indexate în baze de date internaționale	40
		Conform anexei, subsecțiunea A2.4.1.2 Granturi / proiecte naționale câștigate prin competiție - Director/ responsabil	30
		Conform anexei, subsecțiunea A2.4.2.2 Granturi / proiecte naționale câștigate prin competiție - Membru în echipă	45,2
3.	A3 - Recunoașterea și impactul activității	Conform anexei, subsecțiunea A3.1.1 Citări în cărți, reviste și volume ale unor manifestări științifice – cărți, ISI	583,43

TOTAL PUNCTAJ: 1611,9 puncte

Întocmit,
Nume, prenume și semnătură candidat
GĂITAN Nicoleta Cristina



Data,
09 Iunie 2021

ANEXA LA FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIEREA TITLURILOR DIDACTICE

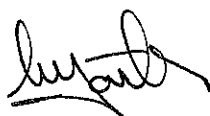
CONFERENȚIAR

Domeniul: Calculatoare, tehnologia informației și ingineria sistemelor

Condiții minimale[Punctaj]	Minim prevăzut	Realizat
A1 - Activitatea didactică și profesională	50	135
A2 - Activitatea de cercetare	300	893,47
A3 - Recunoașterea și impactul activității	50	583,43
Total	400	1611,9
Condiții minimale obligatorii pe subcategorii [Număr]		
A1.1.1 – A1.1.2 - Cărți și capitole în cărți de specialitate în edituri recunoscute	1 carte/capitol	5
A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI Proceedings	6 din care una in Q1 sau Q2	31 din care 6 in Q1 si Q2
A2.1.4 - Granturi/proiecte câștigate prin competiție (Director/Responsabil)	1	2
A3.1.1 – A3.1.2 – Număr de citări în cărți, reviste și în volume ale unor manifestări științifice ISI sau BD	10	168
Factor de impact cumulat pentru publicații	4	28,793

A1 - Activitatea didactică și profesională	135
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A1.1.1 Cărți și capitole în cărți de specialitate în edituri internaționale recunoscute		
Nr.	Denumire	Punctaj
1	Vasile Gheorghită Găitan, Nicoleta Cristina Găitan, Ioan Ungurean Valentin Popa, "Utilizarea specificațiilor OPC DA pentru implementarea aplicațiilor distribuite de tip SCADA", Editura DrukArt Cernăuți, ISBN 978-966-2021-69-1, 328 pg. http://www.irbis-nbuv.gov.ua/cgi-bin/irbis_nbuv/cgiirbis_64.exe	12,5
2	Nicoleta-Cristina GĂITAN, Vasile Gheorghită GĂITAN, Ioan UNGUREAN, Valentin POPA – „Utilizarea specificațiilor OPC DA pentru implementarea aplicațiilor distribuite de tip SCADA- implementare, utilizare, Editura DrukArt, Cernăuți, Ucraina, ISBN 978-617-7172-20-7. http://www.irbis-nbuv.gov.ua/cgi-bin/irbis_nbuv/cgiirbis_64.exe?C21COM=S&I21DBN=EC&P21DBN=EC&S21FMT=brief&S21ALL=(%3C.%3EU%3D%D0%97965,5%3C.%3E)&Z21ID=&S21SRW=dz&S21SRD=&S21STN=1&S21REF=10&S21CNR=20 Link-ul merge doar din Internet Explorer	12,5
3	Nicoleta-Cristina GĂITAN, “Contribuții privind dezvoltarea arhitecturală a sistemelor distribuite de timp real”, editura MATRIX ROM, Bucuresti, Romania, ISBN 978-606-25-0439-7. https://www.matrixrom.ro/produs/contributii-privind-dezvoltarea-arhitecturala-a-sistemelor-distribuite-de-timp-real/	50
Total:		75

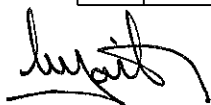


A1.2.1. Material didactic / Lucrări didactice publicate în edituri cu ISBN		
Nr.	Denumire	Punc-taj
1	Nicoleta-Cristina GĂITAN, "ARHITECTURA SISTEMELOR DE CALCUL", editura MATRIX ROM, Bucuresti, Romania, ISBN 978-606-25-0483-0. https://www.matrixrom.ro/produs/arhitectura-sistemelor-de-calcul-aplicatii-teoretice-si-practice/	40
2	Ioan UNGUREAN, Nicoleta-Cristina GĂITAN, "SISTEME ÎN TIMP REAL", editura MATRIX ROM, Bucuresti, Romania, ISBN 978-606-25-0468-7. https://www.matrixrom.ro/produs/sisteme-in-timp-real-indrumar-de-laborator/	20
Total:		60

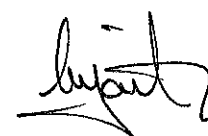
A2 - Activitatea de cercetare	893,47
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A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI Proceedings				
Nr.	Denumire	Nr. aut.	Fact. Imp.	Punc-taj
1	V. G. GĂITAN, V. POPA, C. TURCU, N. C. GAITAN, I. UNGUREAN, The Uniform Engineering of Distributed Control Systems Using the OPC Specification, Advances in Electrical and Computer Engineering, Volume 8, Number 2, 2008, pag 71-77, ISSN 1582-7445. Factor Impact: 1.102. https://doi.org/10.4316/aece.2008.02013	5	1,102	11,612
2	Gaitan, V; Popa, V; Ungurean, I; Gaitan, NC, The Integration Of Real Device Capabilities In Distributed Applications Based On Opc Tehnology, 12th WSEAS International Conference on Computers, Heraklion, GREECE, pp.148-152, JUL 23-25, 2008, ISBN:978-960-6766-85-5. http://www.sisconresearch.ro/papers/popa_2008-wseas.pdf	4	0,25	8,125
3	N. C. Gaitan, V. G. Gaitan, S. G. Pentiu, I. Ungurean, E. Dodi, Middleware Based Model of Heterogeneous Systems for SCADA Distributed Applications, Advances in Electrical and Computer Engineering, vol. 10, no. 2, 2010, pp. 121-124, ISSN 1582-7445, Factor Impact: 1.102. https://doi.org/10.4316/aece.2010.02021	5	1,102	11,612
4	N.C GAITAN, Real-time Acquisition of the Distributed Data by using an Intelligent System, Electronics and Electrical Engineering. - Kaunas: Technologija, 2010, No. 8(104), pp. 13-18, ISSN: 1392-1215. Factor Impact: 0.707. https://eejournal.ktu.lt/index.php/elt/article/view/9199	1	0,707	46,21
5	Gaitan, V.G.; Ungurean, I.; Gaitan, N.C.; Popa, V., "Keeping industrial systems and communicators up-to-date using interoperable communicating components and electronic data sheets," EUROCON 2009, EUROCON '09. IEEE , vol., no., pp.371,378, 18-23 May 2009. https://doi.org/10.1109/EURCON.2009.5167658	4	0,25	8,125

6	Ungurean, Ioan, and Nicoleta-Cristina Gaitan . "Speech analysis for medical predictions based on Cell Broadband Engine." In Signal Processing Conference (EUSIPCO), 2012 Proceedings of the 20th European, pp. 1733-1736. IEEE, 2012. http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=6334288	2	0,25	16,25
7	Gaitan, Vasile-Gheorghita; Gaitan, Nicoleta-Cristina ; Ungurean, Ioan. "A flexible acquisition cycle for incompletely defined fieldbus protocols". ISA transactions 53.3 (2014): 776-786, ISSN: 0019-0578, DOI: 10.1016/j.isatra.2014.02.006 Factor impact (2013): 4.305 , SRI (2013): 1.366 (Q1) https://doi.org/10.1016/j.isatra.2014.02.006	3	4,305	51,38
8	Ungurean, Ioan, V.G. Gaitan, and N.C. Gaitan . "Intensive computing on a large data volume with a short-vector single instruction multiple data processor." Computers & Digital Techniques, IET 8(5), 2014, pp. 219-228, ISSN: 1751-8601, DOI: 10.1049/iet-cdt.2013.0149. F.I: 0.803, S.R.I : 0.413 (Q3) https://doi.org/10.1049/iet-cdt.2013.0149	3	0,803	16,363
9	Ungurean, Ioan, Nicoleta-Cristina Gaitan , and Vasile Gheorghita Gaitan. "An IoT architecture for things from industrial environment." Communications (COMM), 10th International Conference on. IEEE, 2014, DOI: 10.1109/ICComm.2014.6866713 https://doi.org/10.1109/icomm.2014.6866713	3	0,25	10,833
10	Gaitan, Nicoleta-Cristina , Vasile Gheorghita Gaitan, and Ioan Ungurean. "An IoT Middleware Framework for Industrial Applications." International Journal Of Advanced Computer Science And Applications 7.9 (2016): 31-41 https://doi.org/10.14569/ijacsa.2016.070905	3	0,25	10,833
11	Ioan Ungurean, Nicoleta Cristina Gaitan and Vasile Gheorghita Gaitan, "A Middleware Based Architecture for the Industrial Internet of Things", KSII Transactions on Internet and Information Systems, vol. 10, no. 7, pp. 2874-2891, 2016. DOI: 10.3837/tiis.2016.07.001, Factor impact: 0.648, SRI: 0.2. https://doi.org/10.3837/tiis.2016.07.001	3	0,648	14,813
12	Gaitan, Vasile Gheorghita, Nicoleta Cristina Gaitan , and Ioan Ungurean. "CPU Architecture Based on a Hardware Scheduler and Independent Pipeline Registers." (2014). F.I: 2.037, S.R.I: 1.598 (Q2) https://doi.org/10.1109/TVLSI.2014.2346542	3	2,037	28,703
13	GAITAN, Nicoleta Cristina , Gaitan, V. G., Ungurean, I., & Zagan, I. "Methods to Improve the Performances of the Real-Time Operating Systems for Small Microcontrollers." In: Control Systems and Computer Science (CSCS), 2015 20th International Conference on. IEEE, 2015. p. 261-266. https://doi.org/10.1109/cscs.2015.10	4	0,25	8,125
14	Cristina Nicoleta Gaitan , Ionel Zagan, Vasile Gheorghita Gaitan, - Predictable CPU Architecture Designed for Small Real-Time Application - Concept and Theory of Operation, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 6, No.4, 2015, pp. 47 - 52, E-ISSN 2156-5570 http://thesai.org/Publications/ViewIssue?volume=6&issue=4&code=IJACSA https://doi.org/10.14569/ijacsa.2015.060406	3	0,25	10,833
15	GAITAN, Nicoleta Cristina . MCIP Client Application for	1	0,25	32,5



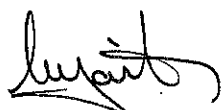
	SCADA in Iiort Environment. International Journal of Advanced Computer Science & Applications, 1.6: 158-163, sept.2015. https://doi.org/10.14569/ijacsa.2015.060921			
16	Nicoleta-Cristina Gaitan , Vasile Gheorghita Gaitan and Ioan Ungurean. A Survey on the Internet of Things Software Architecture. International Journal of Advanced Computer Science and Applications (IJACSA), 6 (12), 2015. https://doi.org/10.14569/ijacsa.2015.061219	3	0,25	10,833
17	GAITAN, Nicoleta Cristina ; ANDRIES, Lucian. Using Dual Priority scheduling to improve the resource utilization in the nMPRA microcontrollers. In: Development and Application Systems (DAS), 2014 International Conference on. IEEE, 2014. p. 73-78, DOI:10.1109/DAAS.2014.6842431. https://doi.org/10.1109/daas.2014.6842431	2	0,25	16,25
18	GAITAN, Nicoleta Cristina ; GAITAN, Vasile Gheorghita ; MOISUC, Elena-Eugenia Ciobanu. Improving interrupt handling in the nMPRA. In: Development and Application Systems (DAS), 2014 International Conference on. IEEE, 2014. p. 11-15. https://doi.org/10.1109/daas.2014.6842419	3	0,25	10,833
19	I. Ungurean, V. G. Gaitan and N. C. Gaitan, "A distributed software architecture for remote monitor and control of the smart buildings," Computational Intelligence for Multimedia Understanding (IWCIM), 2015 International Workshop on, Prague, 2015, pp. 1-5. https://doi.org/10.1109/IWCIM.2015.7347090	3	0,25	10,833
20	I. Ungurean and N. C. Gaitan, "Monitoring and control system for smart buildings based on OPC UA specifications," 2016 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2016, pp. 82-85. https://doi.org/10.1109/DAAS.2016.7492552	2	0,25	16,25
21	N. C. Gaitan , V. G. Gaitan, I. Ungurean, "Gradual Development of an IoT Architecture for Real-World Things ", 9th IEEE European Modelling Symposium on Mathematical Modelling and Computer Simulation 6 - 8 October 2015, Madrid, Spain, pp. 344-349. https://doi.org/10.1109/ems.2015.57	3	0,25	10,833
22	Gaitan, Nicoleta Cristina . "Enhanced interrupt response time in the nMPRA based on embedded real time microcontrollers." Advances in Electrical and Computer Engineering 17.3 (2017): 77-84. https://doi.org/10.4316/aecce.2017.03010	1	1,102	58,06
23	Zagan, Ionel, Nicoleta Cristina Gaitan , and Vasile Gheorghita Gaitan. "An Approach of nMPRA Architecture using Hardware Implemented Support for Event Prioritization and Treating." INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 8.2 (2017): 40-45. https://doi.org/10.14569/IJACSA.2017.080206	3	0,25	10,833
24	I. Ungurean and N. C. Gaitan, "Performance analysis of tasks synchronization for real time operating systems," 2018 International Conference on Development and Application Systems (DAS), Suceava, 2018, pp. 63-66. https://doi.org/10.1109/daas.2018.8396072	2	0,25	16,25
25	Nicoleta Cristina GAITAN and Ioan Ungurean, "Software vs	2	0,25	16,25



