

Domeniul Fundamental: Stiinte Ingineresti
 Domeniul de Studii Universitare: Ingineria Sistemelor
 Comisia CNATDCU [nr/denumire]: 15 - Calculatoare, Tehnologia Informatiei si Ingineria Sistemelor

UNIVERSITATEA POLITEHNICA BUCURESTI
FISA DE EVALUARE A ACTIVITATII CANDIDATULUI

cf. OMECTS nr. 6560/20.12.2012; MO, I, 890 și 890bis/27.12.2012, MO 1631/28.11.2016, PIII, Comisia 15

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Punctaje conditii minimale (A)			
Nr.	Domeniul de activitate	Minim prevazut	Realizat
A1	Activitatea didactica / profesionala (A1)	100,00	116,67
A1	Activitatea de cercetare (A2)	600,00	941,98
A3	Recunoasterea impactului activitatii (A3)	150,00	578,73
TOTAL (A)		850,00	1637,38

Punctaje conditii minimale obligatorii pe subcategorii			
Nr.	Domeniul de activitate	Minim prevazut	Realizat
A1.1.1-A1.1.2	Carti de specialitate / Capitole	1 carte	1
A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15 din care minim 3 in reviste cotate ISI Q1 sau Q2	77 din care 4 ISI Q1 sau Q2
A2.4.1	Granturi / proiecte castigate prin competitie (Director / responsabil)	2	4
A3.1.1	Numar de citari in carti, reviste cotate ISI si volume ale unor manifestari stiintifice ISI (WOS)	25	100
	Factor de impact cumulat pentru publicatii	10	31,071

STRUCTURA ACTIVITATII CANDIDATULUI

A1	Activitatea didactica / profesionala (A1)	116,67
A1.1.1	Carti si capitole in carti de specialitate in edituri internationale recunoscute [50 / nr. autori sau 100 / nr. autori cu conditia [2]]	
1	Sgarciu V., Stamatescu G. , Distance Process Monitoring using LabVIEW Environment, in LabVIEW – Modeling, Programming and Simulations (Ed. Riccardo de Asmundis), InTech, 2011, pp. 67–88, ISBN 978-953-307-521-1.	6,25
2	Popescu D., Stamatescu G. , Strutu M., Maciuca A., Design and Implementation of Wireless Sensor Network based on Multilevel Femtocells for Home Monitoring, in Some Advances in Intelligent Robotics and Collaborative Automation (Eds. Y. Kondratenko, R. Duro), River Publishers, 2015, pp.235-255, ISBN 978-87-93237-04-9. WOS:000364308800012. Capitol / 358 biblioteci WorldCat. Link: https://www.worldcat.org/title/advances-in-intelligent-robotics-and-collaborative-automation/oclc/957125083&referer=brief_results	6,25
3	Stamatescu G. , Popescu D., Dobrescu R., Framework for Cognitive Radio Deployment in Large Scale WSN-UAV Surveillance in Pricop E., Stamatescu G. (co-Editors), Recent Advances in Systems Safety and Security, Springer, Iunie 2016, pp. 41-56, ISBN 978-3-319-32523-1. Capitol / 206 biblioteci WorldCat. Link : https://link.springer.com/chapter/10.1007/978-3-319-32525-5_3	8,33
4	Halcu I., Stamatescu G. , Stamatescu I., Sgarciu V., IPv6 Sensor Networks Modeling for Security and Communication Evaluation in Pricop E., Stamatescu G. (co-Editors), Recent Advances in Systems Safety and Security, Springer, Iunie 2016, pp. 241-260, ISBN 978-3-319-32523-1. Capitol / 206 biblioteci WorldCat. Link: https://link.springer.com/chapter/10.1007/978-3-319-32525-5_14	6,25
Total (A1.1.1)		27,08
A1.1.2	Carti si capitole in carti de specialitate in edituri nationale recunoscute [50/nr autori]	
1	Popescu D., Stamatescu G. , Strutu M., Maciuca A., Aplicatii ale retelelor de senzori multi-nivel in monitorizarea ambientala, POLITEHNICA PRESS, ISBN 978-606-515-503-9, Bucuresti, 2015, Nr. pagini 213, cod CNCISIS editura: 19.	12,5
2	Dragomir F., Stamatescu G. , Fagarasan I., Modelarea si simularea generatoarelor fotovoltaice (Capitolul 4) in Modelarea Si Simularea Rețelelor De Joasă Tensiune Cu Producere Din Surse Distribuite De Energiei, Coordonatori: Florin Dragomir, Sergiu Stelian Iliescu, MatrixROM, 2013, ISBN 978-973-100-275-0, Bucuresti, Romania, pp. 69-95, cod CNCISIS editura: 39.	4,17
3	Dragomir F., Stamatescu G. , Dragomir O., Stamatescu I., Arghira N., Modelarea si simularea bateriilor de acumuloare (Capitolul 6) in Modelarea Si Simularea Rețelelor De Joasă Tensiune Cu Producere Din Surse Distribuite De Energiei, Coordonatori: Florin Dragomir, Sergiu Stelian Iliescu, MatrixROM, 2013, ISBN 978-973-100-275-0, Bucuresti, Romania, pp.118-161, cod CNCISIS editura: 39.	2,5
4	Stamatescu I., Stamatescu G. , Tudor V., Algoritmi genetici (Capitolul 6) in Tehnici de Inteligenta Artificiala folosite in managementul energiei electrice, Coordonatori: Otilia Elena Dragomir, Sergiu Stelian Iliescu, MatrixROM, 2015, ISBN 978-606-23-0506-2, Bucuresti, Romania, pp.79-95, cod CNCISIS editura: 39.	4,17
5	Dumitru I., Stamatescu G. , Arghira N., Fagarasan I., Iliescu S. St., Calofir V., Modelarea și monitorizarea sistemului de răcire pentru un centru de date in Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana, Matrix Rom, 2013, pp.8-10, ISBN 978-606-25-0025-2, cod CNCISIS editura: 39.	2,08
6	Iliescu S. St., Fagarasan I., Dumitru I., Arghira N., Stamatescu G. , Sisteme modulare de simulare a conducerii automate a unor procese industriale pentru dotarea platformelor educationale multifunctionale in Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana, Matrix Rom, 2013, pp.11-13, ISBN 978-606-25-0025-2, cod CNCISIS editura: 39.	2,5

7	Iulia Stamatescu, Grigore Stamatescu , Ioana Fagarasan, Nicoleta Arghira, Vasile Calofir, Cap 8.3 - Studii de caz - Sistem fuzzy de suport al deciziei pentru optimizarea performantelor sistemelor fotovoltaice cu urmarire, Carte Tehnici de inteligenta artificiala folosite in managementul energiei electrice, Coordonatori Sergiu Stelian Iliescu, Otilia Elena Dragomir, Editura Printech, ISBN 978-606-23-0506-2, Bucuresti, Romania, 2015, cod CNCISIS editura: 54.	2,5
8	Iliescu S.St., Făgărășan Ioana, Dumitru Iulia, Arghira Nicoleta, Stamatescu Grigore , Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Modelarea din punct de vedere energetic si monitorizarea sistemului de racire pentru un centru de date. pp. 8-10. Ed. MatrixRom, ISBN 978-606-23-0506-2, cod CNCISIS editura: 39.	2,5
Total (A1.1.2)		49,59

