

Dosar de concurs pentru acordarea gradatiei de merit

Candidat,
Conf. dr. ing. Ovidiu Ursaru



SYSTEM AND METHOD EMPLOYED IN THE PROCESS OF CONVERSION OF WIND ENERGY INTO ELECTRIC POWER		30
Inventor: [RO] AGHION CRISTIAN [RO] URSARU OVIDIU[RO]	Applicant: [RO] AGHION CRISTIAN [RO] URSARU OVIDIU	IPC: G01R21/133 H01M10/42
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ELECTRONIC SYSTEM FOR RENEWABLE ENERGY TRAFFIC MANAGEMENT		
Inventor: [RO] URSARU OVIDIU[RO] [RO] AGHION CRISTIAN	Applicant: [RO] URSARU OVIDIU [RO] AGHION CRISTIAN	CPC: IPC: G01R31/36 H01M10/42
		Publication info: RO131296 (A2) 2016-07-29
		Priority date: 2014-12-23
TOTAL 2.5		70

2.6.1 Proiecte /Contracte/granturi de cercetare-dezvoltaredepuse in cadrul unor competitii, nefinanțate

Nr.crt.	Titlul contractului	Punctaj
Director/responsabil grant national		
1	Soluționarea problemelor de conversie d.c.-d.c. existente în domeniul automotive, prin implementarea de noi topologii și tehnici de comandă inteligente, BRIDGE GRANT 2016 Director proiect: conf.dr.ing. Ovidiu Ursaru	30
2	Sistem electronic performant folosit în conversia energiei eoliene în energie electrică, PN-II-RU-TE-2014-4-1123 Director proiect: conf.dr.ing. Ovidiu Ursaru	30
TOTAL 2.6.1		60

2.9 Citări în reviste cotate ISI sau indexate în baze de date internaționale (BDI)

(Reviste ISI:5xnr.citari, Reviste BDI:3xnr. Citari, Vol. conf. ISI:2x nr.citari)

1) Direct AC-AC Step-Down Single-Phase Converter with Improved Performances
C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu
Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18) pp. 33-36 Accession Number: WOS:000313297600008

Nr.crt.	Titlul articolului care ne citează	Punctaj
1	AC Chopper Application and Benefits of Auxiliary Windings for PSC Motors MF Isik, U Guvenc, H Yannaz - Elektronika ir Elektrotechnika, 2013 - kalbos.knu.lt	5
2	Novel Control Strategy of Single Matrix Traction Converter - Variable Switching Frequency By: Bednar, Bedrich; Blahnik, Vojtech; Drabek, Pavel; et al. ELEKTRONIKA IR ELEKTROTECHNIKA Volume: 21 Issue: 5 Pages: 13-18 Published: 2015	5

3	Novel Control Strategy of Traction Converter With Medium Frequency Transformer By: Bednar, Bedrich; Drabek, Pavel; Pittemann, Martin Edited by: Brieda, P., Dubovan, J., Markovic, M Investigation of the AC/AC Buck-Boost Converter	5
4	Properties of the AC/AC buck-boost converter Ivars Rankis ; Marcis Prieditis 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUICON)	2
6	Circuit and method for ac-to-ac voltage conversion MRHM Javarsiani, H Mokhtari - US Patent App. 15/675,313, 2017 - Google Patents A circuit and method for converting an input AC voltage of a source to an output AC voltage of a destination is disclosed. The circuit may include a main switch cell coupled to the source, a freewheeling switch cell coupled to the main switch cell, a first inductor coupled to ...	1
Total:		21
2) Three-phase inverter controlled by ISCPWM and DPWM-S1 C. Aghion, O. Ursanu Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012. No. 3(119) pp. 87-90 Accession Number: WOS:000302336200019		
1	Integrated Models of a Gas Metal ARC Welding Process and Inverter based Power Supply for Process Control Simulation Studies By: Golob, M. ELEKTRONIKA IR ELEKTROTECHNIKA Volume: 20 Issue: 7 Pages: 3-6 Published: 2014 Indirect vector control of a DFIG supplied by a two-level FSVW inverter for wind turbine system Habib BENBOUHENNI ENPO-MA, Oran, Algeria	5
Total:		8
3) MOTOR CONTROL STRATEGY BASED ON ISCPWM AND THIPWM Cristian Aghion, Ovidiu Ursanu, Mihai Lucanu, Ciprian-Mircea Paveluta, Octavian Botez International Symposium on Signals Circuits and Systems - ISSCS 2011, Iasi, Romania, June 30 - July 1 2011, pp. 451-454. Accession Number: WOS:000337925400113		
1	An evaluation of silicon carbide unipolar technologies for electric vehicle drive-trains S Jahdi, O Alaitse, C Fisher, L Ran, P Mawby - 2014 - ieeexplore.ieee.org	2
2	An optimal pulse width modulation method for high-speed permanent magnet synchronous motor L Li, G Tan, J Liu, B Kou - Information Science and Technology ... 2013 - ieeexplore.ieee.org	2
3	Cascaded H-bridge Asymmetrical Seven-level Inverter Using THIPWM for High Power Induction Motor R Taleb, D Benyoucef, M Helami, Z Boudjemaa... - Energy Procedia, 2015 - Elsevier	2
4	Control Strategies of Micro Grid With UPEC Using ISCPWM Inverter RB Karikalani, S Baskar - 2018 International Conference on ... 2018 - ieeexplore.ieee.org	2
5	The implementation of sinusoidal PWM on single phase 5-level cascaded h-bridge multilevel inverter MF Yaakub - 2013 - eprints.uthm.edu.my	3
6	Analysis of dynamic performance and robustness of silicon and SiC power electronics devices S Jahdi - 2016 - wrap.warwick.ac.uk	5
7	Quality Improvement of VSI fed to Five-Phase Induction Motor with FHL Control Technique SC Rangari, B Shah... - International Journal of ... 2017 - ripublication.com	5
8	Analytical and comparative study of FHL-SPWM and SPWM control technique of Five-phase VSI B Shah, SC Rangari, MM Renge - 2016 IEEE 1st International ... 2016 - ieeexplore.ieee.org	2
Total:		23