	Hardware Implementations for Real-Time Operating Systems” International Journal of Advanced Computer Science and Applications (IJACSA), 9(12), 2018. https://doi.org/10.14569/ijacsa.2018.091206			
26	PITU, Floarea; GAITAN, Nicoleta Cristina . Surveillance of SigFox technology integrated with environmental monitoring. In: 2020 International Conference on Development and Application Systems (DAS). IEEE, 2020. p. 69-72. https://doi.org/10.1109/das49615.2020.9108957	2	0,25	16,25
27	GAITAN, Nicoleta Cristina , and Paula HOJBOTA. "Forest Fire Detection System using LoRa Technology." INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 11.5 (2020): 18-21. https://doi.org/10.14569/ijacsa.2020.0110503	2	0,25	16,25
28	Ungurean, Ioan, and Nicoleta Cristina Gaitan . "A Software Architecture for the Industrial Internet of Things—A Conceptual Model." Sensors 20.19 (2020): 5603. Factor Impact (2019): 3,275 (Q1) . https://doi.org/10.3390/s20195603	2	3,275	61,625
29	Gaitan, Nicoleta Cristina ; Ungurean, Ioan. "BACnet Application Layer over Bluetooth—Implementation and Validation". Sensors 2021, 21(2), 538. Factor Impact (2019): 3,275 (Q1) , SRI: 1,256 . https://doi.org/10.3390/s21020538	2	3,275	61,625
30	Gaitan, Nicoleta Cristina . A Long-Distance Communication Architecture for Medical Devices Based on LoRaWAN Protocol. Electronics. 2021, 10(8):940. https://doi.org/10.3390/electronics10080940	1	2,412	97,36
31	Ungurean, Ioan; Gaitan, Nicoleta Cristina . 2021. "Software Architecture of a Fog Computing Node for Industrial Internet of Things". Sensors 2021, 21, 3715. Factor Impact (2019): 3,275 (Q1), SRI: 1,256. https://doi.org/10.3390/s21113715	2	3,275	61,625
Total:		28,793	778,27	

A2.2 Articole în reviste cotate și în volumele unor manifestări științifice indexate în baze de date internaționale (BDI)

Nr.	Denumire	Nr. aut.	Punctaj
1	Ungurean, Ioan, Nicoleta-Cristina Gaitan , and Vasile Gheorghita Gaitan. "Transparent Interaction of SCADA Systems Developed Over Different Technologies", 18th International Conference on System Theory, Control and Computing, October 17-19, 2014, Sinaia, Romania, BDI: IEEE. https://doi.org/10.1109/icstcc.2014.6982462	3	6.67
2	Nicoleta-Cristina Gaitan . "An Uniform Description Solution for Devices Based on DCON ASCII Protocol", 18th International Conference on System Theory, Control and Computing, October 17-19, 2014, Sinaia, Romania, BDI: IEEE. https://doi.org/10.1109/icstcc.2014.6982520	1	20
3	Ungurean, I., Chi, J., Wang, K., Gaitan, N. C. , Yao, H., & Yang, Y. (2019, August). Mobile ZigBee Network in a High RF Interference Environment. In 2019 International Conference on Sensing and Instrumentation in IoT	6	3,33

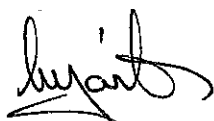


	Era (ISSI) IEEE. p. 1-5. https://doi.org/10.1109/issi47111.2019.9043705		
4	GAITAN, Nicoleta Cristina ; UNGUREAN, Ioan. Internet of M-Health Things System for Remote EKG Monitoring. In: 2019 International Conference on Sensing and Instrumentation in IoT Era (ISSI). IEEE, 2019. p. 1-4. https://doi.org/10.1109/issi47111.2019.9043668	2	10
Total:			40

A2.4.1.2 Granturi / proiecte naționale câștigate prin competiție - Director/ responsabil			
Nr.	Denumire	Ani	Punc-taj
1	Realizarea unui convertor de limbaj care sa permita integrarea aparaturii produse de principalii producatori de automatizari in solutiile de tip „cladire inteligenta si „cladire sustenabila”, ID/Cod SMIS; ID 1 108/ SMIS-CSNR 32744, Nr . Contract: 322/16.07.2011, Programul POS CCE, Axa 2 'Domeniul Competitivitate prin Cercetare, Dezvoltare Tehnologica si Inovare – responsabil proiect (firma PRO ING S.R.L Suceava)	1,5 (18 luni)	15
2.	PN III: Programul 2 - Creșterea competitivității economiei românești prin cercetare, dezvoltare și inovare; Dispozitiv experimental demonstrativ pentru validarea și testarea micocontrolerului nMPRA de timp real utilizand arhitectura MIPS32; NR. 220PED/2017 – director proiect http://www.mips32-220ped.usv.ro/index.html	1,5 (18 luni)	15
Total:			30

A2.4.2.2 Granturi / proiecte naționale câștigate prin competiție - Membru în echipă			
Nr.	Denumire	Ani	Punc-taj
1	Grid pentru dezvoltarea aplicațiilor de recunoașterea formelor și inteligență artificială distribuită -GRIDNORD, Contract 80/13.09.2007, PNII – CAPACITĂȚI, Director: prof.dr.ing. Ștefan Gheorghe PENTIUC – membru cercetator http://www.eed.usv.ro/gridnord/html/echipa.html	2	4
2	Interacțiunea gestuală cu sistemele informatice și robotice – INTEROB, 31-CEEX-II03/02.10.2006, Director: prof.dr.ing. Ștefan Gheorghe PENTIUC – membru cercetator http://www.eed.usv.ro/interob/html/genpro.html	2,25 (27 luni)	4,5
3	Sistem pentru terapia personalizată a tulburărilor de expresie lingvistică – TERAPERS, 56-CEEX II03/27.07.2006. Director: prof.dr.ing. Ștefan Gheorghe PENTIUC – membru cercetator http://www.eed.usv.ro/terapers/html/genpro.html	2,25 (27 luni)	4,5
4	Sistem metropolitan eterogen pentru monitorizarea datelor specifice consumului de utilități – SMEDU, Contract nr. 80/25.09.2007, Program PNII- INOVARE, Director: prof.dr.ing. Cornel TURCU (SC Elsaco SA) – membru cercetator Nu există pe Internet componența echipei, am depus la dosar o adeverință prin care se atestă participarea în acest proiect.	2	4
5	Sistem informatic pentru controlul și verificarea autenticității	3	6

	produselor – ATPROD, Contract 12-082/01.10.2008 Program PNII – Parteneriate, Director: prof.dr.ing. Valentin POPA – membru cercetator Nu există pe Internet componenta echipei, am depus la dosar o adeverință prin care se atestă participarea în acest proiect.		
6	Performanța sustenabilă în cercetarea doctorală și post doctorală – PERFORM, Cod proiect: POSDRU/159/1.5/S/138963, Director: prof.dr.ing. Cornel TURCU (Universitatea Ștefan cel Mare) – membru cercetator http://perform.usv.ro/rezultate.php	1,6 (18 luni)	3,2
7	Proiectul „Creșterea competitivității Clusterului Regional Inovativ EURONEST IT&C Hub și stimularea interacțiunilor dintre membri pentru dezvoltarea de produse și servicii de înaltă tehnologie”. Cod SMIS 49786, POSCCE 2007-2013, Axa 1, DMI 1.3, Operațiunea 1.3.3., proiectul finanteaza 2 proiecte de cercetare, USV conduce proiectul SisConGes "Dezvoltarea unui sistem reconfigurabil pentru controlul cladirilor inteligente si gestionarea energiilor provenite din surse regenerabile", Cercetator stiintific II conform contractului atasat.	0.10 (10 luni)	1,8
8	Proiect MANSiD, POSCCE, Axa prioritara 2, "Centrului integrat de cercetare, dezvoltare și inovare pentru Materiale Avansate, Nanotehnologii și Sisteme Distribuite de fabricație și control (MANSiD)", membru cercetator http://mansid.usv.ro/laborator_08.html	2	4
9	Proiect CENTRIC - "Centru pentru transferul de cunoștințe către întreprinderi din domeniul ICT – CENTRIC", proiect cofinanțat din Fondul European de Dezvoltare Regională prin Programul Operațional Competitivitate 2014-2020, Cod SMIS 2014+ 119722, contract de finanțare nr. 5/AXA 1/1.2.3/G/13.06.2018 (2018-2023) – expert implementare http://centric.usv.ro/pag2.php	1	2
10	Proiectul privind Învățământul Secundar (ROSE), Schema de Granturi pentru Universități - Categorie de grant SGNU, Titlul subproiectului: MASI (Motivație Academica în Științe Inginerești), Acord de grant nr. 74/SGU/NC/I din 13.12.2017 – membru.	1.6	3,2
11	POCU - "Centru pentru transferul de cunoștințe către întreprinderi din domeniul ICT – CENTRIC", proiect cofinanțat din Fondul European de Dezvoltare Regională prin Programul Operațional Competitivitate 2014-2020, Cod SMIS 2014+ 119722, contract de finanțare nr. 5/AXA 1/1.2.3/G/13.06.2018 (2018-2023), Contract subsidiar nr. 15682/02.09.2020/CrioDrive/Mechatronics Inovation Center – responsabil tehnic.	2	4
12	POCU - "Centru pentru transferul de cunoștințe către întreprinderi din domeniul ICT – CENTRIC", proiect cofinanțat din Fondul European de Dezvoltare Regională prin Programul Operațional Competitivitate 2014-2020, Cod SMIS 2014+ 119722, contract de finanțare nr. 5/AXA 1/1.2.3/G/13.06.2018 (2018-2023), Contract subsidiar nr. 15567/01.09.2020/DIW-PADCU/Fragar – responsabil tehnic.	2	4
Total:			45,2

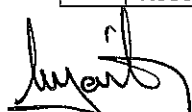


A3 - Recunoașterea și impactul activității **583,43**

A3.1.1 Citări în cărți, reviste și volume ale unor manifestări științifice – cărți, ISI			
Nr.	Denumire	Nr. aut. art. citat	Punctaj
1	<p>Articolul: Ungurean, I.; Gaitan, N.-C.; Gaitan, V.G., "An IoT architecture for things from industrial environment," Communications (COMM), 2014 10th International Conference on , vol., no., pp.1,4, 29-31 May 2014 doi: 10.1109/ICComm.2014.6866713:</p> <p>46 citari din care 14 Q1/Q2</p> <p>Punctaj $(32*8+14*16)/3 = 160$</p> <p>Record 1 of 46 Title: An IoT-Based Network for Smart Urbanization Author(s): Saeed, SA (Saeed, Sabeeh Ahmad); Khan, FZ (Khan, Farrukh Zeeshan); Iqbal, Z (Iqbal, Zeshan); Alroobaea, R (Alroobaea, Roobaea); Ahmad, M (Ahmad, Muneer); Talha, M (Talha, Muhammad); Raza, MA (Raza, Muhammad Ahsan); Ali, I (Ali, Ihsan) Source: WIRELESS COMMUNICATIONS & MOBILE COMPUTING Volume: 2021 Article Number: 5584667 DOI: 10.1155/2021/5584667 Published: APR 5 2021 Accession Number: WOS:000641742500002 ISSN: 1530-8669 eISSN: 1530-8677</p> <p>Record 2 of 46 – Q1 Title: Cyber-physical systems architectures for industrial internet of things applications in Industry 4.0: A literature review Author(s): Pivoto, DGS (Pivoto, Diego G. S.); de Almeida, LFF (de Almeida, Luiz F. F.); Righi, RD (Righi, Rodrigo da Rosa); Rodrigues, JJPC (Rodrigues, Joel J. P. C.); Lugli, AB (Lugli, Alexandre Baratella); Alberti, AM (Alberti, Antonio M.) Source: JOURNAL OF MANUFACTURING SYSTEMS Volume: 58 Pages: 176-192 DOI: 10.1016/j.jmsy.2020.11.017 Part: A Published: JAN 2021 Accession Number: WOS:000620668400007 ISSN: 0278-6125 eISSN: 1878-6642</p> <p>Record 3 of 46 Title: A Survey on Architecture, Protocols and Challenges in IoT Author(s): Sobin, CC (Sobin, C. C.) Source: WIRELESS PERSONAL COMMUNICATIONS Volume: 112 Issue: 3 Pages: 1383-1429 DOI: 10.1007/s11277-020-07108-5 Published: JUN 2020 Accession Number: WOS:000536662300005 ISSN: 0929-6212 eISSN: 1572-834X</p> <p>Record 4 of 46 – Q2 Title: Effective peer-to-peer design for supporting range query in Internet of Things applications Author(s): Djellabi, B (Djellabi, Brahim); Younis, M (Younis, Mohamed); Amad, M (Amad, Mourad) Source: COMPUTER COMMUNICATIONS Volume: 150 Pages: 506-518 DOI: 10.1016/j.comcom.2019.12.017 Published: JAN 15 2020 Accession Number: WOS:000514749000049 ISSN: 0140-3664 eISSN: 1873-703X</p> <p>Record 5 of 46 Title: Enhancing Reliability and Fault Tolerance in IoT Author(s): Vedavalli, P (Vedavalli, Perigisetty); Ch, D (Ch, Deepak) Book Group Author(s): IEEE</p>	3	160



<p>Source: 2020 INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND SIGNAL PROCESSING (AISP) Published: 2020 Accession Number: WOS:000571180100026 Conference Title: International Conference on Artificial Intelligence and Signal Processing (AISP) Conference Date: JAN 10-12, 2020 Conference Location: VIT AP Univ, Amaravati, INDIA Conference Sponsors: IEEE Guntur Sub Sect, IEEE Hyderabad Sect, CSIR ISBN: 978-1-7281-4458-0; 978-1-7281-4456-6</p> <p>Record 6 of 46 Title: Securing IoT Devices using Geographic and Continuous Login Blocking: A HoneyPot Study Author(s): Heiding, F (Heiding, Fredrik); Omer, MA (Omer, Mohammad-Ali); Wallstrom, A (Wallstrom, Andreas); Lagerstrom, R (Lagerstrom, Robert) Edited by: Furnell S; Mori P; Weippl E; Camp O Source: ICISSP: PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE ON INFORMATION SYSTEMS SECURITY AND PRIVACY Pages: 424-431 DOI: 10.5220/0008954704240431 Published: 2020 Accession Number: WOS:000570766300043 Conference Title: 6th International Conference on Information Systems Security and Privacy (ICISSP) Conference Date: FEB 25-27, 2020 Conference Location: Valletta, MALTA ISBN: 978-989-758-399-5</p> <p>Record 7 of 46 – Q1 Title: Design and Development of an IoT Gateway for Smart Building Applications Author(s): Nugur, A (Nugur, Aditya); Pipattanasomporn, M (Pipattanasomporn, Manisa); Kuzlu, M (Kuzlu, Murat); Rahman, S (Rahman, Saifur) Source: IEEE INTERNET OF THINGS JOURNAL Volume: 6 Issue: 5 Special Issue: SI Pages: 9020-9029 DOI: 10.1109/JIOT.2019.2926099 Published: OCT 2019 Accession Number: WOS:000491295800135 ISSN: 2327-4662</p> <p>Record 8 of 46 – Q1 Title: A comparison of fog and cloud computing cyber-physical interfaces for Industry 4.0 real-time embedded machine learning engineering applications Author(s): O'Donovan, P (O'Donovan, Peter); Gallagher, C (Gallagher, Colm); Leahy, K (Leahy, Kevin); O'Sullivan, DTJ (O'Sullivan, Dominic T. J.) Source: COMPUTERS IN INDUSTRY Volume: 110 Pages: 12-35 DOI: 10.1016/j.compind.2019.04.016 Published: SEP 2019 Accession Number: WOS:000472988000003 ISSN: 0166-3615 eISSN: 1872-6194</p> <p>Record 9 of 46 Title: Industrial wireless sensor and actuator networks in industry 4.0: Exploring requirements, protocols, and challenges-A MAC survey Author(s): Raza, S (Raza, Saleem); Faheem, M (Faheem, Muhammad); Guenes, M (Guenes, Mesut) Source: INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS Volume: 32 Issue: 15 Article Number: e4074 DOI: 10.1002/dac.4074 Early Access Date: AUG 2019 Published: OCT 2019 Accession Number: WOS:000480977100001 ISSN: 1074-5351 eISSN: 1099-1131</p> <p>Record 10 of 46 Title: DEVELOPMENT OF A SOFTWARE-BASED MONITORING AND INFORMATION SYSTEM FOR INDUSTRIAL TELEMETRY APPLICATIONS Author(s): Prinsloo, J (Prinsloo, J.); Mathews, M (Mathews, M.); du Plessis, J (du Plessis, J.); Vosloo, J (Vosloo, J.) Source: SOUTH AFRICAN JOURNAL OF INDUSTRIAL ENGINEERING Volume: 30 Issue: 1 Pages: 54-68 DOI: 10.7166/30-1-1901 Published: MAY 2019 Accession Number: WOS:000469368300005 ISSN: 2224-7890</p> <p>Record 11 of 46 – Q1</p>	
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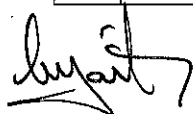