A1.2.1	Material didactic / Lucrari didactice / Manuale didactice cu ISBN [40/ nr. autori]	
1	Grigore Stamatescu , Cristina Nichiforov, Prelucrarea Informatiei. Indrumar de laborator, MatrixRom, 2019, ISBN 978-606-250-496-0. Nr. pagini 40, cod CNCISIS editura: 39.	20
2	Fagarasan I., Stamatescu G. , Dumitru I., Nicoleta A., Actionari electrice si electronice ale motorului electric, ConsPress Bucuresti, 88 pagini, 2012, ISBN 978-973-100-224-8, cod CNCISIS editura: 252.	10
3	Fagarasan I., Stamatescu G. , Dumitru I., Nicoleta A., Automatizari. Scheme de comanda. Circuite Logice Secventiale, ConsPress Bucuresti, 66 pagini, 2012, ISBN 978-973-100-226-2, cod CNCISIS editura: 252.	10
4	Stamatescu G. , Dumitru I., Buta V., Metode Numerice, MatrixRom, 2006, ISBN 978-973-755-106-1, Nr. pagini 137, cod CNCISIS editura: 39.	13,33
Total (A1.2.1)		53,33

A2	Activitatea de cercetare (A2)	941,98
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A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings [(25+30*factor impact)/nr.autori]	Numar autori	Factor Impact	Punctaj
1	Stamatescu G. , Fagarasan I., Sachenko A., Sensing and Data-Driven Control for Smart Building and Smart City Systems, Article ID 4528034, 3 pages, Journal of Sensors, 2019. WOS:000466426200001 Q2 - ENGINEERING ELECTRICAL & ELECTRONIC Q2 - INSTRUMENTS & INSTRUMENTATION . Publicat Aprilie 2019 - JCR2017. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=1	3	2,057	28,90
2	Stamatescu G. , Stamatescu I., Arghira N., Fagarasan I., Data-driven modeling of Smart Building ventilation Subsystem, Article ID 3572019, 14 pages, Journal of Sensors, 2019. WOS:000462427300001 Q2 - ENGINEERING ELECTRICAL & ELECTRONIC Q2 - INSTRUMENTS & INSTRUMENTATION . Publicat Aprilie 2019 - JCR2017. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=2	4	2,057	21,68
3	Popescu D., Dragana C., Stoican F., Ichim L., Stamatescu G. , A Collaborative UAV-WSN Network for Monitoring Large Areas, Sensors 2018, 18, 4202, 25 pages. WOS:000454817100121 Q2 - INSTRUMENTS & INSTRUMENTATION . Publicat Decembrie 2018 - JCR2017. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=3	5	2,475	19,85

4	Nichiforov C., Stamatescu G. , Stamatescu I., Calofir V., Fagarasan I., Iliescu S. St., Deep Learning Techniques for Load Forecasting in Large Commercial Buildings, 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), Sinaia, 2018, pp. 492-497. WOS:000465109800081. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=9	6	0,25	5,42
5	WSN and Fog Computing Integration for Intelligent Data Processing By: Mihai, Viorel; Hanganu, Cristina Elena; Stamatescu, Grigore ; Popescu Dan Conference: 10th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Iasi, ROMANIA Date: JUN 28-30, 2018 PROCEEDINGS OF THE 2018 10TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) 4 pages Published: 2018 WOS:000467734100134 Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=8	4	0,25	8,13
6	Stamatescu I., Ploix S., Fagarasan I., Stamatescu G. , Data Center Server Energy Consumption Optimization Algorithm, 26th Mediterranean Conference on Control and Automation, MED 2018, 19-22 June, Zadar, Croatia, pp. 813-818. WOS:000454718500134. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=10	4	0,25	8,13
7	Implementation of e-Learning Concept for Industrial Control System. A Case Study By: Calofir, Vasile; Fagarasan, Ioana; Iliescu, Sergiu Stelian; Stamatescu Iulia; Arghira Nicoleta; Stamatescu Grigore ; Calofir Emil Conference: 14th International Scientific Conference on eLearning and Software for Education - eLearning Challenges and New Horizons Location: Bucharest, ROMANIA Date: APR 19-20, 2018 PROCEEDINGS OF THE 14TH INTERNATIONAL SCIENTIFIC CONFERENCE E-LEARNING AND SOFTWARE FOR EDUCATION: E-LEARNING CHALLENGES AND NEW HORIZONS, VOL 3 Pages: 27-33 Published: 2018 WOS:000467471000003 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=7	7	0,25	4,64
8	Stamatescu I., Bolboaca V., Stamatescu G. , Distributed Monitoring of Smart Buildings with Cloud Backend Infrastructure, Proc. of the 5th International Conference on Control, Decision and Information Technologies, CODIT 2018, 10-13 April, Thessaloniki, Greece, pp. 1035 - 1039. WOS:000468641000174. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=6	3	0,25	10,83
9	Mihai V., Dragana C., Stamatescu G. , Popescu D., Ichim L., Wireless Sensor Network Architecture based on Fog Computing, Proc. of the 5th International Conference on Control, Decision and Information Technologies, CODIT 2018, 10-13 April, Thessaloniki, Greece, pp. 743 - 747. WOS:000468641000124. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=5	5	0,25	6,50
10	Chitu, Claudia; Stamatescu, Grigore ; Sgarciu, Valentin, Scalable architectures for stream analytics and data predictions dedicated to smart spaces, 4th ACM Conference on Systems for Energy-Efficient Built Environments (BuildSys) Location: Delft, NL Date: NOV 8-9, 2017, 2 pages. WOS:000463798000046. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=26 Conferinta de top - A	3	0,75	15,83