4) Motor Control using Discontinuous Signals C. Aghion, O. Ursaru		
1	Integrated Models of a Gas Metal ARC Welding Process and Inverter based Power Supply for Process Control Simulation Studies By: Golob, M. ELEKTRONIKA IR ELEKTROTECHNIKA Volume: 20 Issue: 7 Pages: 3-6 Published: 2014	5
2	Study of Adjustable Discontinuous Pulse Width Modulation (ADPWM) Based on Switching Transient Inverter Loss Algorithm XC Xu, J Wang, D Zheng, J Zhang - 2019 - sae.org	2
Total:		7
5) Software implementation for ACIM motor control C. Aghion, O. Ursaru, M. Lucanu		
International Review of Electrical Engineering (IREE) - April 2010 - Papers Part A, vols. No. 2, ISSN: 1827-6660, Naples, Italy - pp.433-436. Accession Number: WOS:000278583300011		
1	High speed shaft sensorless DFOC induction motor drive with field angle correction Porobić, V.B., Adžić, E.M., Marčetić, D.P.	5
2	Source of the Document International Review of Electrical Engineering, Volume 6, Issue 4, July 2011, Pages 1664-1674. (OPTIM), ..., 2014 - ieeexplore.ieee.org	2
3	Harmonic results for the AC/AC direct converter built of CSI modules DO Neacsu - Signals, Circuits and Systems (SSCS), 2013 ... 2013 - ieeexplore.ieee.org	2
Total:		10
6) Multilevel inverters with imbricated switching cells. PWM and DPWM-controlled O. Ursaru, C. Aghion.		
Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2010 - no. 8 (104) - pp. 23-26. Accession Number: WOS:000283700100005		
1	Two Analytical Methods for Detection and Elimination of the Static Hazard in Combinational Logic Circuits MG Timis, A Valachi, A Barleanu, A Stan - Circuits and Systems, 2013 - scirp.org	2
2	A simulation benchmark for selection of the PWM algorithms for a multilevel PWM matrix converter. DO Neacsu - ... of Electrical and Electronic Equipment (OPTIM), ..., 2014 - ieeexplore.ieee.org	2
3	Application with a XY-plotter controlled by PLC used in student laboratory works. Advanced Topics in Electrical Engineering (ATEE), 2015 9th International Symposium on, 7-9 May 2015, Page(s): 117 - 120, INSPEC Accession Number: 15240786	2
4	Comparative Analysis of Power Losses for 3-Level NPC and T-type Inverter Modules By: Lee, Kwanghee; Shin, Hyunjin; Choi, Jaeho Book Group Author(s): IEEE Conference: IEEE International Telecommunications Energy Conference (INTELEC) Location: Namba, PEOPLES R CHINA Date: OCT 18-22, 2015 Sponsor(s): IEEE; IEEE Power Elect Soc	2
5	Power loss comparison with different PWM methods for 3L-NPC inverter and 3L-T type inverter H Shin, K Lee, J Choi, S Seo... - 2014 International Power ..., 2014 - ieeexplore.ieee.org	2
Total:		10
7) Three-Phase Motor Control using Modified Reference Wave C. Aghion, O. Ursaru, M. Lucanu.		
Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2010 - no. 3 (99) - P. 35-38. Accession Number: WOS:000276030600008		
1	Mitigation of Magnetizing Inrush Current using Sequential Phase Energization Technique. By: Jamali, M.; Mirzaie, M.; Asghar-Gholamian, S. ELEKTRONIKA IR ELEKTROTECHNIKA Issue: 2 Pages: 67-70 Published: 2011	5