<p>Title: Internet of Things in Marine Environment Monitoring: A Review Author(s): Xu, GB (Xu, Guobao); Shi, YJ (Shi, Yanjun); Sun, XY (Sun, Xueyan); Shen, WM (Shen, Weiming) Source: SENSORS Volume: 19 Issue: 7 Article Number: 1711 DOI: 10.3390/s19071711 Published: APR 1 2019 Accession Number: WOS:000465570700230 PubMed ID: 30974791 eISSN: 1424-8220</p> <p>Record 12 of 46 – Q2 Title: Green Activity-Based Costing Production Planning and Scenario Analysis for the Aluminum-Alloy Wheel Industry under Industry 4.0 Author(s): Tsai, WH (Tsai, Wen-Hsien); Chu, PY (Chu, Po-Yuan); Lee, HL (Lee, Hsiu-Li) Source: SUSTAINABILITY Volume: 11 Issue: 3 Article Number: 756 DOI: 10.3390/su11030756 Published: FEB 1 2019 Accession Number: WOS:000458929500201 eISSN: 2071-1050</p> <p>Record 13 of 46 – Q1 Title: Industry 4.0: A bibliometric analysis and detailed overview Author(s): Muhuri, PK (Muhuri, Pranab K.); Shukla, AK (Shukla, Amit K.); Abraham, A (Abraham, Ajith) Source: ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 78 Pages: 218-235 DOI: 10.1016/j.engappai.2018.11.007 Published: FEB 2019 Accession Number: WOS:000456757300015 ISSN: 0952-1976 eISSN: 1873-6769</p> <p>Record 14 of 46 Title: An IoT Architecture for Automated Machining Process Control: A Case Study of Tool Life Enhancement in Turning Operations Author(s): Nguyen, V (Vinh Nguyen); Malchodi, T (Malchodi, Thomas); Dinar, M (Dinar, Mahmoud); Melkote, SN (Melkote, Shreyes N.); Mishra, A (Mishra, Anant); Rajagopalan, S (Rajagopalan, Sudhir) Source: SMART AND SUSTAINABLE MANUFACTURING SYSTEMS Volume: 3 Issue: 2 Pages: 14-26 DOI: 10.1520/SSMS20190017 Published: 2019 Accession Number: WOS:000502628800002 ISSN: 2520-6478 eISSN: 2572-3928</p> <p>Record 15 of 46 – Q1 Title: Development capabilities for smart products Author(s): Tomiyama, T (Tomiyama, Tetsuo); Lutters, E (Lutters, Eric); Stark, R (Stark, Rainer); Abramovici, M (Abramovici, Michael) Source: CIRP ANNALS-MANUFACTURING TECHNOLOGY Volume: 68 Issue: 2 Pages: 727-750 DOI: 10.1016/j.cirp.2019.05.010 Published: 2019 Accession Number: WOS:000481657600006 ISSN: 0007-8506 eISSN: 1726-0604</p> <p>Record 16 of 46 Title: Monitoring System In Industry Using IoT Author(s): Jagadesh, M (Jagadesh, M.); Saravanan, M (Saravanan, M.); Narayanan, V (Narayanan, V); Vadhana, MP (Vadhana, Priya M.); Logeshwaran, K (Logeshwaran, K.) Book Group Author(s): IEEE Source: 2019 5TH INTERNATIONAL CONFERENCE ON ADVANCED COMPUTING & COMMUNICATION SYSTEMS (ICACCS) Book Series: International Conference on Advanced Computing and Communication Systems Pages: 745-748 Published: 2019 Accession Number: WOS:000477742500160 Conference Title: 5th International Conference on Advanced Computing and Communication Systems (ICACCS) Conference Date: MAR 15-16, 2019 Conference Location: Coimbatore, INDIA ISSN: 2469-5556 ISBN: 978-1-5386-9533-3</p> <p>Record 17 of 46 Title: A Real-Time Optimization Algorithm for the Integrated Planning and Scheduling Problem Towards the Context of Industry 4.0</p>		
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<p>Author(s): Leite, M (Leite, Mario); Pinto, T (Pinto, Telmo); Alves, C (Alves, Claudio) Source: FME TRANSACTIONS Volume: 47 Issue: 4 Pages: 775-781 DOI: 10.5937/fmet1904775L Published: 2019 Accession Number: WOS:000476644100014 ISSN: 1451-2092 eISSN: 2406-128X</p> <p>Record 18 of 46 – Q1 Title: An architecture based on RAMI 4.0 to discover equipment to process operations required by products Author(s): Pisching, MA (Pisching, Marcos A.); Pessoa, MAO (Pessoa, Marcosiris A. O.); Junqueira, F (Junqueira, Fabricio); dos Santos, DJ (dos Santos Filho, Diolino J.); Miyagi, PE (Miyagi, Paulo E.) Source: COMPUTERS & INDUSTRIAL ENGINEERING Volume: 125 Pages: 574-591 DOI: 10.1016/j.cie.2017.12.029 Published: NOV 2018 Accession Number: WOS:000449569500046 Conference Title: 46th International Conference on Computers and Industrial Engineering (CIE) Conference Date: OCT 29-31, 2016 Conference Location: Tianjin, PEOPLES R CHINA ISSN: 0360-8352 eISSN: 1879-0550</p> <p>Record 19 of 46 Title: A social network of collaborating industrial assets Author(s): Li, H (Li, Hao); Palau, AS (Palau, Adria Salvador); Parlikad, AK (Parlikad, Ajith Kumar) Source: PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART O-JOURNAL OF RISK AND RELIABILITY Volume: 232 Issue: 4 Special Issue: SI Pages: 389-400 DOI: 10.1177/1748006X18754975 Published: AUG 2018 Accession Number: WOS:000441406300006 ISSN: 1748-006X eISSN: 1748-0078</p> <p>Record 20 of 46 – Q1 Title: Industrial Internet of things over tactile Internet in the context of intelligent manufacturing Author(s): Bai, Y (Bai, Yun) Source: CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS Volume: 21 Issue: 1 Special Issue: SI Pages: 869-877 DOI: 10.1007/s10586-017-0925-1 Published: MAR 2018 Accession Number: WOS:000457272700069 ISSN: 1386-7857 eISSN: 1573-7543</p> <p>Record 21 of 46 Title: Internet of Things Ontology for Digital Twin in Cyber Physical Systems Author(s): Steinmetz, C (Steinmetz, Charles); Rettberg, A (Rettberg, Achim); Ribeiro, FGC (Ribeiro, Fabiola Goncalves C.); Schroeder, G (Schroeder, Greyce); Pereira, CE (Pereira, Carlos E.) Book Group Author(s): IEEE Source: 2018 VIII BRAZILIAN SYMPOSIUM ON COMPUTING SYSTEMS ENGINEERING (SBESC 2018) Book Series: Brazilian Symposium on Computing System Engineering Pages: 154-159 DOI: 10.1109/SBESC.2018.00030 Published: 2018 Accession Number: WOS:000494351500020 Conference Title: 8th Brazilian Symposium on Computing Systems Engineering (SBESC) Conference Date: NOV 06-09, 2018 Conference Location: Salvador, BRAZIL ISSN: 2324-7886 ISBN: 978-1-7281-0240-5</p> <p>Record 22 of 46 Title: IoT based Innovative Dual Level Control System with Fault Tolerance & Fail Safe Capability Author(s): Sharma, S (Sharma, Sagun); Gupta, S (Gupta, Sumeet); Gupta, S (Gupta, Swastik); Kotwal, SB (Kotwal, Shashi Bhushan) Book Group Author(s): IEEE Source: PROCEEDINGS OF THE 2018 SECOND INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND CONTROL SYSTEMS (ICICCS) Pages: 307-312</p>		
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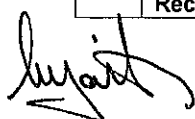
<p>Published: 2018 Accession Number: WOS:000468730700057 Conference Title: 2nd International Conference on Intelligent Computing and Control Systems (ICICCS) Conference Date: JUN 14-15, 2018 Conference Location: Vaigai Coll Engrn, Madurai, INDIA Author Identifiers: ISBN: 978-1-5386-2842-3</p> <p>Record 23 of 46 Title: A Novel IoT-Based Architecture for Self-Adaptive Aerodynamic Flow Control System for Motorcycle Author(s): Portaluri, G (Portaluri, Giuseppe); Tamburello, M (Tamburello, Marialaura); Giordano, S (Giordano, Stefano) Book Group Author(s): IEEE Source: 2018 IEEE GLOBAL COMMUNICATIONS CONFERENCE (GLOBECOM) Book Series: IEEE Global Communications Conference Published: 2018 Accession Number: WOS:000465774305066 Conference Title: IEEE Global Conference on Communications (GLOBECOM) / Workshop on Wireless Networking and Control for UAV Conference Date: DEC 09-13, 2018 Conference Location: Abu Dhabi, U ARAB EMIRATES ISSN: 2334-0983 ISBN: 978-1-5386-4727-1</p> <p>Record 24 of 46 Title: m-GreenCARDIO Embedded System Designed for Out-of-Hospital Cardiac Patients Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita); Iuga, N (Iuga, Nicolai); Brezulianu, A (Brezulianu, Adrian) Book Group Author(s): IEEE Source: 2018 14TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS) Pages: 11-17 Published: 2018 Accession Number: WOS:000467080400003</p> <p>Record 25 of 46 Title: m-GreenCARDIO Embedded System Designed for Out-of-Hospital Cardiac Patients Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita); Iuga, N (Iuga, Nicolai); Brezulianu, A (Brezulianu, Adrian) Book Group Author(s): IEEE Source: 2018 14TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS) Pages: 11-17 Published: 2018 Accession Number: WOS:000467080400003 Conference Title: 14th International Conference on Development and Application Systems (DAS) Conference Date: MAY 24-26, 2018 Conference Location: Suceava, ROMANIA ISBN: 978-1-5386-1493-8</p> <p>Record 26 of 46 Title: Development of SCADA using a RTU based on IoT controller Author(s): Medrano, K (Medrano, Karens); Altuve, D (Altuve, Denis); Belloso, K (Belloso, Kelman); Bran, C (Bran, Carlos) Edited by: DuranFaandez C; Lefranc G; FernandezFernandez M; Munoz C; Rubio E Source: 2018 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION/XXIII CONGRESS OF THE CHILEAN ASSOCIATION OF AUTOMATIC CONTROL (ICA-ACCA) Published: 2018 Accession Number: WOS:000458417600004 Conference Title: IEEE International Conference on Automation (ICA) / 23rd Congress of the Chilean-Association-of-Automatic-Control (ACCA) Conference Date: OCT 17-19, 2018 Conference Location: Concepcion, CHILE Conference Sponsors: IEEE, IEEE Chile Sect, Chilean Assoc Automat Control, Univ Bio Bio ISBN: 978-1-5386-5586-3</p> <p>Record 27 of 46 – Q1 Title: Low-Power Wireless for the Internet of Things: Standards and Applications Author(s): Nikoukar, A (Nikoukar, Ali); Raza, S (Raza, Saleem); Poole, A (Poole, Angelina); Gunes, M (Guenes, Mesut); Dezfouli, B (Dezfouli, Behnam)</p>	
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<p>Source: IEEE ACCESS Volume: 6 Pages: 67893-67926 DOI: 10.1109/ACCESS.2018.2879189 Published: 2018 Accession Number: WOS:000452372400001 Author Identifiers: ISSN: 2169-3536</p> <p>Record 28 of 46 Title: The Internet of Flying Things Author(s): Pigatto, DF (Pigatto, Daniel Fernando); Rodrigues, M (Rodrigues, Mariana); Fontes, JVD (de Carvalho Fontes, Joao Vitor); Pinto, ASR (Roschildt Pinto, Alex Sandro); Smith, J (Smith, James); Branco, KRLJC (Jaquie Castelo Branco, Kalinka Regina Lucas) Edited by: Hassan QF Source: INTERNET OF THINGS A TO Z: TECHNOLOGIES AND APPLICATIONS Pages: 529-561 Published: 2018 Accession Number: WOS:000546489200020 ISBN: 978-1-119-45673-5; 978-1-119-45674-2</p> <p>Record 29 of 46 – Q1 Title: A review of essential standards and patent landscapes for the Internet of Things: A key enabler for Industry 4.0 Author(s): Trappey, AJC (Trappey, Amy J. C.); Trappey, CV (Trappey, Charles V.); Govindarajan, UH (Govindarajan, Usharani Hareesh); Chuang, AC (Chuang, Allen C.); Sun, JJ (Sun, John J.) Source: ADVANCED ENGINEERING INFORMATICS Volume: 33 Pages: 208-229 DOI: 10.1016/j.aei.2016.11.007 Published: AUG 2017 Accession Number: WOS:000412612100016 ISSN: 1474-0346 eISSN: 1873-5320</p> <p>Record 30 of 46 Title: Industrial Process Monitoring Using IoT Author(s): Shinde, KS (Shinde, Komal S.); Bhagat, PH (Bhagat, Prachi H.) Book Group Author(s): IEEE Source: 2017 INTERNATIONAL CONFERENCE ON I-SMAC (IOT IN SOCIAL, MOBILE, ANALYTICS AND CLOUD) (I-SMAC) Pages: 38-42 Published: 2017 Accession Number: WOS:000427222200007 Conference Title: International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) Conference Date: FEB 10-11, 2017 Conference Location: Palladam, INDIA ISBN: 978-1-5090-3243-3</p> <p>Record 31 of 46 Title: How to Define Industry4.0: The Main Pillars Of Industry 4.0 Author(s): Erboz, G (Erboz, Gizem) Edited by: Kosciarova I; Kadekova Z Source: MANAGERIAL TRENDS IN THE DEVELOPMENT OF ENTERPRISES IN GLOBALIZATION ERA Pages: 761-767 Published: 2017 Accession Number: WOS:000426613300094 Conference Title: 7th International Scientific Conference on Managerial Trends in the Development of Enterprises in Globalization Era (ICoM) Conference Date: JUN 01-02, 2017 Conference Location: Slovak Univ Agr, Nitra, SLOVAKIA ISBN: 978-80-552-1739-0</p> <p>Record 32 of 46 Title: A Performance and Cost Evaluation of Combining OPC-UA and Microsoft Azure IoT Hub into an Industrial Internet-of-Things System Author(s): Forsstrom, S (Forsstrom, Stefan); Jennehag, U (Jennehag, Ulf) Book Group Author(s): IEEE Source: 2017 GLOBAL INTERNET OF THINGS SUMMIT (GIOTS 2017) Pages: 327-332 Published: 2017 Accession Number: WOS:000425861800056 Conference Title: Global Internet of Things Summit (GIoTS) Conference Date: JUN 06-09, 2017 Conference Location: Geneva, SWITZERLAND ISBN: 978-1-5090-5873-0</p> <p>Record 33 of 46</p>	
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<p>Title: Planning for Heterogeneous IoT with Time Guaranties Author(s): Cecilio, J (Cecilio, Jose); Martins, P (Martins, Pedro); Furtado, P (Furtado, Pedro) Edited by: Shakshuki E Source: 8TH INTERNATIONAL CONFERENCE ON AMBIENT SYSTEMS, NETWORKS AND TECHNOLOGIES (ANT-2017) AND THE 7TH INTERNATIONAL CONFERENCE ON SUSTAINABLE ENERGY INFORMATION TECHNOLOGY (SEIT 2017) Book Series: Procedia Computer Science Volume: 109 Pages: 249-256 DOI: 10.1016/j.procs.2017.05.347 Published: 2017 Accession Number: WOS:000414533000031 Conference Title: 8th International Conference on Ambient Systems, Networks and Technologies (ANT) / 7th International Conference on Sustainable Energy Information Technology (SEIT) Conference Date: MAY 16-19, 2017 Conference Location: Madeira, PORTUGAL ISSN: 1877-0509</p> <p>Record 34 of 46 Title: Fault Detection Variants of the CloudBus Protocol for IoT Distributed Embedded Systems Author(s): Barkalov, A (Barkalov, Alexander); Titarenko, L (Titarenko, Larysa); Andrzejewski, G (Andrzejewski, Grzegorz); Krzywicki, K (Krzywicki, Kazimierz); Kolopienczyk, M (Kolopienczyk, Malgorzata) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 17 Issue: 2 Pages: 3-10 DOI: 10.4316/AECE.2017.02001 Published: 2017 Accession Number: WOS:000405378100001 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 35 of 46 Title: Healthcare IoT m-GreenCARDIO Remote Cardiac Monitoring System - Concept, Theory of Operation and Implementation Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita); Petrariu, AI (Petrariu, Adrian-Ioan); Brezulianu, A (Brezulianu, Adrian) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 17 Issue: 2 Pages: 23-30 DOI: 10.4316/AECE.2017.02004 Published: 2017 Accession Number: WOS:000405378100004 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 36 of 46 Title: Hybrid Solution for Privacy-Preserving Access Control for Healthcare Data Author(s): Smithamol, MB (Smithamol, Mukalel Bhaskaran); Sridhar, R (Sridhar, Rajeswari) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 17 Issue: 2 Pages: 31-38 DOI: 10.4316/AECE.2017.02005 Published: 2017 Accession Number: WOS:000405378100005 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 37 of 46 Title: Healthcare IoT m-GreenCARDIO Remote Cardiac Monitoring System - Concept, Theory of Operation and Implementation Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita); Petrariu, AI (Petrariu, Adrian-Ioan); Brezulianu, A (Brezulianu, Adrian) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 17 Issue: 2 Pages: 23-30 DOI: 10.4316/AECE.2017.02004 Published: 2017 Accession Number: WOS:000405378100004 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 38 of 46 Title: IIoT based Efficiency monitoring of a Gantry Robot Author(s): Farne, S (Farne, Stefano); Bassi, E (Bassi, Ezio); Benzi, F (Benzi, Francesco); Compagnoni, F (Compagnoni, Francesco) Book Group Author(s): IEEE Source: 2016 IEEE 14TH INTERNATIONAL CONFERENCE ON INDUSTRIAL INFORMATICS (INDIN) Book Series: IEEE International Conference on Industrial Informatics INDIN Pages: 714-719 Published: 2016 Accession Number: WOS:000393551200108</p>	
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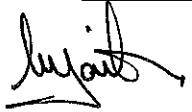
<p>Conference Title: 14th IEEE International Conference on Industrial Informatics (INDIN) Conference Date: JUL 19-21, 2016 Conference Location: Poitiers, FRANCE ISSN: 1935-4576 ISBN: 978-1-5090-2870-2</p> <p>Record 39 of 46 Title: Middleware Platform for Distributed Applications Incorporating Robots, Sensors and the Cloud Author(s): De Coninck, E (De Coninck, Elias); Bohez, S (Bohez, Steven); Leroux, S (Leroux, Sam); Verbelen, T (Verbelen, Tim); Vankeirsbilck, B (Vankeirsbilck, Bert); Dhoedt, B (Dhoedt, Bart); Simoens, P (Simoens, Pieter) Book Group Author(s): IEEE Source: 2016 5TH IEEE INTERNATIONAL CONFERENCE ON CLOUD NETWORKING (IEEE CLOUDNET) Book Series: IEEE International Conference on Cloud Networking Pages: 218-223 DOI: 10.1109/CloudNet.2016.23 Published: 2016 Accession Number: WOS:000391421700040 Conference Title: 5th IEEE International Conference on Cloud Networking (IEEE CloudNet) Conference Date: OCT 03-05, 2016 Conference Location: Pisa, ITALY ISSN: 2374-3239 ISBN: 978-1-5090-5093-2</p> <p>Record 40 of 46 Title: An Architecture based on IoT and CPS to Organize and Locate Services An architecture focused on Industry 4.0 Author(s): Pisching, MA (Pisching, Marcos A.); Junqueira, F (Junqueira, Fabricio); dos Santos, DJ (dos Santos Filho, Diolino J.); Miyagi, PE (Miyagi, Paulo E.) Book Group Author(s): IEEE Source: 2016 IEEE 21ST INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION (ETFA) Book Series: IEEE International Conference on Emerging Technologies and Factory Automation-ETFA Published: 2016 Accession Number: WOS:000389524200014 Conference Title: 21st IEEE International Conference on Emerging Technologies and Factory Automation (ETFA) Conference Date: SEP 06-09, 2016 Conference Location: OWL Univ Appl Sci, Fraunhofer IOSB INA, Berlin, GERMANY ISSN: 1946-0740 ISBN: 978-1-5090-1314-2</p> <p>Record 41 of 46 Title: A Resource Oriented Architecture for Web-Integrated SCADA Applications Author(s): Polonia, PV (Polonia, Pablo Valerio); Melgarejo, LFB (Bier Melgarejo, Luiz Fernando); de Queiroz, MH (de Queiroz, Max Hering) Book Group Author(s): IEEE Source: 2015 IEEE WORLD CONFERENCE ON FACTORY COMMUNICATION SYSTEMS (WFCS) Published: 2015 Accession Number: WOS:000380618100019 Conference Title: IEEE World Conference on Factory Communication Systems (WFCS) Conference Date: MAY 27-29, 2015 Conference Location: Palma de Mallorca, SPAIN ISBN: 978-1-4799-8244-8</p> <p>Record 42 of 46 Title: Architectural Considerations for a Centralized Global IoT Platform Author(s): Venkatesan, R (Venkatesan, Rajesh); Raghavan, MV (Raghavan, Madhava Venkatesh); Prakash, KSS (Prakash, Satya Sai K.) Edited by: Vig J; Roy AK; Wang CG; Das ML Source: 2015 IEEE REGION 10 SYMPOSIUM (TENSYP) Book Series: IEEE Region 10 Symposium Pages: 5-8 DOI: 10.1109/TENSYP.2015.14 Published: 2015 Accession Number: WOS:000380516300002 Conference Title: IEEE Region 10 Symposium (TENSYP) Conference Date: MAY 13-15, 2015 Conference Location: Ahmedabad, INDIA ISSN: 2640-821X ISBN: 978-1-4799-1782-2</p> <p>Record 43 of 46</p>	
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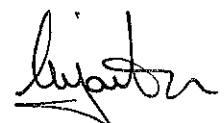
	<p>Title: Service Composition in the Cloud-Based Manufacturing Focused on the Industry 4.0 Author(s): Pisching, MA (Pisching, Marcos A.); Junqueira, F (Junqueira, Fabricio); Santos, DJ (Santos Filho, Diolino J.); Miyagi, PE (Miyagi, Paulo E.) Edited by: CamarinhaMatos LM; Baldissera TA; DiOrio G; Marques F Source: TECHNOLOGICAL INNOVATION FOR CLOUD-BASED ENGINEERING SYSTEMS Book Series: IFIP Advances in Information and Communication Technology Volume: 450 Pages: 65-72 DOI: 10.1007/978-3-319-16766-4_7 Published: 2015 Accession Number: WOS:000373369600007 Conference Title: 6th IFIPWG 5.5/SOCOLNET Advanced Doctoral Conference on Computing, Electrical and Industrial Systems (DoCEIS) Conference Date: APR 13-15, 2015 Conference Location: Costa de Caparica, PORTUGAL ISSN: 1868-4238 eISSN: 1868-422X ISBN: 978-3-319-16766-4; 978-3-319-16765-7</p> <p>Record 44 of 46 – Q1 Title: ERDT: Energy-Efficient Reliable Decision Transmission for Intelligent Cooperative Spectrum Sensing in Industrial IoT Author(s): Zhu, RB (Zhu, Rongbo); Zhang, X (Zhang, Xue); Liu, XZ (Liu, Xiaozhu); Shu, WN (Shu, Wanneng); Mao, TY (Mao, Tengyue); Jalaian, B (Jalaian, Brian) Source: IEEE ACCESS Volume: 3 Pages: 2366-2378 DOI: 10.1109/ACCESS.2015.2501644 Published: 2015 Accession Number: WOS:000371388200180 ISSN: 2169-3536</p> <p>Record 45 of 46 – Q1 Title: Internet of Things: A Survey on Enabling Technologies, Protocols, and Applications Author(s): Al-Fuqaha, A (Al-Fuqaha, Ala); Guizani, M (Guizani, Mohsen); Mohammadi, M (Mohammadi, Mehdi); Aledhari, M (Aledhari, Mohammed); Ayyash, M (Ayyash, Moussa) Source: IEEE COMMUNICATIONS SURVEYS AND TUTORIALS Volume: 17 Issue: 4 Pages: 2347-2376 DOI: 10.1109/COMST.2015.2444095 Published: 2015 Accession Number: WOS:000365233100021 eISSN: 1553-877X</p> <p>Record 46 of 46 Title: Analysis of an eco-friendly sensor node powered by unconventional energy sources Eco-node operation study Author(s): Balan, D (Balan, Doru); Chirap, A (Chirap, Aurel) Book Group Author(s): IEEE Source: 2014 ROEDUNET CONFERENCE 13TH EDITION: NETWORKING IN EDUCATION AND RESEARCH JOINT EVENT RENAM 8TH CONFERENCE Book Series: RoEduNet International Conference Published: 2014 Accession Number: WOS:000374588700033 Conference Title: Joint Event of the RENAM 8th Conference / RoEduNet 13th Conference Conference Date: SEP 11-13, 2014 Conference Location: Chisinau, MOLDOVA ISSN: 2068-1038 ISBN: 978-1-4799-6860-2</p>		
2	<p>Articolul: V. G. Gaitan, N. C. Gaitan and I. Ungurean, "CPU Architecture Based on a Hardware Scheduler and Independent Pipeline Registers," in <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i>, vol. 23, no. 9, pp. 1661-1674, Sept. 2015. doi: 10.1109/TVLSI.2014.2346542 :</p> <p>18 citari din care 1 Q1/Q2</p> <p>Punctaj $(17 \cdot 8 + 1 \cdot 16) / 3 = 50,66$</p> <p>Record 1 of 18 Title: Real-Time Event Handling and Preemptive Hardware RTOS Scheduling on a Custom CPU Implementation Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita) Source: CANADIAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING-REVUE CANADIENNE DE GENIE ELECTRIQUE ET INFORMATIQUE Volume: 43 Issue: 4 Pages: 364-373 DOI: 10.1109/CJECE.2020.3005360 Published: FAL 2020</p>	3	50,66