11	Cristina Nichiforov, Iulia Stamatescu, Ioana Fagarasan, Grigore Stamatescu , Energy Consumption Forecasting Using ARIMA and Neural Network Models, 5th International Symposium on Electrical and Electronics Engineering ISEEE 2017, Galati, Romania, October 20 - 22, 2017, 4 pages. WOS:000428234400033. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=13	4	0,25	8,13
12	Cristian Dragana ; Grigore Stamatescu ; Loretta Ichim ; Dan Popescu, Interlinking unmanned aerial vehicles with wireless sensor networks for improved large area monitoring, Control, Decision and Information Technologies (CoDIT), 2017 4th International Conference on, Barcelona, pp. 359 - 364. WOS:000450826500062. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=12	4	0,25	8,13
13	Cristian Patrascioiu, Grigore Stamatescu , Monitoring pH with HART communication, Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2017 9th IEEE International Conference on, Bucharest, pp. 864 - 869. WOS:000425870400052. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=24	2	0,25	16,25
14	Andrei Dobrin, Cristian Dragana, Grigore Stamatescu , Valentin Sgarciu, Hierarchical cloud storage engine, Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), 2017 9th IEEE International Conference on, Bucharest, pp. 504 - 509. WOS:000425869000092. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=20	4	0,25	8,13
15	Ioana Fagarasan, Iulia Stamatescu, Cristina Nichiforov, Grigore Stamatescu , Nicoleta Arghira, Sergiu Stelian Iliescu, Laboratory scale wind energy harvester, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 674 - 678. WOS:000425870400019. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=39&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=1	6	0,25	5,42
16	Grigore Stamatescu , Iulia Stamatescu, Nicoleta Arghira, Cristian Dragana, Ioana Fagarasan, Data-driven Methods for Smart Building AHU Subsystem Modelling, Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 617 - 621. WOS:000425870400009. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=21	5	0,25	6,50
17	Tiberiu Marinescu, Nicoleta Arghira, Daniela Hossu, Ioana Fagarasan, Iulia Stamatescu, Grigore Stamatescu , Vasile Calofir, Sergiu Iliescu, Advanced Control Strategies for Irrigation Systems, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 843 - 848. WOS:000425870400048. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=22	8	0,25	4,06
18	Grigore Stamatescu , Iulia Stamatescu, Ioana Fagarasan, Nicoleta Arghira, Vasile Calofir, Sergiu Stelian Iliescu, ASID-Advanced System for Process Control towards Intelligent Specialization in the Power Engineering Field, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 475 - 480. WOS:000425869000086. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=19	6	0,25	5,42

19	Dragana Cristian, Grigore Stamatescu , Mihai Viorel, Popescu Dan, Evaluation of Cluster Formation Algorithm in Large Scale Wireless Sensor Network, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2017 Bucharest, Romania, pp. 859 - 863. WOS:000425870400051. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=23	4	0,25	8,13
20	In-network Stochastic Consensus for WSN Surveillance Applications By: Dragana, Cristian; Mihai, Viorel; Stamatescu, Grigore ; Popescu, Dan Conference: 9th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Targoviste, ROMANIA Date: JUN 29-JUL 01, 2017 Sponsor(s): IEEE Romania Sect; IEEE Ind Applicat Soc; Univ Pitesti PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE - ECAI 2017 6 pages Book Series: International Conference on Electronics Computers and Artificial Intelligence Published: 2017 WOS:000425865900092. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=18	4	0,25	8,13
21	Cristian Dragana, Grigore Stamatescu , Viorel Mihai, Dan Popescu, An approach for weighted average consensus in event detection, Control and Automation (MED), 2017 25th Mediterranean Conference on, Malta, pp. 1100 - 1105. WOS:000426926300180. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=17	4	0,25	8,13
22	Chitu Claudia, Stamatescu Grigore , Stamatescu Iulia, Sgarciu, Valentin, Wireless System for Occupancy Modelling and Prediction in Smart Buildings, Proceedings of the 25th Mediterranean Conference on Control and Automation (MED 2017), pp. 1094 - 1099. WOS:000426926300179. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=16	4	0,25	8,13
23	Grigore STAMATESCU , Iulia STAMATESCU, Nicoleta ARGHIRA, Ioana FĂGĂRĂȘAN, Pervasive System Architecture for Optimal HVAC Control in Smart Buildings, Proceedings of the 12th IEEE Conference on Industrial Electronics and Applications, ICIEA 2017, pp. 59 - 63. WOS:000426994400011. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=15	4	0,25	8,13
24	Nicoleta ARGHIRA, Iulia STAMATESCU, Ioana FĂGĂRĂȘAN, Grigore STAMATESCU , Vasile CALOFIR, Sergiu Stelian ILIESCU, Demand Dispatch Framework for Smart Distribution Grids, Proceedings of the 12th IEEE Conference on Industrial Electronics and Applications, ICIEA 2017, pp. 48 - 52. WOS:000426994400009. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=14	6	0,25	5,42
25	Stamatescu G. , Stamatescu I., Popescu D., Consensus-based Data Aggregation for Wireless Sensor Networks, Journal of Control Engineering and Applied Informatics. Volume: 19 Issue: 2 Pages: 43-50 Published: JUN 2017 WOS:000404695500005. JCR 2017. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=11	3	0,695	15,28

26	<p>Iulia Stamatescu, Nicoleta Arghira, Ioana Făgărășan, Grigore Stamatescu, Sergiu Stelian Iliescu, Vasile Calofir, Decision Support System for a Low Voltage Renewable Energy System, ENERGIES Journal, Volume: 10, Issue: 1, Article Number: 118, 15 pages, ISSN: 1996-1073, DOI: 10.3390/en10010118, WOS:000392422500117. JCR 2017. Q2 - ENERGY & FUELS Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=25</p>	6	2,676	17,55
27	<p>Sidelobe Level Reduction in Linear Array Pattern Synthesis Using Taylor-MUSIC Algorithm for Reliable IEEE 802.11 MIMO Applications By: Ghayoula, E.; Fattahi, J.; Ghayoula, R.; Pricop, E.; Stamatescu, G.; Chouinard, JY; Bouallegue, A. Book Group Author(s): IEEE Conference: IEEE International Conference on Systems, Man, and Cybernetics (SMC) Location: Budapest, HUNGARY Date: OCT 09-12, 2016 Sponsor(s): IEEE 2016 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC) Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Pages: 4700-4705 Published: 2016 WOS: 000402634704085. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=27</p>	7	0,25	4,64
28	<p>Evaluation of continuous consensus algorithm in border surveillance missions By: Dragana, Cristian; Stamatescu, Grigore; Dobrin, Andrei; Popescu, D. Book Group Author(s): IEEE Conference: 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Location: Ploiesti, ROMANIA Date: JUN 30-JUL 02, 2016 Sponsor(s): IEEE Romania Sect; IEEE Ind Applicat Soc; Guvernul Romaniei; Univ Petrol Gaze Ploiesti 2016 8TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI) 5 pages Book Series: International Conference on Electronics Computers and Artificial Intelligence Published: 2016 WOS:000402541200045. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=28</p>	4	0,25	8,13
29	<p>Open and Closed Loop Simulation for Predictive Control of Buildings By: Stamatescu, Grigore; Stamatescu, Iulia Book Group Author(s): IEEE Conference: 24th Mediterranean Conference on Control and Automation (MED) Location: Athens, GREECE Date: JUN 21-24, 2016 Sponsor(s): Mediterranean Control Assoc; IEEE Robot & Automat Soc; CSS; IEEE; ICUAS; IEEE Control Syst Soc 2016 24TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED) Book Series: Mediterranean Conference on Control and Automation Pages: 304-309 Published: 2016 WOS:000391154900051. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=29</p>	2	0,25	16,25
30	<p>Stamatescu G., ACHIEVING SENSOR FUSION FOR COLLABORATIVE MULTI-LEVEL MONITORING OF PIPELINE INFRASTRUCTURES, UPB Scientific Bulletin, Series C Electrical Engineering and Computer Science, Vol. 78, Iss. 4, pp.83-94, 2016, ISSN 2286-3540. WOS: 000393328400007. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=1&doc=32</p>	1	0,25	32,50