2	Induction Motor Voltage Amplitude Control Technique based on the Motor Efficiency Observation. By: Bleizgys, V.; Baskys, A.; Lipinskis, T. ELEKTRONIKA IR ELEKTROTECHNIKA Issue: 3 Pages: 89-92 Published: 2011	5
3	Application of RBE network in rotor time constant adaptation P Brandstetter, P Chlebis, P Palaacky, O Skuta - Elektronika ir ... 2011 - eis.ktu.lt	5
4	Efficiency Increase of Switched Mode Power Supply through Optimization of Transistor's Commutation Mode P Španik, M Fritvaldský, P Dragoňa, J Kandrát - Electronics and Electrical ... 2010 - ee.ktu.lt	5
5	Design and Application of Full Digital Control System for LLC Multiresonant Converter P Španik, P Dragoňa, M Fritvaldský, ... - (Electronics and Electrical ... 2010 - ee.ktu.lt	5
6	The Frequency Converter Output Voltage Control with Motor Current Minimum Tracing A Baskys, V Bleizgys, A Platakis, T Lipinskis, ... - Электроника и ... - zakon.znatic.ru	1
Total:		26
8)	Pulse Width Modulation Command Systems Used for the Optimization of Three Phase Inverters Ursaru O., Aghion C., Lucahu M., Tigaeru L., Advanced in Electrical and Computer Engineering Jurnal - Suceava, Romania - vol. 9 - No. 1/2009 - p. 22-27. Accession Number: WOS:000264815300004	
1	Unconventional Motors Based on Vibration Motion, INTERNATIONAL REVIEW OF ELECTRICAL ENGINEERING-IR EE Volume: 7 Issue: 5 Pages: 5542-5548 Part: A Published: SEP-OCT 2012	5
2	The Study of the Deforming Regime of AC/AC Converter using Fourier and Multiresolution Analysis. By: Rata, G.; Popa, V.; Rata, M. ELEKTRONIKA IR ELEKTROTECHNIKA Issue: 5 Pages: 7-12 Published: 2012	5
3	Experimental study and comparative analysis of transients of induction motor with soft starter startup, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 10 Issue: 3 Pages: 27-33 Published: 2010	5
4	Theoretical and experimental aspects concerning Fourier and wavelet analysis for deforming consumers in power network G Rață, M Rață, C Flore, C Strugaru - Electronics and Electrical ... 2010 - researchgate.net	5
5	CURRENT CONTROL OF A VSI-FED INDUCTION MACHINE BY PREDICTIVE TECHNIQUE. S Ivanov, V Răsvan, E Bobașu, D Popescu, F Stîngă - ses-europe.net	1
6	SYNTHESIS OF DIGITAL SYSTEMS USING DECOMPOSITION ALGORITHMS Mihai Timiș, Alexandru Valachi, Brasov, 26-28 Mai 2016, AFASES 2016.	1
7	An Improved Hybrid Space Vector PWM Technique for IM Drives P Muthukumar, PM Mary, S Jeevananthan - Circuits and Systems, 2016 - file.scirp.org	3
8	Predictive versus Classic Control of the Induction Motor Drives S Ivanov, V Răsvan, E Bobașu, D Popescu, F Stîngă... - elth.ucv.ro	3
Total:		28
9)	SINGLE PHASE AC CHOPPERS WITH INDUCTIVE LOAD AND IMPROVED EFFICIENCY M. Lucanu, O. Ursaru, C. Aghion, International Symposium on ISSCS05, vol II pp. 597-600. IASI Accession Number: WOS:000231532900150	
1	Artificial neural network Controlled energy saver for Induction motor drive V Januina - 2014 - shodhganga.inflibnet.ac.in	2
3	Investigation of the AC/AC Buck-Boost Converter I Rankis, M Prieditis - Rigas Tehniskas Universitates ... 2017 - search.proquest.com	2
4	Properties of the AC/AC Buck-boost converter I Rankis, M Prieditis - ... on Power and Electrical Engineering of ..., 2017 - ieeeexplore.ieee.org	5
5	Investigation of the AC/AC Buck-Boost Converter I Rankis, M Prieditis - Rigas Tehniskas Universitates ... 2017 - search.proquest.com	2
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10) SINGLE PHASE AC CHOPPER WITH IGBT'S		

M Lucanu, O Ursaru, C. Aghion, International Symposium on ISSCS03, vol 1, pp. 213-217, IASI. Accession Number: WOS:000186628100055		
1	Neural network based PWM AC chopper fed induction motor drive, J Venkatesan, RR Sathi - Serbian Journal of Electrical Engineering, 2009 - doi:serbia.nbrs	3
2	Power converter topologies with reduced component count for automotive AC auxiliary power, DO Neacsu - Signals, Circuits and Systems (ISSCS), 2013 ... , 2013 - ieeexplore.ieee.org	2
3	Performance analysis of phase controlled unidirectional and bidirectional ac voltage controllers, A Larik, MA Mahar, AR Shaikh - Mehran University Res., 2011 - publications.muuet.edu.pk	1
4	Artificial Neural Network based Speed Control of Bidirectional Chopper fed Induction Motor Drive using DFRF Theory, V Jamuna, RS Rama - pcc.polyu.edu.hk	3
5	Fault-tolerant isolated converter in low-voltage technology for automotive AC auxiliary power DO Neacsu - Industrial Electronics Society, IECON 2013-39th ... 2013 - ieeexplore.ieee.org	2
6	[PDE] Performance analysis of phase controlled unidirectional and bidirectional ac voltage controllers A Larik, MA Mahar, AR Shaikh - Mehran University Res ... , 2011 - publications.muuet.edu.pk	1
Total:		12
11) CONTROL WITH MICROCONTROLLER FOR PWM SINGLE-PHASE INVERTER		
L. Dimitriu, M. Lucanu, C. Aghion, O. Ursaru, International Symposium on ISSCS03, vol 1, pp. 265-269, IASI Accession Number: WOS:000186628100068		
1	Microcontroller based power inverter for grid connected PV system MM Islam, MM Rana, AF Mitul ... - Green and ... 2012 - ieeexplore.ieee.org	2
2	A New Approach to Power Inverter for Better Voltage Regulation and Low Harmonic Distortion MM Islam, M Ahmad, AF Mitul, MA Rashid	1
3	PV Array Fed SEPIC and VSI Based Power Conversion System for Single Phase Induction Motor Drive P Sivaraman, A Nirmalkumar - International Journal of Modern Engineering, www.ijmer.com Vol.2, Issue.3, May-June 2012 pp-1181-1188 ISSN: 2249-6645	5
4	A Review on Modulation Strategies of Multi Level Inverter GR Balamurugan, SP Natarajan, R Bensrai ... - Indonesian Journal of ... 2016 - iaescore.com	3
5	A Novel Integrated Structure for Three Phase Digital SPWM Waveform Generator with VVVF Control R Nasrollahi, A Hassanzadeh ... - Journal of Electrical and ... 2017 - search.proquest.com	1
7	An improved switching strategy for single phase SPWM inverter to reduce power loss and total harmonic distortion MZ Alishan, RB Ali, M Ohman ... - Applied Mechanics ... 2015 - Trans Tech Publ	3
8	Smart meter based on time series modify and constructive backpropagation neural network MF Adiatnoko, A Soeprianto, M Syahin ... - 2017 4th ... 2017 - ieeexplore.ieee.org	2
9	Smart meter based on time series modify and extreme learning machine SR Atrachman, MF Adiatnoko ... - ... , optics, micro electro ... 2017 - ieeexplore.ieee.org	2
Total:		19
12) A hybrid PID-Fuzzy controller for dc/dc converters		
Djordjevic A., Ursaru O., Lucanu M., L. Tigăeru International Symposium on SCS 2003, vol 1, pp 97-101,IASI, Inspec. Accession Number: WOS:000186628100026		
1	On the modelling of DC-DC converters: An enhanced approach K Guesmi, A Hamzaoui - International Journal of Numerical ... 2011 - Wiley Online Library,Accession Number: WOS:0002886292400004	5
2	A Hyperbolic Tangent Adaptive PID plus LQR Control Applied to a Step-Down Converter Using Poles Placement Design Implemented in FPGA	5