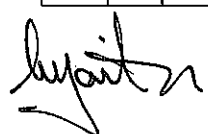
<p>Accession Number: WOS:000583696600007 ISSN: 0840-8688</p> <p>Record 2 of 18 Title: Hardware Real-time Event Management with Support of RISC-V Architecture for FPGA-Based Reconfigurable Embedded Systems Author(s): Zagan, I (Zagan, Ionel); Tanase, CA (Tanase, Cristian Andy); Gaitan, VG (Gaitan, Vasile Gheorghita) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 20 Issue: 1 Pages: 63-70 DOI: 10.4316/AECE.2020.01009 Published: FEB 2020 Accession Number: WOS:000518392600009 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 3 of 18 Title: Improving the performance of Real-Time Event Processing based on Preemptive Scheduler FPGA Implementation Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita) Book Group Author(s): IEEE Source: 2020 15TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS) Pages: 49-55 Published: 2020 Accession Number: WOS:000589776100009 ISBN: 978-1-7281-6870-8</p> <p>Record 4 of 18 Title: Enhancing the Linguistic Landscape with the Proper Deployment of the Internet of Things Technologies: A Case Study of Smart Malls Author(s): Algarni, F (Algarni, Fahad); Ullah, A (Ullah, Azmat); Aloufi, K (Aloufi, Khalid) Edited by: Arai K; Bhatia R; Kapoor S Source: PROCEEDINGS OF THE FUTURE TECHNOLOGIES CONFERENCE (FTC) 2019, VOL 2 Book Series: Advances in Intelligent Systems and Computing Volume: 1070 Pages: 13-39 DOI: 10.1007/978-3-030-32523-7_2 Published: 2020 Accession Number: WOS:000560948600002 Conference Title: Future Technologies Conference (FTC) Conference Date: OCT 24-25, 2019 Conference Location: San Francisco, CA ISSN: 2194-5357 eISSN: 2194-5365 ISBN: 978-3-030-32523-7; 978-3-030-32522-0</p> <p>Record 5 of 18 Title: Best-Choice Topology: An Optimized Array-based Maximum Finder Author(s): Prvan, M (Prvan, Marina); Ozegovic, J (Ozegovic, Julije); Soco, I (Soco, Ivan); Coko, D (Coko, Duje) Source: INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS Volume: 10 Issue: 12 Pages: 17-26 Published: DEC 2019 Accession Number: WOS:000510189200003 ISSN: 2158-107X eISSN: 2156-5570</p> <p>Record 6 of 18 – Q2 Title: A Novel Processor Architecture With a Hardware Microkernel to Improve the Performance of Task-Based Systems Author(s): Dantas, LP (Dantas, Leandro Poloni); de Azevedo, RJ (de Azevedo, Rodolfo J.); Gimenez, SP (Gimenez, Salvador Pinillos) Source: IEEE EMBEDDED SYSTEMS LETTERS Volume: 11 Issue: 2 Pages: 46-49 DOI: 10.1109/LES.2018.2864094 Published: JUN 2019 Accession Number: WOS:000469331300005 ISSN: 1943-0663</p> <p>Record 7 of 18 Title: Hardware RTOS: Custom Scheduler Implementation Based on Multiple Pipeline Registers and MIPS32 Architecture Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita) Source: ELECTRONICS Volume: 8 Issue: 2 Article Number: 211 DOI: 10.3390/electronics8020211 Published: FEB 2019 Accession Number: WOS:000460746500096 ISSN: 2079-9292</p>	
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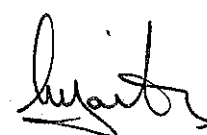
<p>Record 8 of 18 Title: Multi-Service Oriented Stream Data Synchronization Scheme for Multicore Cipher Chips Author(s): Li, L (Li, Li); Li, FH (Li, Fenghua); Shi, GZ (Shi, Guozhen) Source: IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES Volume: E102A Issue: 1 Pages: 48-55 DOI: 10.1587/transfun.E102.A.48 Published: JAN 2019 Accession Number: WOS:000457302000007 ISSN: 1745-1337</p> <p>Record 9 of 18 Title: Synthesis Analysis and Evaluation of Hardware Scheduler based on Different Scheduling Algorithms Author(s): Zagan, I (Zagan, Ionel) Book Group Author(s): IEEE Source: 2018 14TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS) Pages: 18-25 Published: 2018 Accession Number: WOS:000467080400004 ISBN: 978-1-5386-1493-8</p> <p>Record 10 of 18 Title: The Events Priority in the nMPRA and Consumption of Resources Analysis on the FPGA Author(s): Ciobanu, EE (Ciobanu, Elena-Eugenia) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 18 Issue: 1 Pages: 137-144 DOI: 10.4316/AECE.2018.01017 Published: 2018 Accession Number: WOS:000426449500017 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 11 of 18 Title: Implementation of nMPRA CPU architecture based on preemptive hardware scheduler engine and different scheduling algorithms Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita) Source: IET COMPUTERS AND DIGITAL TECHNIQUES Volume: 11 Issue: 6 Pages: 221-230 DOI: 10.1049/iet-cdt.2017.0163 Published: NOV 2017 Accession Number: WOS:000414696500003 ISSN: 1751-8601 eISSN: 1751-861X</p> <p>Record 12 of 18 Title: Improving the Performance of CPU Architectures by Reducing the Operating System Overhead (Extended Version) Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita) Source: ELECTRICAL CONTROL AND COMMUNICATION ENGINEERING Volume: 10 Issue: 1 Pages: 13-22 DOI: 10.1515/ecce-2016-0002 Published: JUL 2016 Accession Number: WOS:000408497000002 ISSN: 2255-9140 eISSN: 2255-9159</p> <p>Record 13 of 18 Title: Improving the Performances of the nMPRA Processor using a Custom Interrupt Management Scheduling Policy Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 16 Issue: 4 Pages: 45-50 DOI: 10.4316/AECE.2016.04007 Published: 2016 Accession Number: WOS:000390675900007 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 14 of 18 Title: An approach of MPRA technique over ARM cache architecture Author(s): Tanase, CA (Tanase, Cristian Andy) Book Group Author(s): IEEE Source: 2016 13TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS 2016) Pages: 86-90 Published: 2016 Accession Number: WOS:000383222200014 Conference Title: 13th International Conference on Development and Application Systems (DAS)</p>		
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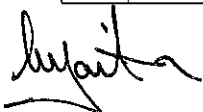
	<p>Conference Date: MAY 19-21, 2016 Conference Location: Suceava, ROMANIA Conference Sponsors: Ștefan cel Mare Univ Suceava, Fac Elect Engn & Comp Sci Romania, IEEE Ind Applicat Soc, Romania Sect ISBN: 978-1-5090-1993-9</p> <p>Record 15 of 18 Title: Schedulability Analysis of nMPRA Processor based on Multithreaded Execution Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita) Book Group Author(s): IEEE Source: 2016 13TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS 2016) Pages: 130-134 Published: 2016 Accession Number: WOS:000383222200022 ISBN: 978-1-5090-1993-9</p> <p>Record 16 of 18 Title: Programming paradigm of a Microcontroller with Hardware Scheduler Engine and Independent Pipeline Registers - A software approach Author(s): Andries, L (Andries, Lucian); Gaitan, VG (Gaitan, Vasile Gheorghita); Moisuc, EE (Moisuc, Elena-Eugenia) Edited by: Caraman S; Barbu M; Solea R Source: 2015 19TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) Pages: 705-710 Published: 2015 Accession Number: WOS:000382384100117 ISBN: 978-1-4799-8481-7</p> <p>Record 17 of 18 Title: Improving the performance of CPU architectures by reducing the Operating System overhead Author(s): Zagan, I (Zagan, Ionel) Edited by: Romanovs A; Navakauskas D Source: PROCEEDINGS OF THE 2015 IEEE 3RD WORKSHOP ON ADVANCES IN INFORMATION, ELECTRONIC AND ELECTRICAL ENGINEERING (AIEEE 2015) Published: 2015 Accession Number: WOS:000380433700001 ISBN: 978-1-5090-1201-5</p> <p>Record 18 of 18 Title: Hardware Event Treating in nMPRA Author(s): Moisuc, EE ((Ciobanu) Moisuc, Elena-Eugenia); Larionescu, AB (Larionescu, Alexandru-Bogdan); Gaitan, VG (Gaitan, Vasile Gheorghita) Book Group Author(s): IEEE Source: 2014 INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS) Pages: 66-69 Published: 2014 Accession Number: WOS:000359866000011</p>		
3	<p>Articolul: Gaitan, N. C. Enhanced Interrupt Response Time in the nMPRA based on Embedded Real Time Microcontrollers, Advances in Electrical and Computer Engineering, vol. 17, no. 3, pp. 77-84, 2017, ISSN: 1582-7445, DOI: 10.4316/AECE.2017.03010, ISI Thomson, Factor impact 2016: 0.595.</p> <p>1 citare</p> <p>Punctaj $(1 \cdot 8) / 1 = 8$</p> <p>Record 1 of 1 Title: The Events Priority in the nMPRA and Consumption of Resources Analysis on the FPGA Author(s): Ciobanu, EE (Ciobanu, Elena-Eugenia) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 18 Issue: 1 Pages: 137-144 DOI: 10.4316/AECE.2018.01017 Published: 2018 Accession Number: WOS:000426449500017 ISSN: 1582-7445 eISSN: 1844-7600</p>	1	8
4	<p>Articolul: Gaitan, V. G., Gaitan, N. C., & Ungurean, I. (2014). A flexible acquisition cycle for incompletely defined fieldbus protocols. ISA</p>	3	32