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75	Filipescu A., Susnea I., Stancu A., Stamatescu G. , Path following, real-time, embedded fuzzy control of a mobile platform pioneer 3-dx, 8th WSEAS International Conference on Systems Theory and Scientific Computation (ISTASC08), Rhodes Island, Greece, 2008, pp.334-335, ISBN 978-960-8764-83-1. WOS:000263293100019. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=2&doc=76	4	0,25	8,13
76	Filipescu A., Stancu A., Stamatescu G. , On-line Parameter Estimation and Adaptive Gain Smooth Sliding Observer-Controller for Robotic Manipulator Control, International Conference on Control and Automation, IEEE ICCA 2007, pp.1948-1955, Guangzhou, China, DOI 10.1109/ICCA.2007.4376701. WOS:000257195300009. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=2&doc=77	3	0,25	10,83
77	Filipescu A., Stancu A., Filipescu S., Stamatescu G. , On-line Parameter Estimation in Sliding-mode Control of Pioneer 3-DX Wheeled Mobile Robot, 7th WSEAS International Conference on Systems Theory and Scientific Computation ISTASC07, pp.72-77, Athens, Greece, ISBN 978-960-8457-98-0. WOS:000257305100012. Link: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=E5lp3qk7nEQb72gM9Ji&page=2&doc=78	4	0,25	8,13
Total (A2.1)			31,071	779,66

A2.2	Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale [20/nr. autori]	Numar autori	Punctaj
1	Nichiforov C., Stamatescu G. , Stamatescu I., Fagarasan I., Iliescu S.St., Intelligent Load Forecasting for Building Energy Management Systems, 2018 IEEE 14th International Conference on Control and Automation (ICCA) June 12-15, 2018. Anchorage, Alaska, USA. BDI: IEEE Xplore https://ieeexplore.ieee.org/abstract/document/8444311	5	4
2	Filipescu A., Solea R., Filipescu A. Jr., Stamatescu G. , Ciubucciu G., Trajectory-Tracking Sliding-Mode Control of the Autonomous Wheelchair Modeled as a Nonholonomic WMR, 2018 IEEE 14th International Conference on Control and Automation (ICCA) June 12-15, 2018. Anchorage, Alaska, USA. BDI: IEEE Xplore https://ieeexplore.ieee.org/abstract/document/8444335/	5	4
3	G. Stamatescu , D. Popescu and I. Stamatescu, "Modeling for deployment techniques for intra-car wireless sensor networks," System Theory, Control and Computing (ICSTCC), 2014 18th International Conference, Sinaia, 2014, pp. 501-505. doi: 10.1109/ICSTCC.2014.6982466, BDI: IEEE Xplore, http://ieeexplore.ieee.org/abstract/document/6982466/	3	6,67
4	Stamatescu G. , Sgarciu V., Integration of Wireless Sensor Networks with Virtual Instrumentation in a Residential Environment, UPB Scientific Bulletin, Series C Electrical Engineering and Computer Science, 75(2), pp. 41-52, ISSN 1454-234x, 2013. BDI: Scopus, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84878522397&partnerID=40&md5=e313c5aaf7e747169080468e029c93f9	2	10,00
5	Stamatescu G. , Popescu D., Sgarciu V., MICARES: Mote Expansion Module for Gas Sensing Applications, 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013, September 12-14, Berlin, Germany, pp. 504-508, ISBN 978-1-4799-1429-6. BDI: IEEE Xplore, http://ieeexplore.ieee.org/abstract/document/6662736/	3	6,67
6	Maciua A., Popescu D., Strutu M., Stamatescu G. , Wireless Sensor Network Based on Multilevel Femtocells for Home Monitoring, 7th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems, IDAACS 2013, September 12-14, Berlin, Germany, pp. 499-503, ISBN 978-1-4799-1429-6. BDI: IEEE Xplore https://ieeexplore.ieee.org/document/6662735/	4	5,00
7	Maciua A., Stamatescu G. , Popescu D., Strutu M., Integrating Body and Ambient Sensors into a Hybrid Femtocell Network for Home Monitoring, 2nd International Conference on Systems and Computer Science, ICSCS 2013, Villeneuve d'Ascq, France, pp. 32-37, ISBN 978-1-4799-2021-1. BDI: IEEE Xplore http://ieeexplore.ieee.org/abstract/document/6662735/	4	5,00
8	Stamatescu G. , Sgarciu V., Evaluation of Wireless Sensor Network Monitoring for Indoor Spaces, International Symposium on Instrumentation & Measurement, Sensor Network and Automation, IMSNA 2012, Sanya, China, pp. 107-111. ISBN 978-1-4673-2467-0. BDI: IEEE Xplore, http://ieeexplore.ieee.org/abstract/document/6324525/	2	10,00
9	Stamatescu G. , Sgarciu V., Stamatescu S., PC-Based System for Level Transducer Interfacing, Proceedings of the First International Conference on Sensor Device Technologies and Applications, SENSOR- DEVICES 2010, Venice, Italy, DOI 10.1109/SENSORDEVICES.2010.23, ISBN 978-1-4244-7474-5. BDI: IEEE Xplore, http://ieeexplore.ieee.org/abstract/document/5632114/	3	6,67
10	Airimitoiaie T.B., Popescu D., Dimon C., Stamatescu G. , Robust Control Optimization for Thermo-energetic Installations, Proceedings of the IFAC CAO 2009 Workshop, Finland, DOI 10.3182/20090506-3-SF-4003.00006, ISBN 978-3-902661-42-5. BDI: ScienceDirect, http://www.sciencedirect.com/science/article/pii/S1474667015366696	4	5,00
11	Filipescu A., Stancu A., Filipescu S., Stamatescu G. , Real-time Sliding-mode Adaptive Control of a Mobile Platform Wheeled Mobile Robot, 17th World Congress, The International Federation of Automatic Control, Seoul, Korea, July 6-11, 2008, pp.4393-4399, DOI 10.3182/20080706-5-KR-1001.0881. BDI: ScienceDirect, http://www.sciencedirect.com/science/article/pii/S1474667016396379	4	5,00
	Total (A2.2)		68,00

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

A2.3.2	Proprietate intelectuala, brevete de inventie, certificate ORDA, Nationale [20/nr.aurori]	Numar autori	Punctaj
1	Fagarasan, I., Stamatescu, I., Stamatescu, G. , Ilescu, S., Arghira, N., "Simulator inteligent de procese industriale" Publicat 30.06.2011/6/2011, RO126447-A2, Brevet acordat 126447B1 din 31.10.2018, OSIM, 2018. Link: http://pub.osim.ro/publication-server/pdf-document?PN=RO126447%20RO%20126447&iDocId=11304&iepatch=.pdf	5	4
Total (A2.3.2)			4,00