	MD Pedroso, CB Nascimento, AM Tusset... - Mathematical Problems ... 2013 - hindawi.com Accession Number: WOS:000327609200001		
3	FUZZY CONTROLLER SYNTHESIS FOR A DC-DC CONVERTER K Guesmi, A Hamzaoui... - Decision and Control, 2009 ... 2009 - ieeexplore.ieee.org Accession Number: WOS:000336893603100	5	
4	Control of nonlinear phenomena in DC-DC converters: Fuzzy logic approach K Guesmi, A Hamzaoui... - International Journal of ... 2008 - Wiley Online Library	0	
5	Systematic design approach of fuzzy PID stabilizer for DC-DC converters K Guesmi, N Essoumbouli, A Hamzaoui - Energy Conversion and ... 2008 - Elsevier	0	
6	Shifting nonlinear phenomena in a dc-dc converter using a fuzzy logic controller K Guesmi, N Essoumbouli, A Hamzaoui... - ... and computers in ... 2008 - Elsevier	0	
7	高性能模糊 PID 控制 DC/DC 变换器, 辛爱芹, 邹宇 - 电力电子技术, 2007 - cqvip.com/High Performance control PID Fuzzy DC / DC Wang Ping, Xinai Qin, Zou Yu - Power Electronics Technology, 2007 - cqvip.com	0	
8	Design of a soft switching bidirectional DC-DC power converter for ultracapacitor-battery interfaces Zw Wu, ZL Zhang, CL Yin, Z Zhao - International Journal of Automotive ... 2012 - Springer	5	
9	移相全桥变换器的模糊 PID 预测控制, 王萍 - 计算机仿真, 2007 - cqvip.com/Mutat-fază convertor full-punte neclare de control PID predictie Xu Huijun, Wang Ping - Computer Simulare, 2007 - cqvip.com	0	
10	燃料电池用大压比 DC/DC 器双闭环控制, 郝世强, 黄亮 - 电机与控制学报, 2011 - emc.hrubst.edu.cn/Celula de combustibili cu un raport mare step-up DC / DC buclă de dual care de control mare, Haoshi Jiang, Huang Liang - Motor și control, 2011 - emc.hrubst.edu.cn	1	
11	基于模糊调功的感应加热电源研究, 肖进 - 金属热处理, 2008 - cqvip.com/De alimentare cu energie termica inductie pe baza de reglare a puterii neclare beneficiaza Jing, Xiao Jin - Metal treatment termic, 2008 - cqvip.com	0	
12	GC15 轴承钢加热温度与氧化物的溶解扩散, 韩静涛, 席军良, 赵杰 - 金属热处理, 2008 - cqvip.com/Se dizolvă GC15 poartă temperatura de difuzie de otel și de încălzire carbură de Liu Jing, Jingtao, Xi Liang Jun, Zhao Jie - Metal treatment termic, 2008 - cqvip.com	0	
13	基于新型模糊 PID 控制的 DC-DC 变换器仿真研究, 刘跃, 张仁红 - 现代机械, 2012 - cqvip.com/Bazat pe nou control fuzzy PID DC-DC studiu de simulare Convertor Kuangjing Guo, Liu Yue, Ren Hong - utilaje moderne, 2012 - cqvip.com	1	
14	Improvement of Buck Converter Performance Using Artificial Bee Colony Optimized-PID Controller Y Sommez, O Ayyildiz, HT Kahraman, U Guvenc... - Journal of Automation ... 2015 - joace.org	1	
15	CONTRIBUTION A LA COMMANDE ADAPTATIVE ROBUSTE PAR MODES GLISSANTS A EL HAJJAJI - 2009 - researchgate.net	1	
16	Design of EIBW Stabilized High-Voltage Source Based on Fuzzy PID Control		
17	H. Shaqia, M. Jinhai, W. Shouqi... - ... Conference, 2007, CCC ... 2007 - ieeexplore.ieee.org Elaboration d'un contrôleur Robuste Adaptatif Flou pour une Classe de Systèmes Non Linéaires Incertains	0	
18	B Boutamina - 2010 - umc.edu.dz	0	
19	A solution for study of PID controllers using CRFO system G Rata, M Rata - ... Topics in Electrical Engineering (ATEE), 2015 ... 2015 - ieeexplore.ieee.org A Fuzzy Adaptive Controller for Induction Heating Power Supply Z Gang, W Chao, G Yunwang... - Intelligent Systems (GCIS), ... 2012 - ieeexplore.ieee.org	2	
Total:			28
13)	New analog mode membership function circuit Tigăeru L., Alexa D., Ursaru O. International Symposium on SCS 2003, vol. II, pp 601-605, IASI, Imspec Accession Number: WOS:00018628100152		
1	A novel programmable CMOS fuzzifiers using voltage-to-current converter circuit KP Abdulla, MF Azeem - Advances in Fuzzy Systems, 2012 - dl.acm.org	5	