<p>transactions, 53(3), 776-786, http://dx.doi.org/10.1016/j.isatra.2014.02.006</p> <p>7 citari din care 5 Q1/Q2</p> <p>Punctaj $(2*8 + 5*16)/3 = 32$</p> <p>Record 1 of 7 – Q1 Title: Experimental Implementation and Performance Evaluation of an IoT Access Gateway for the Modbus Extension Author(s): Gaitan, VG (Gaitan, Vasile Gheorghita); Zagan, I (Zagan, Ionel) Source: SENSORS Volume: 21 Issue: 1 Article Number: 246 DOI: 10.3390/s21010246 Published: JAN 2021 Accession Number: WOS:000606277400001</p> <p>Record 2 of 7 – Q1 Title: A field programmable gate array implemented fibre channel switch for big data communication towards smart manufacturing Author(s): Fei, T (Fei, Tao); Yue, T (Yue, Tang); Zou, XF (Zou Xiaofu); Qi, QL (Qi Qinglin) Source: ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING Volume: 57 Pages: 166-181 DOI: 10.1016/j.rcim.2018.12.005 Published: JUN 2019 Accession Number: WOS:000459525400015 ISSN: 0736-5845 eISSN: 1879-2537</p> <p>Record 3 of 7 – Q2 Title: High-performance fieldbus application-specific integrated circuit design for industrial smart sensor networks Author(s): Chen, CH (Chen, Ching-Han); Lin, MY (Lin, Ming-Yi); Guo, XC (Guo, Xing-Chen) Source: JOURNAL OF SUPERCOMPUTING Volume: 74 Issue: 9 Pages: 4451-4469 DOI: 10.1007/s11227-017-2010-1 Published: SEP 2018 Accession Number: WOS:000444739000016 ISSN: 0920-8542 eISSN: 1573-0484</p> <p>Record 4 of 7 Title: Using Co-Processors to Activate Real Time Capabilities on Fog Nodes Author(s): Ungurean, I (Ungurean, Ioan) Book Group Author(s): Assoc Comp Machinery Source: ISCSIC'18: PROCEEDINGS OF THE 2ND INTERNATIONAL SYMPOSIUM ON COMPUTER SCIENCE AND INTELLIGENT CONTROL DOI: 10.1145/3284557.3284700 Published: 2018 Accession Number: WOS:000455371000020</p> <p>Record 5 of 7 – Q1 Title: CAN With eXtensible In-Frame Reply: Protocol Definition and Prototype Implementation Author(s): Cena, GLC (Cena, Gianluca); Bertolotti, IC (Bertolotti, Ivan Cibrario); Hu, TT (Hu, Tingting); Valenzano, A (Valenzano, Adriano) Source: IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS Volume: 13 Issue: 5 Pages: 2436-2446 DOI: 10.1109/TII.2017.2714183 Published: OCT 2017 Accession Number: WOS:000412361900032 Author Identifiers: ISSN: 1551-3203 eISSN: 1941-0050</p> <p>Record 6 of 7 Title: Reducing Update Data Time for Exchange Via Modbus TCP Protocol by Controlling a Frame Length Author(s): Titaev, A (Titaev, Alexander) Source: AUTOMATIC CONTROL AND COMPUTER SCIENCES Volume: 51 Issue: 5 Pages: 357-365 DOI: 10.3103/S014641161705008X Published: SEP 2017 Accession Number: WOS:000416743000008 ISSN: 0146-4116 eISSN: 1558-108X</p> <p>Record 7 of 7 – Q1</p>	
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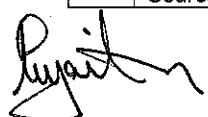


	<p>Title: Protocol description and optimization scheduling for multi-fieldbus integration system Author(s): Zhong, CQ (Zhong, Chongquan); Chen, C (Chen, Chen) Source: ISA TRANSACTIONS Volume: 59 Pages: 457-470 DOI: 10.1016/j.isatra.2015.10.009 Published: NOV 2015 Accession Number: WOS:000366534900044 PubMed ID: 26514919 ISSN: 0019-0578 eISSN: 1879-2022</p>		
<p>5</p>	<p>Articolul: Ioan Ungurean, Nicoleta Cristina Gaitan and Vasile Gheorghita Gaitan, "A Middleware Based Architecture for the Industrial Internet of Things," KSII Transactions on Internet and Information Systems, vol. 10, no. 7, pp. 2874-2891, 2016. DOI: 10.3837/tiis.2016.07.001</p> <p>11 citari din care 5 Q1/Q2</p> <p>Punctaj $(6*8 + 5*16)/3 = 42.66$</p> <p>Record 1 of 11 – Q1 Title: Component-Based Microservices for Flexible and Scalable Automation of Industrial Bioprocesses Author(s): Ibarra-Junquera, V (Ibarra-Junquera, Vrani); Gonzalez-Potes, A (Gonzalez-Potes, Apolinar); Paredes, CM (Paredes, Carlos Mario); Martinez-Castro, D (Martinez-Castro, Diego); Nunez-Vizcaino, RA (Nunez-Vizcaino, Rubi A.) Source: IEEE ACCESS Volume: 9 Pages: 58192-58207 DOI: 10.1109/ACCESS.2021.3072040 Published: 2021 Accession Number: WOS:000641954100001 ISSN: 2169-3536</p> <p>Record 2 of 11 – Q2 Title: Timing Comparison of the Real-Time Operating Systems for Small Microcontrollers Author(s): Ungurean, I (Ungurean, Ioan) Source: SYMMETRY-BASEL Volume: 12 Issue: 4 Article Number: 592 DOI: 10.3390/sym12040592 Published: APR 2020 Accession Number: WOS:000540222200103 eISSN: 2073-8994</p> <p>Record 3 of 11 Title: OPC UA versus ROS, DDS, and MQTT: Performance Evaluation of Industry 4.0 Protocols Author(s): Profanter, S (Profanter, Stefan); Tekat, A (Tekat, Ayhun); Dorofeev, K (Dorofeev, Kirill); Rickert, M (Rickert, Markus); Knoll, A (Knoll, Alois) Book Group Author(s): IEEE Source: 2019 IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL TECHNOLOGY (ICIT) Book Series: IEEE International Conference on Industrial Technology Pages: 955-962 Published: 2019 Accession Number: WOS:000490548300152 Conference Title: IEEE International Conference on Industrial Technology (IEEE ICIT) Conference Date: FEB 13-15, 2019 Conference Location: Melbourne, AUSTRALIA ISSN: 2643-2978 ISBN: 978-1-5386-6376-9</p> <p>Record 4 of 11 Title: Asset Supply Chain Management System-based IoT Technology for Higher Education Institutions Author(s): Kuandeet, W (Kuandeet, Watjanarat); Nilsook, P (Nilsook, Prachyanun); Wannapiroon, P (Wannapiroon, Panita) Source: INTERNATIONAL JOURNAL OF ONLINE AND BIOMEDICAL ENGINEERING Volume: 15 Issue: 3 Pages: 4-20 DOI: 10.3991/ijoe.v15i03.8533 Published: 2019 Accession Number: WOS:000458646200001 eISSN: 2626-8493</p> <p>Record 5 of 11 Title: Novus-io: An Internet of Things Platform for Academic Projects Author(s): Lozoya, C (Lozoya, Camilo); Aguilar-Gonzalez, A (Aguilar-Gonzalez, Alberto);</p>	<p>3</p>	<p>42,66</p>