A2.4.1.1	Granturi / proiecte internationale castigate prin competitie - Director de proiect/ Responsabil [20 * ani in desfasurare]	Numar ani	Punctaj
1	Grant de cercetare Fulbright Visiting Scholar 2015-2016 Titlu: "Pervasive Building Energy Monitoring and Control over Reliable Wireless Sensor Networks" (ENERGY-WSN) Durata: 6 luni, Octombrie 2015 - Martie 2016, University of California, Merced - ANDES lab Finantat de: Departamentul de stat al SUA - contract nr. 586/24.08.2015 [22185 USD] Responsabil grant: S.I. Dr. Ing. Grigore Stamatescu.	0,5	10
2	Grant de cercetare Joint Excellence in Science and Humanities 2019 Titlu: "Data-driven Modelling of Complex Manufacturing Systems" (DAMS) Durata: 6 luni, Februarie - Iulie 2019, Complexity Science Hub Viena si Universitatea Tehnica din Graz - Institutul de Informatica Tehnica Finantat de: Academia de Stiinte a Austriei [18400 USD] Responsabil grant: Conf. Dr. Ing. Grigore Stamatescu	0,5	10
Total (A2.4.1.1)			20,00

A2.4.1.2	Granturi / proiecte nationale castigate prin competitie - Director de proiect/ Responsabil [10 * ani in desfasurare]	Numar ani	Punctaj
1	Grant de cercetare de excelenta Titlu: "Noi algoritmi de consens dinamic pentru managementul termic al cladirilor" (CONSENSYS), Competitie proiecte UPB GEX 2015, Contract nr. 20/26.09.2016 [18900 RON], Durata 1 an: Septembrie 2016 - Septembrie 2017, Director de proiect: S.I. Dr.-Ing. Grigore Stamatescu, http://imtt.pub.ro/cercetare/proiecte/consensys/?lang=en	1	10
2	Cec de inovare „Gateway multi-protocol pentru automatizare deschisa in cladiri inteligente”, nr. PN-III- P2-2.1-CI-2017-0484, Proiect 73CI/2017 [50000 RON], Director de proiect: Conf. Dr. Ing. Grigore Stamatescu, Executant: Universitatea Politehnica din Bucuresti, Beneficiar AVITECH CO SRL Perioada de desfasurare: 07.2017-12.2017 http://imtt.pub.ro/cercetare/proiecte/openbms/?lang=en	0,5	5
Total (A2.4.1.2)			15,00

A2.4.2.1	Granturi / proiecte internationale castigate prin competitie - Membru in echipa [4 * ani in desfasurare]	Numar ani	Punctaj
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1	Proiect "Dynamische SW-Architekturen in Steuergeräten"/"Dynamic Software Architectures in Control Devices" (DynaS3), BMBF Grant FKZ1752X07, Laboratory for Safe and Secure Systems (LaS3), FH Regensburg, Germania	0,33	1,32
Total (A2.4.2.1)			1,32

A2.4.2.2	Granturi / proiecte nationale castigate prin competitie - Membru in echipa [2 * ani in desfasurare]	Numar ani	Punctaj
1	PN-III-P2-2.1-BG-2016- 0234 "Sistem Avansat de conducere a proceselor pentru Specializare Inteligenta in Domeniul energetic" (ASID), http://shiva.pub.ro/cercetare/asid/ , 2016-2018	1,5	3
2	PN-III-P2-2.1-BG-2016- 0387 Sistem de Automatizare si Telemetrie Eficient energetic pentru managementul Resurselor in Agricultura de precizie" (SA-TERRA), http://shiva.pub.ro/cercetare/saterra/ , 2016-2018	1,5	3
3	Sistem multi-dronă de evaluare a efectelor inundațiilor (SIMUL), Proiect Bridge BG49, Director de proiect: Prof.dr.ing. Dan Popescu, Perioada de desfășurare: 2016- 2018	2	4
4	Sistem robotic integrat aerian multiagent pentru explorarea regiunilor de interes terestre (MAARS), National Program STAR, Proiect 185/2017, Director de proiect: Prof.dr.ing. Dan Popescu, Perioada de desfășurare: 2017-2019	2	4
5	Conducerea inteligenta si distribuita a 3 sisteme autonome complexe integrate in tehnologii emergente pentru asistare personala medico-sociala si deservire de linii de fabricatie flexibila de precizie (CIDSACTEH) - PN-III-P1-1.2-PCCDI-2017-0290, contract 78PCCDI/01.03.2018, Responsabil de proiect UPB: Prof.dr.ing. Radu Dobrescu, Perioada de desfășurare: 2018-2020	3	6
6	„Rețea de noduri multisenzoriale inteligente pentru monitorizare indoor”, nr. PN-III- P2-2.1-CI-2017-0508, Proiect 100CI/2017, Director de proiect: Ichim Loretta, Executant: Universitatea Valahia din Targoviste, Beneficiar SOCIETATEA DE INGINERIE SISTEME SIS S.A. Perioada de desfasurare: 07.2017-12.2017 http://smard.valahia.ro/	0,5	1
7	Sistem integrat de monitorizare inteligentă, UAV–WSN–IoT, pentru agricultura de precizie (MUWI) no. 1224/2018 UPB, subsidiar al proiectului NETIO - UEFISCDI, Director de proiect: Prof.dr.ing. Dan Popescu, Perioada de desfășurare: 2018-2020	3	6
8	Cec de inovare "Sistem pentru monitorizarea indoor a calității aerului prin rețele de senzori wireless" – MICARES, UEFISCDI cod PN-II-IN-CI-2012-1-0254	0,5	1
9	Cec de inovare "Sistem de reglare a irigării bazat pe monitorizarea umidității solului" - SIRIUS, UEFISCDI cod PN-II-IN-CI-2012-1-0179	0,5	1
10	Proiect de cercetare "Sistem inteligent de asistare a deciziilor aplicat în rețele electrice de joasă tensiune cu producere distribuită din surse de energie regenerabilă" – InDeSEn, PN-II-PT-PCCA-2011-3.2, http://indesen.ats.com.ro , 2012-2016	4,5	9
11	Proiect de cercetare "New Innovative System for Radiation Safety of Patients Investigated by Radiological Imaging Methods, based on Smart Cards and PKI Infrastructures" – SRSPIRIM, Contract de finantare UEFISCDI 187/26.07.2012	3	6
12	Proiect de cercetare, "Sistem robotic multisenzorial pentru monitorizarea aeriană a sistemelor de infrastructuri critice", MUROS, Programul STAR al Agenției Spațiale Române – ROSA, Competiția C2, Contract 71/2013, http://imt.pub.ro/muros/?lang=en , 2013-2016	3	6
13	Proiect de cercetare "Servicii medicale electronice eficiente și sigure bazate pe infrastructuri PKI și smart-card-uri – SMESIS", Contract CNMP nr. 12125/01.10.2008	1	2