2	High Performance Fuzzy Systems for Real World Problems O Castillo, A Basturk - downloads.hindawi.com	5
Total:		10
14)	ELECTRONICA DE PUTEREI, Lucanu M., Galea C., Ursaru O., Lucanu N., Editura ICEP Bucuresti, 2001, ISBN 973-8067-38-3, Cod CNCISIS 48, pp. 178.	
1	PI-C with Inductor Current Hysteretic Control and Voltage Fuzzy Controller for the Output Voltage Meruța, Bogdan Stefan; Lucanu, Mihai; Chișer, Rodica; et al Conference: International Symposium on Signals, Circuits and Systems Location: Iasi, ROMANIA Date: JUL 12-13, 2007 Sponsor:ISSCS 2007: International Symposium on Signals, Circuits and Systems, Vols 1 and 2, Pages: 617-620 Published: 2007 Accession Number: WOS:000250471700157	0
Total:		0
15)	Single-phase direct AC-AC step-down converter M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu IET Power Electronics, Volume 7, Issue 12, December 2014, p. 3101 – 3109, DOI: 10.1049/iet-pel.2013.0730, Accession Number: WOS:000346253000022	
1	Input-series-output-parallel connected modular high frequency isolated AC-AC converters with positive compensation of inner-current loop By: Xu, Guo; Sha, Deshang; Liao, Xiaozhong IET POWER ELECTRONICS Volume: 9 Issue: 9 Pages: 1784-1791 Published: JUL 27 2016	5
Total:		5
16)	Implementation of the IFTVM-DPWM-M-S2 technique on a microcontroller C. Aghion, M. Lucanu, O. Ursaru, D. Matasaru International Symposium on Signals, Circuits and Systems – ISSCS 2013, Iasi, Romania, July 11, 12 2013. Accession Number: WOS:000337926700008	
1	AN OVERVIEW OF THE SOLUTIONS FOR THE IMPLEMENTATION OF ASYNCHRONOUS DIGITAL SYSTEMS Grigore Mihai TIMIS*, Alexandru VALACHI, THE ANNAALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, FASCICLE III, 2016, VOL. 39, NO. 1, ISSN 2344-4738	1.00
Total:		1
17)	Single-Phase Direct AC-AC Boost Converter By: Lucanu, Mihai; Ursaru, Ovidiu; Aghion, Cristian; et al. ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 14 Issue: 3 Pages: 107-112 Published: 2014	
1	Boost converter with Active Snubber Network By: Himmelstoss, Felix A.; Derin, Ali Riza; Cernat, Mihai ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 17 Issue: 1 Pages: 55-60 Published: 2017	5
2	The Study of Harmonics from Dimmable LED Lamps, using CompactRIO By: Rata, Gabriela; Rata, Mihai Book Group Author(s): IEEE Conference: 13th International Conference on Development and Application Systems (DAS) Location: Suceava, ROMANIA Date: MAY 19-21, 2016 Sponsor(s): Stefan cel Mare Univ Suceava, Fac Elect Engn & Comp Sci Romania; IEEE Ind Applicat Soc, Romania Sect 2016 13TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS)	2.00
3	PI Controlled Active Front End Super-Lift Converter with Ripple Free DC Link for Three Phase Induction Motor Drives By: Elangovan, P.; Mohanty, Nalin Kant JOURNAL OF POWER ELECTRONICS Volume: 16 Issue: 1 Pages: 190-204 Published: JAN 2016	5
Total:		12

18) Three Phase AC Chopper with IGBT's,

O Ursaru, M Lucanu, C Aghion, L Tigretu - dasconference.ro

Jurnal, 7 International Conference on Development and Application Systems, Suceava, Romania, May 27-29, (2004)