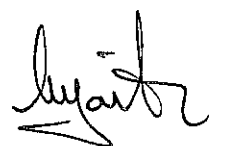


<p>Favela-Contreras, A (Favela-Contreras, Antonio); Zamora, A (Zamora, Arturo) Source: KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS Volume: 12 Issue: 12 Pages: 5634-5653 DOI: 10.3837/tiis.2018.12.002 Published: DEC 31 2018 Accession Number: WOS:000454634300002 ISSN: 1976-7277</p> <p>Record 6 of 11 – Q1 Title: Industrial Internet of Things: A Systematic Literature Review and Insights Author(s): Liao, YX (Liao, Yongxin); Loures, EDR (Rocha Loures, Eduardo de Freitas); Deschamps, F (Deschamps, Fernando) Source: IEEE INTERNET OF THINGS JOURNAL Volume: 5 Issue: 6 Pages: 4515-4525 DOI: 10.1109/JIOT.2018.2834151 Published: DEC 2018 Accession Number: WOS:000456475500027 ISSN: 2327-4662</p> <p>Record 7 of 11 – Q2 Title: Complex network measurement and optimization of Chinese domestic movies with internet of things technology Author(s): Xiao, J (Xiao, Jia); Li, X (Li, Xin); Chen, SZ (Chen, Shanzhi); Wang, Y (Wang, Yan); Han, JX (Han, Jiaying); Zhou, ZL (Zhou, Zhili) Source: COMPUTERS & ELECTRICAL ENGINEERING Volume: 66 Pages: 246-259 DOI: 10.1016/j.compeleceng.2017.07.009 Published: FEB 2018 Accession Number: WOS:000429760300020 ISSN: 0045-7906 eISSN: 1879-0755</p> <p>Record 8 of 11 Title: Using Co-Processors to Activate Real Time Capabilities on Fog Nodes Author(s): Ungurean, I (Ungurean, Ioan) Book Group Author(s): Assoc Comp Machinery Source: ISCSIC'18: PROCEEDINGS OF THE 2ND INTERNATIONAL SYMPOSIUM ON COMPUTER SCIENCE AND INTELLIGENT CONTROL DOI: 10.1145/3284557.3284700 Published: 2018 Accession Number: WOS:000455371000020 Conference Title: 2nd International Symposium on Computer Science and Intelligent Control (ISCSIC) Conference Date: SEP 21-23, 2018 Conference Location: Stockholm, SWEDEN ISBN: 978-1-4503-6628-1</p> <p>Record 9 of 11 – Q1 Title: A survey of secure middleware for the Internet of Things Author(s): Fremantle, P (Fremantle, Paul); Scott, P (Scott, Philip) Source: PEERJ COMPUTER SCIENCE Article Number: e114 DOI: 10.7717/peerj-cs.114 Published: MAY 8 2017 Accession Number: WOS:000425417600001 ISSN: 2376-5992</p> <p>Record 10 of 11 Title: An Internet of Things Framework for Remote Monitoring of the HealthCare Parameters Author(s): Ungurean, I (Ungurean, Ioan); Brezulianu, A (Brezulianu, Adrian) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 17 Issue: 2 Pages: 11-16 DOI: 10.4316/AECE.2017.02002 Published: 2017 Accession Number: WOS:000405378100002 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 11 of 11 Title: Healthcare IoT m-GreenCARDIO Remote Cardiac Monitoring System - Concept, Theory of Operation and Implementation Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita); Petrariu, AI (Petrariu, Adrian-Ioan); Brezulianu, A (Brezulianu, Adrian) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 17 Issue: 2 Pages: 23-30 DOI: 10.4316/AECE.2017.02004 Published: 2017 Accession Number: WOS:000405378100004 ISSN: 1582-7445 eISSN: 1844-7600</p>	
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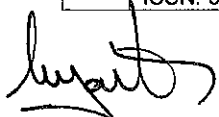
6	<p>Articolul: GAITAN, N. C. MCIP Client Application for SCADA in IOT Environment. International Journal of Advanced Computer Science & Applications, 6 (9), 158-163, 2015.</p> <p>1 citare</p> <p>Punctaj $(1 \cdot 8) / 1 = 8$</p> <p>Record 1 of 1 Title: Achieving Interoperability Using Low-Cost Middleware OPC UA Wrapping Structure. Case Study in the Water Industry. Author(s): Korodi, A (Korodi, Adrian); Silea, I (Silea, Ioan) Book Group Author(s): IEEE Source: 2017 IEEE 15TH INTERNATIONAL CONFERENCE ON INDUSTRIAL INFORMATICS (INDIN) Book Series: IEEE International Conference on Industrial Informatics INDIN Pages: 1223-1228 Published: 2017 Accession Number: WOS:000427453200184 Conference Title: 15th IEEE International Conference on Industrial Informatics (INDIN) Conference Date: JUL 24-26, 2017 Conference Location: Univ Appl Sci Emden Leer, Emden, GERMANY ISSN: 1935-4576 ISBN: 978-1-5386-0837-1</p>	1	8
7	<p>Articolul: Nicoleta-Cristina Gaitan, Vasile Gheorghita Gaitan and Ioan Ungurean, "A Survey on the Internet of Things Software Architecture" International Journal of Advanced Computer Science and Applications (IJACSA), 6(12), 2015.</p> <p>8 citari din care 2 Q1/Q2</p> <p>Punctaj $(6 \cdot 8 + 2 \cdot 16) / 3 = 26,66$</p> <p>Record 1 of 8 – Q2 Title: Survey on spectrum sharing/allocation for cognitive radio networks Internet of Things Author(s): Tarek, D (Tarek, Dina); Benslimane, A (Benslimane, Abderrahim); Darwish, M (Darwish, M.); Kotb, AM (Kotb, Amira M.) Source: EGYPTIAN INFORMATICS JOURNAL Volume: 21 Issue: 4 Pages: 231-239 DOI: 10.1016/j.eij.2020.02.003 Published: DEC 2020 Accession Number: WOS:000604639400005 ISSN: 1110-8665 eISSN: 2090-4754</p> <p>Record 2 of 8 Title: Equilibrium Transmission Bi-level Energy Efficient Node Selection Approach for Internet of Things Author(s): Mekala, MS (Mekala, Mahammad Shareef); Viswanathan, P (Viswanathan, P.) Source: WIRELESS PERSONAL COMMUNICATIONS Volume: 108 Issue: 3 Pages: 1635-1663 DOI: 10.1007/s11277-019-06488-7 Published: OCT 2019 Accession Number: WOS:000486521000019 ISSN: 0929-6212 eISSN: 1572-834X</p> <p>Record 3 of 8 Title: Security Challenges and Limitations in IoT Environments Author(s): Al-Sharekh, SI (Al-Sharekh, Suha Ibrahim); Al-Shqeerat, KHA (Al-Shqeerat, Khalil H. A.) Source: INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND NETWORK SECURITY Volume: 19 Issue: 2 Pages: 193-199 Published: FEB 28 2019 Accession Number: WOS:000460686700024 ISSN: 1738-7906</p> <p>Record 4 of 8 – Q1 Title: CLAY-MIST: IoT-cloud enabled CMM index for smart agriculture monitoring system Author(s): Mekala, MS (Mekala, Mahammad Shareef); Viswanathan, P (Viswanathan, P.) Source: MEASUREMENT Volume: 134 Pages: 236-244 DOI:</p>	3	26,66



<p>10.1016/j.measurement.2018.10.072 Published: FEB 2019 Accession Number: WOS:000468223900023 ISSN: 0263-2241 eISSN: 1873-412X</p> <p>Record 5 of 8 Title: Internet of Things and Social Networks: A survey Author(s): Tyagi, V (Tyagi, Vishu); Kumar, A (Kumar, Ashwini) Edited by: Astya PN; Swaroop A; Sharma V; Singh M; Gupta K Source: 2017 IEEE INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND AUTOMATION (ICCCA) Pages: 1268-1270 Published: 2017 Accession Number: WOS:000427628300226 Conference Title: IEEE International Conference on Computing, Communication and Automation (ICCCA) Conference Date: MAY 05-06, 2017 Conference Location: Noida, INDIA Conference Sponsors: IEEE, IEEE UP Sect, GALGOTIAS UNIV, Sch Comp Sci & Engrn ISBN: 978-1-5090-6471-7</p> <p>Record 6 of 8 Title: Towards a Process Reference Model for the Information Value Chain in IoT Applications Author(s): Wunck, C (Wunck, Christoph); Baumann, S (Baumann, Sabine) Edited by: Weber C; Bierwolf R; Holzmann T Source: 2017 IEEE EUROPEAN TECHNOLOGY AND ENGINEERING MANAGEMENT SUMMIT (E-TEMS) Pages: 37-42 Published: 2017 Accession Number: WOS:000427841000005 Conference Title: IEEE European Technology and Engineering Management Summit (E-TEMS) Conference Date: OCT 17-20, 2017 Conference Location: Munich, GERMANY Conference Sponsors: IEEE, IEEE Technol & Engrn Management Soc, Strascheg Ctr Entrepreneurship ISBN: 978-1-5386-3721-0</p> <p>Record 7 of 8 Title: DEMAND SIDE MANAGEMENT OF INTERNET OF THINGS DATA Author(s): Opera, SV (Opera, Simona Vasilica); Tudorica, BG (Tudorica, Bogdan George); Belciu, A (Belciu, Anda); Botha, I (Botha, Iuliana) Edited by: Boja C; Doinea M; Pocatilu P; Ciurea C; Batagan L; Velicanu A; Manafi I; Zamfiroiu A; Zurini M Source: PROCEEDINGS OF THE 16TH INTERNATIONAL CONFERENCE ON INFORMATICS IN ECONOMY (IE 2017): EDUCATION, RESEARCH & BUSINESS TECHNOLOGIES Pages: 311-316 Published: 2017 Accession Number: WOS:000418463600050 Conference Title: 16th International Conference on Informatics in Economy (IE 2017): Education, Research and Business Technologies Conference Date: MAY 04-07, 2017 Conference Location: Bucharest, ROMANIA Conference Sponsors: Bucharest Univ Econ Studies, Dept Econ Informat & Cybernet, INFOREC Assoc</p> <p>Record 8 of 8 Title: INTERNET OF THINGS IN LOGISTICS Author(s): Radivojevic, G (Radivojevic, Gordana); Bjelic, N (Bjelic, Nenad); Popovic, D (Popovic, Drazen) Edited by: Vidovic M; Kilibarda M; Zecevic S; Miljus M; Radivojevic G Source: PROCEEDINGS OF THE 3RD LOGISTICS INTERNATIONAL CONFERENCE Pages: 185-190 Published: 2017 Accession Number: WOS:000518370900031 Conference Title: 3rd Logistics International Conference (LOGIC) Conference Date: MAY 25-27, 2017 Conference Location: Belgrade, SERBIA Conference Sponsors: Univ Belgrade, Fac Transport & Traff Engrn, Dept Logist, Milsped, Delhaize Serbia, Serbian Govt, Minist Educ Sci & Technol Dev, Smart Cargo, RALU Logistika, Lodis Logistika, Dunav Osiguranje, Uniqa Osiguranje, Logit, Stand Logist, Infora, Nestle, Rauch, Coca Cola Hellen, Sarantis, Carlsberg, Nacionalna Asocijacija Spediterskih Društava Agenata Transport Logistika ISBN: 978-86-7395-373-1</p>		
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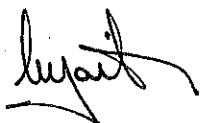