14	Proiect de cercetare "Platformă informatică integrată pentru managementul securizat al datelor personale bazată pe smart-card-uri și infrastructuri PKI – PLATSEC", Contract CNMP nr. 82105/01.10.2008	1	2
Total (A2.4.2.2)			54,00

A3	Recunoasterea si impactul activitatii (A3)	578,73
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A3.1.1	Citari in carti, reviste si volume ale unor manifestari stiintifice - carti, ISI [8/nr.autori citati]	Nr. aut. art. citat	Punctaj
Stamatescu G., Chitu C., Vasile C., Stamatescu I., Popescu D., Sgarciu V., Analytical and Experimental Sensor Node Energy Modeling in Ambient Monitoring, 9th IEEE Conference on Industrial Electronics and Applications, ICIEA 2014, June 9-11, Hangzhou, China, pp. 1615-1619, ISBN 978-1-4799-4315-9. WOS:0003496383300305 Citat			
1	Power profiling of multimedia sensor node with name-based segment streaming By: Seema, Adolph; Shah, Tejas; Schwoebel, Lukas; Yu Liu; Martin Reisslein MULTIMEDIA TOOLS AND APPLICATIONS Volume: 77 Issue: 16 Pages: 21417-21443 Published: AUG 2018 WOS:000441233300048 Q2	6	2,67
2	Peel-and-Stick Sensors Powered by Directed Radio-Frequency Energy By: David Eric Schwartz, Clinton J. Smith, Joseph Lee, Shakthi Priya Gowri, George Daniel, Christopher Lalau-Keraly, Quentin Baudenon and J. R. M. Saavedra Conference: ASME-Electronic-and-Photonic-Packaging-Division (EPPD) InterPack Conference (InterPACK) Location: San Francisco, CA Date: AUG 29-SEP 01, 2017 Sponsor(s): ASME, Elect Photon Package Div JOURNAL OF ELECTRONIC PACKAGING Volume: 140 Issue: 2 Article Number: 020904 Published: JUN 2018 WOS:000432367100005 Q2	6	2,67
3	A Review of Low-End, Middle-End, and High-End IoT Devices By: Ojo, Mike O.; Giordano, Stefano; Procissi, Gregorio; Ilias N. Seitanidis IEEE ACCESS Volume: 6 Pages: 70528-70554 Published: 2018 WOS:000453298600001 Q1	6	2,67
4	SiloSense: ZigBee-based Wireless Measurement System Architecture for Agriculture Parameter Monitoring By: Tranca, Dumitru-Cristian; Stancu, Florin-Alexandru; Rughinis, Razvan; Daniel Rosner Conference: 4th International Conference on Control, Decision and Information Technologies (CoDIT) Location: Barcelona, SPAIN Date: APR 05-07, 2017 Sponsor(s): IEEE Syst, Man, & Cybernet Soc; IEEE Seccion Espana; I4E2; Univ Politecnica Catalunya, Faculty of Math; Univ Politecnica Catalunya; IEEE Control Syst Soc; Int Inst Innovat, Ind Engr & Entrepreneurship 2017 4TH INTERNATIONAL CONFERENCE ON CONTROL, DECISION AND INFORMATION TECHNOLOGIES (CODIT) WOS:000450826500057	6	1,33
5	Integrating wireless sensors into cloud systems for ambient assisted living By: Moraru, Sorin-Aurel; Perniu, Liviu; Kristaly, Dominic Mircea; Delia Ungureanu; Florin Sandu; Adrian Mosoi Conference: 25th Mediterranean Conference on Control and Automation (MED) Location: Univ Malta, Valletta Campus, Valletta, MALTA Date: JUL 03-06, 2017 Sponsor(s): Mediterranean Control Assoc; IEEE Control Syst Soc; IEEE; IEEE Robot & Automat Soc 2017 25TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED) Book Series: Mediterranean Conference on Control and Automation Pages: 1106-1112 Published: 2017 WOS:000426926300181	6	1,33

Iulia Stamatescu, Ioana Fagarasan, Grigore Stamatescu , Nicoleta Arghira, Sergiu Stelian Iliescu, Design and Implementation of a Solar-tracking Algorithm, Procedia Engineering, Volume 69, 2014, Pages 500-507, ISSN 1877-7058, http://dx.doi.org/10.1016/j.proeng.2014.03.018 . WOS:000335859300067. Citat de:			
6	A Low-Cost Closed-Loop Solar Tracking System Based on the Sun Position Algorithm By: Chowdhury, Muhammad E. H.; Khandakar, Amith; Hossain, Belayat; Rayaan Abouhasera JOURNAL OF SENSORS Article Number: 3681031 Published: 2019 WOS:000460899300001 Q2	5	3,20
7	A Novel Approach for an MPPT Controller Based on the ADALINE Network Trained with the RTRL Algorithm By: Vilorio-Porto, Julie; Robles-Algarin, Carlos; Restrepo-Leal, Diego ENERGIES Volume: 11 Issue: 12 Article Number: 3407 Published: DEC 2018 WOS:000455358300168 Q2	5	3,20
8	Solar tracking systems: Technologies and trackers drive types - A review By: Hafez, A. Z.; Yousef, A. M.; Harag, N. M. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 91 Pages: 754-782 Published: AUG 2018 WOS:000434919600052 Q1	5	3,20
9	FOPID based MPPT for photovoltaic system By: Jeba, P.; Selvakumar, A. Immanuel ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS Volume: 40 Issue: 13 Pages: 1591-1603 Published: 2018 WOS:000437335500004	5	1,60
10	P&O MAXIMUM POWER POINT REGULATION MODEL FOR TWO STAGE GRID CONNECTED PV SYSTEMS By: Ionescu, Mihai UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE Volume: 80 Issue: 2 Pages: 85-96 Published: 2018 WOS:000434342000007	5	1,60
11	A Low-Cost Maximum Power Point Tracking System Based on Neural Network Inverse Model Controller By: Robles Algarin, Carlos; Sevilla Hernandez, Deimer; Restrepo Leal, Diego ELECTRONICS Volume: 7 Issue: 1 Article Number: 4 Published: JAN 2018 WOS:000424110800004	5	1,60
12	Recent advancements and challenges in Solar Tracking Systems (STS): A review By: Nsengiyumva, Walter; Chen, Shi Guo; Hu, Lihua; Xueyong Chen RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 81 Pages: 250-279 Part: 1 Published: JAN 2018 WOS:000417070500020 Q1	5	3,20
13	PV module behavior model for different external factors conditions By: Ionescu, Mihai Andrei; Iliescu, Sergiu Stelian; Arghira, Nicoleta; Ioana Fagarasan Conference: IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) Location: Cluj Napoca, ROMANIA Date: MAY 19-21, 2016 Sponsor(s): IEEE; IEEE Comp Soc Test Technol Tech Council; Tech Univ Cluj Napoca, Dept Automat; IPA PROCEEDING OF 2016 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR) Book Series: IEEE International Conference on Automation Quality and Testing Robotics Pages: 263-268 Published: 2016 WOS:000390997900044	5	1,60
14	Low-cost automatic multi-axis solar tracking system for performance improvement in vertical support solar panels using Arduino board By: Laseinde, Timothy; Ramere, Dominic INTERNATIONAL JOURNAL OF LOW-CARBON TECHNOLOGIES Volume: 14 Issue: 1 Pages: 76-82 Published: MAR 2019 WOS:000462581200007	5	1,60
Strutu M., Stamatescu G. , Popescu D., A Mobile Sensor Network Based Road Surface Monitoring System, International Workshop on Systems Safety & Security for Automotive, Passengers & Goods Protection, IWSSS 2013, October 11-13, Sinaia, Romania, ISBN 978-1-4799-2228-4. WOS:000330660500099 Citat de:			