1	A novel switching scheme for Three phase PWM AC Chopper fed induction motor J Thankachan, S George - Power Electronics (IICPE), 2012 ...; 2012 - ieeeexplore.ieee.org	2.00
Total:		2
19) APLICATII PRACTICE ALE MICROCONTROLELOR, Cristian Aghion, Ovidiu Ursaru, ISBN: 978-606-520-538-3, pp. 124, Editura PIM, Cod CNCISIS 66/01.05.2006, 2009, Iasi.		
1	Managing Serial EEPROM Memory through I2C with ATME1 Family Microcontroller. Duma P., Buletinul Institutului Politehnic din Iasi, Vol. 62 (66), Nr. 2, 2016, Sectia Electrotehnică, Energetică, Electronică.	3
2	Management of an Interface Using a Microcontroller for Receiving Caller Identification Delivery Messages (I). Duma P., Buletinul Institutului Politehnic din Iasi, Tom LXI (LXV), Fasc. 1, 2015, Sectia Electrotehnică, Energetică, Electronică.	3
3	Barcode Reader Management with the ATME1 Microcontroller (I). P.Duma, Buletinul Institutului Politehnic Iasi, Vol. 63 (67), Nr. 1, Sectia Electrotehnică, Energetică, Electronică, 2017, pp.63-73.	3
5	Managing Dynamic Random Access Memory Banks Using an ATME1 Microcontroller, P.Duma, Buletinul Institutului Politehnic Iasi, Vol. 64(68), Nr.1, Sectia Electrotehnică, Energetică, Electronică, 2018, pp.95-109.	3x2
Total:		15
20) INFORMATICĂ APLICATĂ - introducerea în microcontrolere, Cristian Aghion, Ovidiu Ursaru, ISBN: 978-606-13-2636-5, pp. 131, Editura PIM, Cod CNCISIS 66/2010, 2015, Iasi.		
1	Managing Dynamic Random Access Memory Banks Using an ATME1 Microcontroller. P.Duma, Buletinul Institutului Politehnic Iasi, Vol. 64(68), Nr.1, Sectia Electrotehnică, Energetică, Electronică, 2018, pp.95-109.	3x2
2	Managing the Interface for Receiving Caller Identification Delivery Messages Using a Microcontroller (II). P.Duma, E.Petac, Buletinul Institutului Politehnic Iasi, Vol. 63 (67), Nr. 2, Sectia Electrotehnică, Energetică, Electronică, 2017, pp.39-50.	3x2
Total:		12
TOTAL 2.9		260

3 Recunoaştere naţională şi internaţională

3.4 Membru în societăţi ştiinţifice şi profesionale (AGIR, asociaţiile absolvenţilor etc.) (5x nr. realizari nationale, 10x nr. realizari internationale)

1	Membru IEEE din anul 2012, Member number: 92188302	Punctaj 10x5=50
2	Membru AGIR din anul 2016 http://www.iasi.agir.ro/membri.php	5x4=20

TOTAL 3.4

70

3.5 Membru în comisia de doctorat[1x nr.realizari]

Nr.crt.	Conducator doctorat -Numele doctorandului		Punctaj
1	Raport de cercetare I	Conf. dr. ing. D.O.Neacsu—Doctorand ing. O. Filip 2016	
2	Examen doctorat (disciplina SAC MASTER SAEA)	Conf. dr. ing. D.O.Neacsu—Doctorand ing. D.Burlicu 2016	1
3	Examen doctorat (disciplina SAC MASTER SAEA)	Conf. dr. ing. D.O.Neacsu—Doctorand ing. Shami Mutia 2016	1
TOTAL 3.5			3

3.8 Membru în echipe de expertizare / evaluare a cercetării științifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.) (5xnr. actiuni)

Nr.crt.		Punctaj
1	Evaluator(decizia nr.2014/19.02.2016), 2019, Grand TUIASI-GI-2018-0122, name of the project: "Circuitemodeme de iluminat cu OLED folosite în automotive (CMIA-OLED)"; implementation 2018-2019-Director C.Aghion	5
2	Evaluator(decizia nr.2014/19.02.2016), 2019, Grand TUIASI, implementation 2018-2019-Director N. Cleju	5
3		
TOTAL 3.8		10

3.11 Organizarea de manifestări științifice naționale/internationale/sesiuni invitate[S]

Nr.crt.	Denumire manifestare științifică	Punctaj
3.11.a Organizator(10X nr. manifestari)		
1	Concursului de creativitate „ȘTEFAN PROCOPIU”, ediția a XXII-a, perioada 25-26 martie 2019	10
2	Concursul National „Circuite Electronice și aplicații - Laurentiu Turic” 04.04.2019	10
3	Concursul National PCB - Proiectare, Testare și Verificare 04.04.2019	10
3.11.b Membru în comitetul de organizare(5X nr. manifestari)		
1	Concursului de creativitate „ȘTEFAN PROCOPIU”, ediția a XXI-a, perioada 25-26 martie 2016 ETAPA JUDEȚEANĂ	5
2	Concursului de creativitate „ȘTEFAN PROCOPIU”, ediția a XX-a, perioada 25-26 martie 2017 (sesiunea I), ETAPA JUDEȚEANĂ	5
3	Concursului de creativitate „ȘTEFAN PROCOPIU”, ediția a XX-a, perioada 27-28 mai 2017, ETAPA INTERJUDEȚEANĂ	5
4	Concursului de creativitate „ȘTEFAN PROCOPIU”, ediția a XX-a, perioada 26-27 martie 2016 (sesiunea I), ETAPA JUDEȚEANĂ	5
5	Concursului de creativitate „ȘTEFAN PROCOPIU”, ediția a XX-a, perioada 28-29 martie 2015 (sesiunea I), ETAPA JUDEȚEANĂ	5
6	Concursului de creativitate „ȘTEFAN PROCOPIU”, ediția a XX-a, perioada 26-27 martie 2014 (sesiunea I), ETAPA JUDEȚEANĂ	5
TOTAL.11		60