<p>8</p>	<p>Articolul: Ungurean, Ioan, and Nicoleta-Cristina Gaitan. "Speech analysis for medical predictions based on Cell Broadband Engine." In Signal Processing Conference (EUSIPCO), 2012 Proceedings of the 20th European, pp. 1733-1736. IEEE, 2012</p> <p>6 citari din care 1 Q1/Q2</p> <p>Punctaj $(5 \cdot 8 + 1 \cdot 16) / 2 = 28$</p> <p>Record 1 of 6 Title: An Internet of Things Framework for Remote Monitoring of the HealthCare Parameters Author(s): Ungurean, I (Ungurean, Ioan); Brezulianu, A (Brezulianu, Adrian) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 17 Issue: 2 Pages: 11-16 DOI: 10.4316/AECE.2017.02002 Published: 2017 Accession Number: WOS:000405378100002 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 2 of 6 Title: RCSoS: An IEC 61508 Compatible Server Model for Reliable Communication Author(s): Zhou, R (Zhou, Rui); Chen, XL (Chen, Xiaolong); Chen, HM (Chen, Huaming); Yan, FL (Yan, Fenglong); Chen, CL (Chen, Chunlin); Yu, Q (Yu, Qi); Zhou, QG (Zhou, Qingguo); Li, KC (Li, Kuan-Ching) Source: JOURNAL OF SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE AND VIDEO TECHNOLOGY Volume: 80 Issue: 3 Pages: 323-337 DOI: 10.1007/s11265-014-0914-z Published: SEP 2015 Accession Number: WOS:000353048300007 ISSN: 1939-8018 eISSN: 1939-8115</p> <p>Record 3 of 6 – Q1 Title: Challenges in Concussion Detection Using Vocal Acoustic Biomarkers Author(s): Poellabauer, C (Poellabauer, Christian); Yadav, N (Yadav, Nikhil); Daudet, L (Daudet, Louis); Schneider, SL (Schneider, Sandra L.); Busso, C (Busso, Carlos); Flynn, PJ (Flynn, Patrick J.) Source: IEEE ACCESS Volume: 3 Pages: 1143-1160 DOI: 10.1109/ACCESS.2015.2457392 Published: 2015 Accession Number: WOS:000371388200087 ISSN: 2169-3536</p> <p>Record 4 of 6 Title: Parkinson's Disease Prediction based on Multistate Markov Models Author(s): Geman, O (Geman, O.); Costin, H (Costin, H.) Source: INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 8 Issue: 4 Pages: 525-537 Published: AUG 2013 Accession Number: WOS:000322561300003 ISSN: 1841-9836 eISSN: 1841-9844</p> <p>Record 5 of 6 Title: A Server Model for Reliable Communication on Cell/BE Author(s): Zhou, R (Zhou, Rui); Chen, HM (Chen, Huaming); Liu, Q (Liu, Qun); Sheng, Y (Sheng, Yong); Zhou, QG (Zhou, Qingguo); Wang, X (Wang, Xuan); Li, KC (Li, Kuan-Ching) Book Group Author(s): IEEE Source: 2013 42ND ANNUAL INTERNATIONAL CONFERENCE ON PARALLEL PROCESSING (ICPP) Book Series: Proceedings of the International Conference on Parallel Processing Pages: 1020-1027 DOI: 10.1109/ICPP.2013.121 Published: 2013 Accession Number: WOS:000330046000110 Conference Title: 42nd Annual International Conference on Parallel Processing (ICPP) Conference Date: OCT 01-04, 2013 Conference Location: Ecole Normale Supérieure Lyon, Lyon, FRANCE Conference Sponsors: INRIA, LIP Lab, Univ Lyon, MILYON, IEEE Comp Soc Conference Host: Ecole Normale Supérieure Lyon ISSN: 0190-3918</p>	<p>2</p>	<p>28</p>
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	<p>ISBN: 978-0-7695-5117-3</p> <p>Record 6 of 6 Title: Threads Pipelining on the CellBE Systems Author(s): Tanase, CA (Tanase, Cristian Andy); Gaitan, VG (Gaitan, Vasile Gheorghita) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 13 Issue: 3 Pages: 121-126 DOI: 10.4316/AECE.2013.03019 Published: 2013 Accession Number: WOS:000326321600019 ISSN: 1582-7445 eISSN: 1844-7600</p>		
9	<p>Articolul: Ungurean and N. C. Gaitan, "Monitoring and control system for smart buildings based on OPC UA specifications," <i>2016 International Conference on Development and Application Systems (DAS)</i>, Suceava, 2016, pp. 82-85.</p> <p>3 citari din care 2 Q1/Q2</p> <p>Punctaj $(1*8 + 2*16)/2 = 20$</p> <p>Record 1 of 3 – Q1 Title: Distributed Online Load Sensitivity Identification by Smart Transformer and Industrial Metering Author(s): De Carne, G (De Carne, Giovanni); Bruno, S (Bruno, Sergio); Liserre, M (Liserre, Marco); La Scala, M (La Scala, Massimo) Source: IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS Volume: 55 Issue: 6 Pages: 7328-7337 DOI: 10.1109/TIA.2019.2918053 Part: 2 Published: NOV-DEC 2019 Accession Number: WOS:000504767900033 ISSN: 0093-9994 eISSN: 1939-9367</p> <p>Record 2 of 3 – Q2 Title: A Literature Survey on Open Platform Communications (OPC) Applied to Advanced Industrial Environments Author(s): Gonzalez, I (Gonzalez, Isaias); Calderon, AJ (Jose Calderon, Antonio); Figueiredo, J (Figueiredo, Joao); Sousa, JMC (Sousa, Joao M. C.) Source: ELECTRONICS Volume: 8 Issue: 5 Article Number: 510 DOI: 10.3390/electronics8050510 Published: MAY 2019 Accession Number: WOS:000470999900041 eISSN: 2079-9292</p> <p>Record 3 of 3 Title: A Performance and Cost Evaluation of Combining OPC-UA and Microsoft Azure IoT Hub into an Industrial Internet-of-Things System Author(s): Forsstrom, S (Forsstrom, Stefan); Jennehag, U (Jennehag, Ulf) Book Group Author(s): IEEE Source: 2017 GLOBAL INTERNET OF THINGS SUMMIT (GIOTS 2017) Pages: 327-332 Published: 2017 Accession Number: WOS:000425861800056 Conference Title: Global Internet of Things Summit (GloTS) Conference Date: JUN 06-09, 2017 Conference Location: Geneva, SWITZERLAND ISBN: 978-1-5090-5873-0</p>	2	20
10	<p>Articolul: Nicoleta-Cristina Gaitan, Vasile Gheorghita Gaitan and Ioan Ungurean, "An IoT Middleware Framework for Industrial Applications" <i>International Journal of Advanced Computer Science and Applications(IJACSA)</i>, 7(9), 2016.</p> <p>4 citari din care 1 Q1/Q2</p> <p>Punctaj $(3*8 + 1*16)/3 = 13,33$</p> <p>Record 1 of 4 – Q1 Title: An IoT Platform Based on Microservices and Serverless Paradigms for Smart Farming Purposes</p>	3	13,33

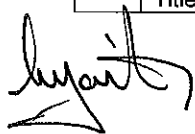
	<p>Author(s): Trilles, S (Trilles, Sergio); Gonzalez-Perez, A (Gonzalez-Perez, Alberto); Huerta, J (Huerta, Joaquin) Source: SENSORS Volume: 20 Issue: 8 Article Number: 2418 DOI: 10.3390/s20082418 Published: APR 2020 Accession Number: WOS:000533346400260 PubMed ID: 32344569 eISSN: 1424-8220</p> <p>Record 2 of 4 Title: Provisioned Data Distribution for Intelligent Manufacturing via Fog Computing Author(s): Sherlekar, R (Sherlekar, Riddhiman); Starly, B (Starly, Binil); Cohen, PH (Cohen, Paul H.) Edited by: Fratini L; Ragai I; Wang L Source: 47TH SME NORTH AMERICAN MANUFACTURING RESEARCH CONFERENCE (NAMRC 47) Book Series: Procedia Manufacturing Volume: 34 Pages: 893-902 DOI: 10.1016/j.promfg.2019.06.158 Published: 2019 Accession Number: WOS:000560235900109 Conference Title: 47th SME North American Manufacturing Research Conference (NAMRC) Conference Date: JUN 10-14, 2019 Conference Location: Penn Univ, Behrend Coll, Erie, PA Conference Sponsors: SME Conference Host: Penn Univ, Behrend Coll ISSN: 2351-9789</p> <p>Record 3 of 4 Title: Critical Aspects Pertaining Security of IoT Application Level Software Systems Author(s): Sarrab, M (Sarrab, Mohamed); Alnaeli, SM (Alnaeli, Saleh M.) Edited by: Chakrabarti S; Saha HN Source: 2018 IEEE 9TH ANNUAL INFORMATION TECHNOLOGY, ELECTRONICS AND MOBILE COMMUNICATION CONFERENCE (IEMCON) Pages: 960-964 Published: 2018 Accession Number: WOS:000461314200158 Conference Title: 9th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON) Conference Date: NOV 01-03, 2018 Conference Location: Univ British Columbia, Vancouver, CANADA Conference Sponsors: Inst Engr & Management, IEEE Vancouver Sect, UBC, Univ Engr & Management Conference Host: Univ British Columbia ISBN: 978-1-5386-7266-2</p> <p>Record 4 of 4 Title: Performances Analysis of a SCADA Architecture for Industrial Processes Author(s): Tcaciuc, SA (Tcaciuc, Simona-Anda) Source: INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS Volume: 8 Issue: 11 Pages: 456-460 Published: NOV 2017 Accession Number: WOS:000417985900055 ISSN: 2158-107X eISSN: 2156-5570</p>		
<p>11</p>	<p>Articolul: G. N. Cristina, G. V. Gheorghita and U. Ioan, "Gradual Development of an IoT Architecture for Real-World Things," 2015 IEEE European Modelling Symposium (EMS), Madrid, 2015, pp. 344-349. (Indexat ISI, IEEE) doi: 10.1109/EMS.2015.57</p> <p>4 citari din care 3 Q1/Q2</p> <p>Punctaj $(1 * 8 + 3 * 16) / 3 = 18,66$</p> <p>Record 1 of 4 – Q2 Title: A Statistical Performance Analysis of Named Data Ultra Dense Networks Author(s): Rehman, MAU (Rehman, Muhammad Atif Ur); Kim, D (Kim, Donghak); Choi, K (Choi, Kyungmee); Ullah, R (Ullah, Rehmat); Kim, BS (Kim, Byung Seo) Source: APPLIED SCIENCES-BASEL Volume: 9 Issue: 18 Article Number: 3714 DOI: 10.3390/app9183714 Published: SEP 2019</p>	<p>3</p>	<p>18,66</p>



	<p>Accession Number: WOS:000489115200074 eISSN: 2076-3417</p> <p>Record 2 of 4 Title: IFractal IoT: A Scalable IoT Framework for Energy Management in Connected Buildings Author(s): Anjana, MS (Anjana, M. S.); Ramesh, MV (Ramesh, Maneesha Vinodini); Devidas, AR (Devidas, Aryadevi Remanidevi); Athira, K (Athira, K.) Book Group Author(s): Assoc Comp Machinery Source: TESCA'19: PROCEEDINGS OF THE 1ST ACM INTERNATIONAL WORKSHOP ON TECHNOLOGY ENABLERS AND INNOVATIVE APPLICATIONS FOR SMART CITIES AND COMMUNITIES Pages: 10-17 DOI: 10.1145/3364544.3364826 Published: 2019 Accession Number: WOS:000548112300006 Conference Title: 1st ACM International Workshop on Technology Enablers and Innovative Applications for Smart Cities and Communities (TESCA) Conference Date: NOV 13-14, 2019 Conference Location: New York, NY Conference Sponsors: Assoc Comp Machinery, Amrita Vishwa Vidyapeetham, Univ Nice Sophia Antipolis, Univ Calif Irvine ISBN: 978-1-4503-7015-8</p> <p>Record 3 of 4 – Q1 Title: Hierarchical and Flat-Based Hybrid Naming Scheme in Content-Centric Networks of Things Author(s): Arshad, S (Arshad, Sobia); Shahzaad, B (Shahzaad, Babar); Azam, MA (Azam, Muhammad Awais); Loo, J (Loo, Jonathan); Ahmed, SH (Ahmed, Syed Hassan); Aslam, S (Aslam, Saleem) Source: IEEE INTERNET OF THINGS JOURNAL Volume: 5 Issue: 2 Special Issue: SI Pages: 1070-1080 DOI: 10.1109/JIOT.2018.2792016 Published: APR 2018 Accession Number: WOS:000429971100054 ISSN: 2327-4662</p> <p>Record 4 of 4 – Q2 Title: Genetic algorithm based bacterial foraging optimization with three-pass protocol concept for heterogeneous network security enhancement Author(s): Nithya, S (Nithya, S.); Jeyanthi, KM (Jeyanthi, K. Meena) Source: JOURNAL OF COMPUTATIONAL SCIENCE Volume: 21 Pages: 275-282 DOI: 10.1016/j.jocs.2017.03.023 Published: JUL 2017 Accession Number: WOS:000409284700022 ISSN: 1877-7503</p>		
12	<p>Articolul: Gaitan, N. C. "Real-time Acquisition of the Distributed Data by using an Intelligent System NC Gaitan." Elektronika ir Elektrotehnika 104.8 (2010): 13-18.</p> <p>6 citari din care 0 Q1/Q2</p> <p>Punctaj (6*8)/1 = 48</p> <p>Record 1 of 6 Title: Performances Analysis of a SCADA Architecture for Industrial Processes Author(s): Tcaciuc, SA (Tcaciuc, Simona-Anda) Source: INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS Volume: 8 Issue: 11 Pages: 456-460 Published: NOV 2017 Accession Number: WOS:000417985900055 ISSN: 2158-107X eISSN: 2156-5570</p> <p>Record 2 of 6 Title: Design and implementation of a BSN-based system for plantar health evaluation with exercise load quantification Author(s): Wang, Y (Wang, Yang); Liu, ZW (Liu, Zhiwen); Yang, J (Yang, Jian); Ma, SD (Ma, Shaodong) Source: BIOMEDICAL ENGINEERING ONLINE Volume: 16 Article Number: 98 DOI: 10.1186/s12938-017-0389-9 Published: AUG 3 2017 Accession Number: WOS:000407978200002 PubMed ID: 28774311</p>	1	48

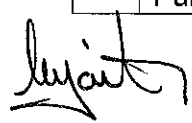


	<p>ISSN: 1475-925X</p> <p>Record 3 of 6 Title: Hardware Event Treating in nMPRA Author(s): Moisuc, EE ((Ciobanu) Moisuc, Elena-Eugenia); Larionescu, AB (Larionescu, Alexandru-Bogdan); Gaitan, VG (Gaitan, Vasile Gheorghita) Book Group Author(s): IEEE Source: 2014 INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS) Pages: 66-69 Published: 2014 Accession Number: WOS:000359866000011 Conference Title: 12th International Conference on Development and Application Systems (DAS) Conference Date: MAY 15-17, 2015 Conference Location: Suceava, ROMANIA Conference Sponsors: Stefan Cel Mare Univ Suceava, Fac Elect Engn & Comp Sci, IEEE Ind Applicati Society, Romania Secti ISBN: 978-1-4799-5094-2</p> <p>Record 4 of 6 Title: Challenges for Load Distribution Optimizer in Heat Exchanger Stations Author(s): Sipal, J (Sipal, J.) Source: ELEKTRONIKA IR ELEKTROTEHNIKA Volume: 120 Issue: 4 Pages: 65-68 DOI: 10.5755/j01.eee.120.4.1455 Published: 2012 Accession Number: WOS:000303226800014 ISSN: 1392-1215</p> <p>Record 5 of 6 Title: Experimental Research of Control Algorithm for Solar Assisted Hybrid Water Heating System Author(s): Petrauskas, G (Petrauskas, G.); Adomavicius, V (Adomavicius, V.); Knys, A (Knys, A.) Source: ELEKTRONIKA IR ELEKTROTEHNIKA Issue: 8 Pages: 97-100 Published: 2011 Accession Number: WOS:000296754700021 ISSN: 1392-1215</p> <p>Record 6 of 6 Title: Hard-Soft Real-Time Performance Evaluation of Linux RTAI Based Embedded Systems Author(s): Dodiur, E (Dodiur, E.); Graur, A (Graur, A.); Gaitan, VG (Gaitan, V. G.) Source: ELEKTRONIKA IR ELEKTROTEHNIKA Issue: 8 Pages: 51-56 Published: 2010 Accession Number: WOS:000283700100012 ISSN: 1392-1215</p>		
<p>13</p>	<p>Articolul: PITU, Floarea; GAITAN, Nicoleta Cristina. Surveillance of SigFox technology integrated with environmental monitoring. In: 2020 International Conference on Development and Application Systems (DAS). IEEE, 2020. p. 69-72. https://doi.org/10.1109/das49615.2020.9108957</p> <p>4 citari din care 2 Q1/Q2</p> <p>Punctaj $[(2*16)+(2*8)]/2 = 24$</p> <p>Record 1 of 4 – Q2 Title: Experimental Evaluation of a LoRa Wildlife Monitoring Network in a Forest Vegetation Area Author(s): Ojo, MO (Ojo, Mike Oluwatayo); Adami, D (Adami, Davide); Giordano, S (Giordano, Stefano) Source: FUTURE INTERNET Volume: 13 Issue: 5 Article Number: 115 DOI: 10.3390/fi13050115 Published: MAY 2021 Accession Number: WOS:000653935600001 eISSN: 1999-5903</p> <p>Record 2 of 4 Title: Low-Power Agriculture IoT System with LoRa: Open Field Storage Observation</p>	<p>2</p>	<p>24</p>