15	An overview of smartphone technology for citizen-centered, real-time and scalable civil infrastructure monitoring By: Alavi, Amir H.; Buttler, William G. FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE Volume: 93 Pages: 651-672 Published: APR 2019 WOS:000459365800052 Q1	3	5,33
16	Road Surface Monitoring Using Smartphone Sensors: A Review By: Sattar, Shahram; Li, Songnian; Chapman, Michael SENSORS Volume: 18 Issue: 11 Article Number: 3845 Published: NOV 2018 WOS:000451598900255 Q2	3	5,33
17	Cost Effective Surface Disruption Detection System for Paved and Unpaved Roads By: Forrest, Mumbere Muyisa; Chen, Zhigang; Hassan, Shahzad; Ian Osolo Raymond; Karim Alinani IEEE ACCESS Volume: 6 Pages: 48634-48644 Published: 2018 WOS:000445464200001 Q1	3	5,33
18	Madli, Rajeshwari; Hebbar, Santosh; Pattar, Praveenraj; Golla, Varaprasad, Automatic Detection and Notification of Potholes and Humps on Roads to Aid Drivers, IEEE SENSORS JOURNAL Volume: 15 Issue: 8 Pages: 4313-4318 Published: AUG 2015 WOS:000357802000021 Q1	3	5,33
19	Nasir, NAM; Maulud, KNA ; Yusoff, NIM; GEOSPATIAL ANALYSIS OF ROAD DISTRESSES AND THE RELATIONSHIP WITH THE SLOPE FACTOR, JOURNAL OF ENGINEERING SCIENCE AND TECHNOLOGY, Volume: 11, Issue: 5, Pages: 655-665, Published: MAY 2016. WOS: 000385259200001	3	2,67
20	Hanson, Trevor; Cameron, Coady; Hildebrand, Eric, Evaluation of low-cost consumer-level mobile phone technology for measuring international roughness index (IRI) values, CANADIAN JOURNAL OF CIVIL ENGINEERING Volume: 41 Issue: 9 Pages: 819-827 Published: SEP 2014 WOS:000342382800005	3	2,67
21	Image Processing Techniques for Automated Road Defect Detection: A Survey By: Bello-Salau, H.; Aibinu, A. M.; Onwuka, E. N.; J. J. Dukiya; A. J. Onumanyi Conference: 11th International Conference on Electronics, Computer and Computation (ICECCO) Location: Abuja, NIGERIA Date: SEP 29-OCT 01, 2014 PROCEEDINGS OF THE 2014 11TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTER AND COMPUTATION (ICECCO'14) Published: 2014 WOS:000412227000017	3	2,67
Iulia Stamatescu, Nicoleta Arghira, Ioana Făgărășan, Grigore Stamatescu , Sergiu Stelian Iliescu, Vasile Calofir, Decision Support System for a Low Voltage Renewable Energy System, ENERGIES Journal, Volume: 10, Issue: 1, Article Number: 118, ISSN: 1996-1073, DOI: 10.3390/en10010118, WOS:000392422500117 Citat de:			
22	MICROGRID CONTROL SIMULATION AND TESTING By: Puianu, Mihaela; Flangea, Ramona-Oana; Arghira, Nicoleta; Sergiu Stelian Iliescu UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE Volume: 80 Issue: 2 Pages: 57-68 Published: 2018 WOS:000434342000005	6	1,33
23	A Decision Support Tool for Building Integrated Renewable Energy Microgrids Connected to a Smart Grid By: Asaleye, Damilola A.; Breen, Michael; Murphy, Michael D. ENERGIES Volume: 10 Issue: 11 Article Number: 1765 Published: NOV 2017 WOS:000417046500084 Q2	6	2,67
24	Rethinking Participation in Smart Energy System Planning By: Lammers, Imke; Arentsen, Maarten J. ENERGIES Volume: 10 Issue: 11 Article Number: 1711 Published: NOV 2017 WOS:000417046500030 Q2	6	2,67

25	Optimizing the Renewable Energy Potential: Myth or Future Trend in Romania By: Oncioiu, Ionica; Petrescu, Anca Gabriela; Grecu, Eugenia; Marius Petrescu ENERGIES Volume: 10 Issue: 6 Published: JUN 2017 WOS:000404384000025 Q2	6	2,67
26	Control Techniques and Strategies for Microgrids Towards an Intelligent Control By: Fagarasan, Ioana; Stamatescu, Iulia; Arghira, Nicoleta; Daniela Hossu; Andrei Hossu; Sergiu Stelian Iliescu Conference: 21st International Conference on Control Systems and Computer Science (CSCS) Location: Univ Politehnica Bucharest, Bucharest, ROMANIA Date: MAY 29-31, 2017 Sponsor(s): Univ Politehnica Bucharest, Fac Automat Control & Comp; Romanian Soc Control Engr & Tech Informat; IEEE Comp Soc; IEEE; Romanian Acad Sci & Informat Technol Sect; IEEE Romania Sect; IEEE Comp Soc, Romanian Chapter; Romanian Assoc Artificial Intelligence 2017 21ST INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS) Pages: 630-635 Published: 2017 WOS:000449004400089	6	1,33
27	PV panel - wind turbine hybrid system modelling By: Puianu, Mihaela; Flangea, Ramona-Oana; Arghira, Nicoleta; Sergiu Stelian Iliescu Conference: 21st International Conference on Control Systems and Computer Science (CSCS) Location: Univ Politehnica Bucharest, Bucharest, ROMANIA Date: MAY 29-31, 2017 Sponsor(s): Univ Politehnica Bucharest, Fac Automat Control & Comp; Romanian Soc Control Engr & Tech Informat; IEEE Comp Soc; IEEE; Romanian Acad Sci & Informat Technol Sect; IEEE Romania Sect; IEEE Comp Soc, Romanian Chapter; Romanian Assoc Artificial Intelligence 2017 21ST INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE (CSCS) Pages: 636-640 Published: 2017 WOS:000449004400090	6	1,33
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100	Efficient Solution for Smart Home Applications By: Hanganu, Cristina; Chenaru, Oana; Ichim, Loretta; Dan Popescu Conference: 26th Telecommunications Forum (TELFOR) Location: Belgrade, SERBIA Date: NOV 20-21, 2018 2018 26TH TELECOMMUNICATIONS FORUM (TELFOR) Pages: 424-427 Published: 2018 WOS:000459714200096	5	1,60
Total (A3.1.1)			266,40