3.12. Referent științific / expert național și internațional (pentru reviste, congrese etc.)

Nr.crt.		Punctaj
Conferința ISI(5x nr. referate)		
1	Referent științific 1 articol din cadrul : ISSCS 2019	5
2	Referent științific la 2 articole din cadrul : „International Symposium on Electronics and Telecommunications” Trnava 2018	10
TOTAL 3.12		15

3.13 Membru in comisiile de concurs pentru posturi didactice universitare[5xnr comisii, 3xnr, comisii]

Nr.crt.		Candidat concurs	Punctaj
3.13.b Membru in comisiile de concurs de lector si asistent(3xnr comisii)			
1	Comisie concurs Șef Lucrări, 2016	Asist. dr. ing. C.Barabasa	3
2	Comisie concurs asistent-2017	Dr.ing. C. Andriesei	3
3	Comisie concurs asistent-2017	Dr.ing. R. Amărăuței	3
4	Comisie concurs șef lucrari- feb. 2019	Asist.Dr.ing. C. Andriesei	3
5	Comisie concurs șef lucrari- feb. 2019	Asist.Dr.ing. R. Amărăuței	3
6	Comisie concurs șef lucrari- feb. 2019	Asist.Dr.ing. M. Hagan	3
TOTAL 3.13			18

3.18 Premii

Nr.crt.		Premiu	Punctaj
3.18 Premii nationale MEN. CNCSS(40 puncte)			
Nr.crt.	COD	PREMIEREA REZULTATELOR CERCETARII - ARTICOLE REZULTATE EVALUARE_LISTA (poz.180)	
1	0 PN-II-RU-PRECISI- 2015-9-10275	Single-phase direct AC-AC step-down converter/IET POWER ELECTRON http://ieeefscdf.gov.ro/userfiles/file/PREMIERE_ARTICOLE/ARTICOLE%202015/REZULTATE/Rezultate%20distributie_iistab%205%20_08_12_2015.pdf	40 ?
Alte premii(20)			
1	Premiul Special pnatru inventia Meoda si dispozitiv de control al unui display cu OLED-ori, 9-11 Noiembrie 2018, Asociatia Romana pentru Tehnologii Neconventionale, Chisinau, Targul International Invent-Invest 2018.		
2	Medalia Targului International de Inventie si Idei Practice pentru inventia Sistem electronic utilizat in managementul traficului de energie regenerabila, autori Ursaru Ovidiu si Aghion Cristian, 9-11 Noiembrie 2018, Chisinau, Targul International Invent-Invest 2018.		
3	Medalia de aur pentru inventia Meoda si dispozitiv de control al unui display cu OLED-ori, 9-11 Noiembrie 2018, Chisinau, Targul International Invent-Invest 2018.		
			20

Cuprins

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TOTAL 3.18	100
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4. ACTIVITATEA CU STUDENȚII

4.1 Conducere cercuri științifice studentești(3xnr.lucr/indrumari)

(calfe activități cu studenții)

Nr.crt.	Denumire/perioada	Punctaj
1	Student Exchange-12-16 nov.2018	3
2	Electrostep 11 feb.2019	3
3	Student Exchange-2-5 aprilie.2019	3
4	ZSE-1-7 aprilie 2019	3
5	Be a Pioneer-Veonner ed.II, 18feb-8mai 2018	3
6	ETCfest10-20.oct.2018	3
7	Tresure Hunt 10 nov.2018	3
TOTAL 4.3		21

4.3 Conducerea lucrărilor de absolvire finalizare:licență, disertație, doctorat[3xn_s, 5xn_m, 15xn_d] anul curent.

Nr.crt.	Nume student/masterand	Punctaj
1	2014- Studenti finalizare licenta : Bratu C., Huma M., Mustata S., Tanasa G., Loghin S., Raileanu M., Radu D.	3x7=21
2	2014- Studenti finalizarea master : Partac D., Sapunaru A., Bumbescu F., Moldovan B.	5X4=20
3	2015- Studenti finalizare licenta : Padurararu R., Donosa C. Carolut B., Pavalascu M., Vasiliu G., Mosneagu R., Diaconu D.	3X7=21
4	2015- Studenti finalizarea master: Cazacu S., Zderciuc A., Sapunaru V., Ifrim A.Maria, Rotundu A.	5X4=20
5	2016- Studenti finalizare licenta : Ursu M., Filibiu O., Ifrim L. A.,, Buculei R., Ghiba C., Creanga D., Damian A.	3X4=12
6	2016- Studenti finalizarea master: Hugianu P	5
7	2017- Studenti finalizare licenta:Ohteanu Grigorut R., Irimia I.D., Avadanei A.D., Marcu Ancuta	3x4=12
8	2018- Studenti finalizare licenta: Postolache C., Huma i. Manolachi A., Alupei I., Apetri S., Patu A.	3x6=18
9	2019- Studenti finalizarea master: Crisan A., Florea T., Filibiu O.	5X3=15
TOTAL 4.3		156 153

4.4 Indrumare an de studii[5x nr. ani de studii indrumați]

Nr.crt.		Punctaj
1	Indrumator de an IV, EA, 2014, 2015,2016; Indrumator de an III, 2017, 2018	5X5=25