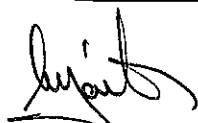
	<p>Author(s): Kokten, E (Kokten, Esmâ); Caliskan, BC (Caliskan, Bahadır Can); Karamzadeh, S (Karamzadeh, Saeid); Soyak, EG (Soyak, Ece Gelal) Source: ELECTRICAL CONTROL AND COMMUNICATION ENGINEERING Volume: 16 Issue: 2 Pages: 88-94 DOI: 10.2478/ecce-2020-0013 Published: APR 2021 Accession Number: WOS:000640579500005 ISSN: 2255-9140 eISSN: 2255-9159</p> <p>Record 3 of 4 – Q2 Title: Monitoring and Support for Elderly People Using LoRa Communication Technologies: IoT Concepts and Applications Author(s): Lousado, JP (Lousado, Jose Paulo); Antunes, S (Antunes, Sandra) Source: FUTURE INTERNET Volume: 12 Issue: 11 Article Number: 206 DOI: 10.3390/fi12110206 Published: NOV 2020 Accession Number: WOS:000593175700001</p> <p>Record 4 of 4 Title: Low-Powered Agriculture IoT Systems with LoRa Author(s) Esmâ Kökten; Bahadır Can Çalışkan; Saeid Karamzadeh; Ece Gelal Soyak Source: 2020 IEEE Microwave Theory and Techniques in Wireless Communications (MTTW) IEEE, 2020. p. 178-183, DOI: 10.1109/MTTW51045.2020.9244927 Published: OCT 2020 ISBN:978-1-7281-9399-1</p>		
14	<p>Articolul: GAITAN, Nicoleta Cristina; ZAGAN, Ionel; GAITAN, Vasile Gheorghita. Predictable CPU Architecture Designed for Small Real-Time Application-Concept and Theory of Operation. International Journal of Advanced Computer Science and Applications, 6 (4), 2015, 47-52. https://doi.org/10.14569/ijacsa.2015.060406</p> <p>2 citări din care 1 Q1/Q2</p> <p>Punctaj $(1*8 + 1*16)/3 = 8$</p> <p>Record 1 of 2 – Q2 Title: HRHS: A High-Performance Real-Time Hardware Scheduler Author(s): Derafshi, D (Derafshi, Danesh); Norollah, A (Norollah, Amin); Khosroanjam, M (Khosroanjam, Mohsen); Beitollahi, H (Beitollahi, Hakem) Source: IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS Volume: 31 Issue: 4 Pages: 897-908 DOI: 10.1109/TPDS.2019.2952136 Published: APR 1 2020 Accession Number: WOS:000509537900012 ISSN: 1045-9219 eISSN: 1558-2183</p> <p>Record 2 of 2 Title: Improving the performance of CPU architectures by reducing the Operating System overhead Author(s): Zagan, I (Zagan, Ionel) Edited by: Romanovs A; Navakauskas D Source: PROCEEDINGS OF THE 2015 IEEE 3RD WORKSHOP ON ADVANCES IN INFORMATION, ELECTRONIC AND ELECTRICAL ENGINEERING (AIEEE 2015) Published: 2015 Accession Number: WOS:000380433700001 Conference Title: 3rd IEEE Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE) Conference Date: NOV 13-14, 2015 Conference Location: Riga, LATVIA ISBN: 978-1-5090-1201-5</p>	3	8
15	<p>Articolul: GAITAN, Nicoleta Cristina; GAITAN, Vasile Gheorghita; MOISUC, Elena-Eugenia Ciobanu. Improving interrupt handling in the nMPRA. In: Development and Application Systems (DAS), 2014 International Conference on. IEEE, 2014. pp. 11-15. https://doi.org/10.1109/daas.2014.6842419</p> <p>3 citări din care 1 Q1/Q2</p>	3	10,66

	<p>Punctaj $(2*8 + 1*16)/3 = 10,66$</p> <p>Record 1 of 3 – Q2 Title: Hardware RTOS: Custom Scheduler Implementation Based on Multiple Pipeline Registers and MIPS32 Architecture Author(s): Zagan, I (Zagan, Ionel); Gaitan, VG (Gaitan, Vasile Gheorghita) Source: ELECTRONICS Volume: 8 Issue: 2 Article Number: 211 DOI: 10.3390/electronics8020211 Published: FEB 2019 Accession Number: WOS:000460746500096 ISSN: 2079-9292</p> <p>Record 2 of 3 Title: The Events Priority in the nMPRA and Consumption of Resources Analysis on the FPGA Author(s): Ciobanu, EE (Ciobanu, Elena-Eugenia) Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 18 Issue: 1 Pages: 137-144 DOI: 10.4316/AECE.2018.01017 Published: 2018 Accession Number: WOS:000426449500017 ISSN: 1582-7445 eISSN: 1844-7600</p> <p>Record 3 of 3 Title: An approach of MPRA technique over ARM cache architecture Author(s): Tanase, CA (Tanase, Cristian Andy) Book Group Author(s): IEEE Source: 2016 13TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS 2016) Pages: 86-90 Published: 2016 Accession Number: WOS:000383222200014 Conference Title: 13th International Conference on Development and Application Systems (DAS) Conference Date: MAY 19-21, 2016 Conference Location: Suceava, ROMANIA ISBN: 978-1-5090-1993-9</p>		
<p>16</p>	<p>Articolul: GAITAN, Nicoleta Cristina; ANDRIES, Lucian. Using Dual Priority scheduling to improve the resource utilization in the nMPRA microcontrollers. In: Development and Application Systems (DAS), 2014 International Conference on. IEEE, 2014. pp. 73-78. https://doi.org/10.1109/daas.2014.6842431</p> <p>1 citare</p> <p>Punctaj $(1*8)/2 = 4$</p> <p>Record 1 of 1 Title: Slack clustering for scheduling frame-based tasks on multicore embedded systems Author(s): Poursafaei, F (Poursafaei, Farimah); Bazzaz, M (Bazzaz, Mostafa); Kafshdooz, MM (Kafshdooz, Morteza Mohajjel); Ejlali, A (Ejlali, Alireza) Source: MICROELECTRONICS JOURNAL Volume: 81 Pages: 144-153 DOI: 10.1016/j.mejo.2018.09.002 Published: NOV 2018 Accession Number: WOS:000448947200017 ISSN: 0026-2692 eISSN: 1879-2391</p>	<p>2</p>	<p>4</p>
<p>17</p>	<p>Articolul: N. C. GAITAN, V. G. Gaitan, S. G. Pentiu, I. Ungurean, E. Dodi. Middleware Based Model of Heterogeneous Systems for SCADA Distributed Applications, Advances in Electrical and Computer Engineering, vol. 10, no. 2, pp. 121-124, 2010, ISSN 1582-7445, ISI Thomson, Factor Impact 2010: 0.700. https://doi.org/10.4316/aece.2010.02021</p> <p>2 citări din care 1 Q1/Q2</p> <p>Punctaj $(1*8 + 1*16)/5 = 4,8$</p>	<p>5</p>	<p>4,8</p>



	<p>Record 1 of 2 Title: Performances Analysis of a SCADA Architecture for Industrial Processes Author(s): Tcaciuc, SA (Tcaciuc, Simona-Anda) Source: INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS Volume: 8 Issue: 11 Pages: 456-460 Published: NOV 2017 Accession Number: WOS:000417985900055 ISSN: 2158-107X eISSN: 2156-5570</p> <p>Record 2 of 2 – Q1 Title: Middleware for Internet of Things: A Survey Author(s): Razzaque, MA (Razzaque, Mohammad Abdur); Milojevic-Jevric, M (Milojevic-Jevric, Marija); Palade, A (Palade, Andrei); Clarke, S (Clarke, Siobhan) Source: IEEE INTERNET OF THINGS JOURNAL Volume: 3 Issue: 1 Special Issue: SI Pages: 70-95 DOI: 10.1109/JIOT.2015.2498900 Published: FEB 2016 Accession Number: WOS:000373099000008 ISSN: 2327-4662</p>		
18	<p>Articolul: N.C. GAITAN. <i>Defining the vertical integration of data acquired for ill-defined protocols.</i> International Journal of Academic Research Part A; 2013; 5(3), ISI Thomson, pp. 86-91. https://doi.org/10.7813/2075-4124.2013/5-3/a.12</p> <p>1 citare din care 1 Q1/Q2</p> <p>Punctaj $(1*16)/1 = 16$</p> <p>Record 1 of 1 – Q1 Title: Experimental Implementation and Performance Evaluation of an IoT Access Gateway for the Modbus Extension Author(s): Gaitan, VG (Gaitan, Vasile Gheorghita); Zagan, I (Zagan, Ionel) Source: SENSORS Volume: 21 Issue: 1 Article Number: 246 DOI: 10.3390/s21010246 Published: JAN 2021 Accession Number: WOS:000606277400001 eISSN: 1424-8220</p>	1	16
19	<p>Articolul: Ungurean, Ioan, and Nicoleta Cristina Gaitan. "Performance analysis of tasks synchronization for real time operating systems." 2018 International Conference on Development and Application Systems (DAS). IEEE, Suceava, Romania, 2018. https://doi.org/10.1109/daas.2018.8396072</p> <p>1 citare din care 1 Q1/Q2</p> <p>Punctaj $(1*16)/2 = 8$</p> <p>Record 1 of 1 – Q2 Title: Timing Comparison of the Real-Time Operating Systems for Small Microcontrollers Author(s): Ungurean, I (Ungurean, Ioan) Source: SYMMETRY-BASEL Volume: 12 Issue: 4 Article Number: 592 DOI: 10.3390/sym12040592 Published: APR 2020 Accession Number: WOS:000540222200103 eISSN: 2073-8994</p>	2	8
20	<p>Articolul: Nicoleta-Cristina Gaitan. "An Uniform Description Solution for Devices Based on DCON ASCII Protocol", 18th International Conference on System Theory, Control and Computing, October 17-19, 2014, Sinaia, Romania. https://doi.org/10.1109/icstcc.2014.6982520</p> <p>1 citare din care 1 Q1/Q2</p> <p>Punctaj $(1*16)/1 = 16$</p>	1	16

	<p>Record 1 of 1 – Q1 Title: Protocol description and optimization scheduling for multi-fieldbus integration system Author(s): Zhong, C. and Chen, C. Source: ISA Transactions Volume: 59 Pages 457-470 DOI: 10.1016/j.isatra.2015.10.009 Published: NOV 2015 ISSN: 00190578</p>		
<p>21</p>	<p>Articolul: Ungurean, Ioan, and Nicoleta Cristina Gaitan. "A Software Architecture for the Industrial Internet of Things—A Conceptual Model." <i>Sensors</i> 20.19 (2020): 5603. https://doi.org/10.3390/s20195603</p> <p>5 citari din care 4 Q1/Q2</p> <p>Punctaj $(1 \cdot 8 + 4 \cdot 16) / 5 = 36$</p> <p>Record 1 of 5 – Q1 Title: Implementation of a Six-Layer Smart Factory Architecture with Special Focus on Transdisciplinary Engineering Education Author(s): Ralph, BJ (Ralph, Benjamin James); Sorger, M (Sorger, Marcel); Schodinger, B (Schodinger, Benjamin); Schmolzer, HJ (Schmolzer, Hans-Jorg); Hartl, K (Hartl, Karin); Stockinger, M (Stockinger, Martin) Source: SENSORS Volume: 21 Issue: 9 Article Number: 2944 DOI: 10.3390/s21092944 Published: MAY 2021 Accession Number: WOS:000650763100001 eISSN: 1424-8220</p> <p>Record 2 of 5 – Q2 Title: Software Components for Smart Industry Based on Microservices: A Case Study in pH Control Process for the Beverage Industry Author(s): Serrano-Magana, H (Serrano-Magana, Hector); Gonzalez-Potes, A (Gonzalez-Potes, Apolinar); Ibarra-Junquera, V (Ibarra-Junquera, Vrani); Balbastre, P (Balbastre, Patricia); Martinez-Castro, D (Martinez-Castro, Diego); Simo, J (Simo, Jose) Source: ELECTRONICS Volume: 10 Issue: 7 Article Number: 763 DOI: 10.3390/electronics10070763 Published: APR 2021 Accession Number: WOS:000638376300001 eISSN: 2079-9292</p> <p>Record 3 of 5 – Q1 Title: Model-Driven Approach for Realization of Data Collection Architectures for Cyber-Physical Systems of Systems to Lower Manual Implementation Efforts Author(s): Trunzer, E (Trunzer, Emanuel); Vogel-Heuser, B (Vogel-Heuser, Birgit); Chen, JK (Chen, Jan-Kristof); Kohnle, M (Kohnle, Moritz) Source: SENSORS Volume: 21 Issue: 3 Article Number: 745 DOI: 10.3390/s21030745 Published: FEB 2021 Accession Number: WOS:000615523100001 eISSN: 1424-8220</p> <p>Record 4 of 5 Title: Software Architecture for Planning Educational Scenarios by Applying an Agile Methodology Author(s): Romero, CAT (Romero, Carlos Andres Tavera); Ortiz, JH (Ortiz, Jesus Hamilton); Khalaf, OI (Khalaf, Osamah Ibrahim); Ortega, WM (Ortega, Wadys Montilla) Source: INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES IN LEARNING Volume: 16 Issue: 8 Pages: 132-144 DOI: 10.3991/ijet.v16i08.20603 Published: 2021 Accession Number: WOS:000644148200009 ISSN: 1863-0383</p> <p>Record 5 of 5 – Q1 Title: Component-Based Microservices for Flexible and Scalable Automation of Industrial Bioprocesses Author(s): Ibarra-Junquera, V (Ibarra-Junquera, Vrani); Gonzalez-Potes, A (Gonzalez-Potes, Apolinar); Paredes, CM (Paredes, Carlos Mario); Martinez-Castro, D (Martinez-Castro, Diego); Nunez-Vizcaino, RA (Nunez-Vizcaino, Rubi A.)</p>	<p>2</p>	<p>36</p>



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