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Total (A3.1.2)			14,33

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1	Technical Programme Committee, IWSSS 2013 - International Workshop on Systems Safety & Security for Automotive, Passengers & Goods Protection, 11-13.10.2013, Sinaia, Romania [http://www.iwsss.org]	10
2	Technical Programme Committee, International Conference on Intelligent Technologies and Applications INTAP 2018, 23-25.10.2018, Bahawalpur, Pakistan [http://jdconline.net/intap/index.html]	10
3	Technical Programme Committee, 2nd International Conference on Enterprise Architecture and Information Systems (EAIS 2017), 9-13.07.2017, Hamamatsu, Japan [http://www.iaiai.org/conference/aa2017/eais-2017/]	10
4	Technical Programme Committee, 1st International Workshop on Applied Information Technologies for Sustainable Development (AITSD'18), 9-12.09.2018, Poznan, Poland [https://fedcsis.org/2018/aitsd]	10
5	Technical Programme Committee, 4th IEEE INTERNATIONAL SYMPOSIUM ON WIRELESS SYSTEMS (IDAACS-SWS'2018), 9-12.09.2018, Lviv, Ukraine [http://www.idaacs.net/2018/]	10
6	Co-chair of the Organizing Committee, IWSSS 2014 - 2nd International Workshop on Systems Safety & Security, 23-25.10.2014, Bucharest, Romania [http://www.iwsss.org]	10
7	Co-chair of the Organizing Committee, IWSSS 2015 - 3rd International Workshop on Systems Safety & Security, 25-27.06.2015, Bucharest, Romania [http://www.iwsss.org]	10
8	Co-chair of the Organizing Committee, IWSSS 2016 - 4th International Workshop on Systems Safety & Security, 30.06-2.07.2016, Ploiesti, Romania [http://www.iwsss.org]	10
9	Co-chair of the Organizing Committee, IWSSS 2017 - 5th International Workshop on Systems Safety & Security, 30.06-2.07.2016, Ploiesti, Romania [http://www.iwsss.org]	10
10	International Scientific Committee, The 8th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2015), September 24-26, 2015 Warsaw, Poland	10
11	General co-chair, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2015 Bucuresti, Romania	10
12	Organizator sesiune speciala, Special Stream in Smart Buildings and Smart Cities, cu I. Fagarasan si D. Popescu, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2015 Bucuresti, Romania http://www.idaacs.net/2017/SS_SBSC	10
13	Organizator sesiune speciala, Special session on advanced methods and applications for increasing control systems reliability, safety and security, cu E. Pricop si M. Samejima, IEEE International Conference on Systems, Man, and Cybernetics (SMC 2016), 9-12 October, Budapest	10

14	Organizator sesiune speciala, Intelligent Wireless Sensor Networks for Monitoring, Diagnosis and Control, cu D. Popescu si L. Ichim, 4th International Conference on Control, Decision and Information Technologies, CODIT 2017, Barcelona, Spain. http://codit2017.com/index.php/special-sessions	10
15	Organizator sesiune speciala, FriA05 Special session on Control in Smart Cities, cu V. Lesic, 26th Mediterranean Conference on Control and Automation, June 19-22, 2018, Zadar, Croatia	10
16	Lead Guest Editor, Special Issue: Sensing and Data-Driven Control for Smart Building and Smart City Systems, cu I. Fagarasan si A. Sachenko, Hindawi Journal of Sensors, ISSN: 1687-725X (Print), ISSN: 1687-7268 (Online), DOI: 10.1155/9161 - ISI Q2 https://www.hindawi.com/journals/js/si/152038/	10
17	Guest Editor, Special Issue "Convergence of Intelligent Data Acquisition and Advanced Computing Systems including Selected Papers from IDAACS2019", cu A. Sachenko, W. Winiiecki, D. Popescu, MDPI Sensors, EISSN 1424-8220 - ISI Q2 https://www.mdpi.com/journal/sensors/special_issues/IDAACS2019	10
18	Editorial Board Member, Hindawi Journal of Sensors, ISSN: 1687-725X (Print), ISSN: 1687-7268 (Online), DOI: 10.1155/9161 - ISI Q2 https://www.hindawi.com/journals/js/editors/	10
19	Organizator sesiune speciala, Intelligent Wireless Sensor Networks for Monitoring, Diagnosis and Control, cu D. Popescu si L. Ichim, 5th International Conference on Control, Decision and Information Technologies, CODIT 2018, Thessaloniki, Greece. BDI: Scopus http://codit2018.com/index.php/special-sessions	10
Total (A3.3.1)		190,00

A3.3	Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, indexate BDI [6p]	Punctaj
1	Associate Editor, International Journal of Computing, ISSN 1727-6209 (Print) ISSN 2312-5381 (Online) BDI: Scopus http://www.computingonline.net/computing/about/editorialTeam	6
2	Technical Programme Committee, 3rd International Conference on Enterprise Architecture and Information Systems (EAIS 2018), 8-13.07.2018, Yonago, Tottori, Japan [http://www.iaiai.org/conference/aai2018/eais-2018/] BDI: Scopus	6
3	Technical Programme Committee, 9th IEEE International Conference Dependable Systems, Services and Technologies, 24-27.07.2018, Kiev, Ukraine [http://dessert.ieee.org.ua/dessert-2018/] BDI: IEEE Xplore	6
Total (A3.3.2)		18,00

A3.4	Premii in domeniu - Academia Romana, ASTR, academii de ramura, premii internationale [15p]	Punctaj
1	"Are Hjørungnes" Student Travel Grant, IEEE Distributed Computing in Sensor Systems – DCOSS 2011, Barcelona, Spain, 2011.	15
2	Competitive Travel Grant, Advanced School on ICT for Future Energy Systems – ICT4FES 2012, Trento, Italy, 2012.	15
3	Competitive Travel Grant, 2nd COST IntellICIS Training School – Simulation-based Design of Complex Infrastructure Systems, RWTH Aachen, Germany, 2013.	15
4	Student Travel Grant, 9th European Wireless Sensor Networks Conference – EWSN 2012, Trento, Italy, 2012.	15
5	Best Paper Award, SENSORCOMM 2012, Rome, Italy, pentru lucrarea: Khadem M., Stamatescu G., Sgarciu V., Wireless Measurement Node for Dust Sensor Integration, Proceedings of the 6th International Conference on Sensor Technologies and Applications, SENSORCOMM 2012, Rome, Italy, ISBN 978-1-61208-207-3. https://www.iaria.org/conferences2012/awardsSENSORCOMM12/sensorcomm2012_a6.pdf	15

6	Best Paper Award CODIT 2018, Thessaloniki, Grece, pentru lucrarea: Mihai V., Dragana C., Stamatescu G., Popescu D., Ichim L., Wireless Sensor Network Architecture based on Fog Computing. http://codit2018.com	15
	Total (A3.4.1)	90,00