TOTAL 4.4

25

4.5 Organizarea de excursii de studii, prezentarea ofertei educaționale a universității in licee[5x nr. actiuni]

Nr.crt.		Punctaj
1	2015 Participarea la promovarea facultatii- Caravana: Vaslui	
	2016 Participarea la promovarea facultatii- Caravana: Piatra Neamt, Biczaz si Saboani	5
	2017 Participarea la promovarea facultatii- Caravana: Iasi, liceul M.Eminescu	5
	2018 Participarea la promovarea universitatii/facultatii –februarie 2018 Chisinau	5
	2018 Participarea la promovarea universitatii/facultatii – 22 octombrie 2018 Tg. Neamt	5
	2018 Organizare caravana ETTI de promovare in liceele in Regiunea Nord Est 19-25 nov.	5
	2019 Organizare caravana ETTI /Universitare de promovare in liceele in regiunea Sud –Est-aprilie.	5
	2019 Participarea la promovarea universitatii/facultatii –martie 2019 Chisinau	5
	2019 Participarea la promovarea universitatii/facultatii –emisune 17 august BZI	5
TOTAL 4.5		45

5 Activitate în comunitatea academică

5.1. Participare la mese rotunde, debateri organizate la nivelul facultății/ universității etc.

Nr.crt.		Punctaj
5.1.1. Activitati de promovare a imaginii facultatii(vizite la firme/prezentari programe licenta/master – acorduri de colaborare/parteneriate semnate in anul univ.2018-2019)-Parteneriate/minuta intalniri http://lep.etc.tuiasi.ro/doc/acord_firme.zip		
1	Preh Romania SRL(intalnire/minuta)	
2	Delphi (intalnire/minuta/acord semnat)	2x2=4
3	Concord Service Center (intalnire/minuta/acord semnat)	2x3=6
4	Techno Fusion (intalnire/minuta/acord semnat)	2x3=6
5	Electro Alpha (intalnire/minuta)	2x3=6
6	Imnova Motion Sensors (intalnire/minuta/acord semnat)	2x2=4
7	AGN Motors(intalnire/minuta/acord semnat)	2x3=6
8	Apolo DEVERA (intalnire/minuta/acord semnat)	2x3=6
9	Holdmann Tech (intalnire/minuta/acord semnat)	2x3=6
		2x2=4

10	Veoneer(intalnire/minuta/acord semnat)	2x3=6
11	ROMautomatic Iasi(intalnire/minuta/acord semnat)	2x3=6
12	TVR. Iasi(intalnire/minuta/acord semnat)	2x3=6
13	Expleo(intalnire/minuta/acord semnat)	2x2=4
14	Flow Meter(intalnire/minuta/acord semnat)	2x3=6
15	CNUJ(intalnire/minuta/acord semnat)	2x2=4
16	2018 Targul international de cariere in inginerie din Iasi 5 nov..aprilie 2018	2x2=4
17	2019 Ziua portilor deschise. 13-17 mai 2019	2
18	Vizita Delphi 27 feb. 2019	2
19	17 mai concurs Konteschweller 2019	2
20	17 mai, 3 aprilie Intalnire Silicon Service	4
Total 5.1.1		96

5.2 Activitate la nivel de (se punctează apartenența la comisii)

Nr.crt.		Punctaj
5.2.a. departament(Consiliu departament, comisie practică, finalizare studii, etc., 3xnr. comisii)		
1	Consiliu departament EASI- membru din 2009	3x5=15
	Presedinte comisie organizare practica -2019	5
2	Comisia elaborare subiecte licență italie - disciplina EI	3x5=15
3	Comisia elaborare subiecte licență septembrie- disciplina EI	3x5=15
4	Comisia elaborare subiecte licență februarie- disciplina EI	3x5=15
5	Presedinte comisie disertație SAEA, iunie -din 2017	3x3=9
6	Presedinte comisie disertație SAEA, septembrie-din 2017	3x3=9
7	Presedinte comisie disertație SAEA, februarie-din 2017	3x3=9
5.2.b. facultate(Consiliu facultate, comisie promovare facultate, orar, coordonare programe internationale, etc., 5xnr. comisii)		
1	Consiliu facultate 2016-2019 -membru	5x4=20
2	Presedinte de Comisie pentru acordare tabere nationale 2019	5
3	Presedinte de Comisie pentru acordare tabere internationale 2019	5
4	Presedinte de Comisie pentru cazarea studentilor 2019	5
5	Presedinte de Comisia Inventar facultate 2018, 2019	5x2=10
6	Presedinte de Comisia SSM facultate 2018, 2019	5x2=10
7	Membru consiliu departament EASI, Locuitor director departament 2016-2019	5x4=20
8	Membru comisie didactica ETTI, 2016-2018	5x3=15
9	Coordonator promovare facultate ETTI 2018-2019	5x2=10
10	Comisia de admitere licenta si master	5x5=25

11	Elaborare materiale acreditate licenta si master 2019	5x2=10
TOTAL A5.2		262

5.3 Coordonare programe de studii licență, master, postuniversitare de formare continuă[5x nr. programe]

Nr.crt.		Punctaj
1	Coordonator program de studiu ,master, SAEA,din 2017	5x3=15
TOTAL 5.3		15

6 Evaluarea de către Directorul de Departament(0-50puncte)

Nr.crt.		Punctaj
1	Conform fisa centralizator 2014-2019	5x50
TOTAL A6		250

FIȘA DE VERIFICARE
a îndeplinirii standardelor minime naționale Conf. dr. ing. URSARU OVIDIU-2019

Nr. crt.	Domeniul de activitate	Conferențiar	Conferențiar
		Standarde minime impuse	Standarde realizate de candidat
A1	Activitatea didactică/ profesională (A1)	50	120
A2	Activitatea de cercetare (A2)	300	435,99
A3	Recunoașterea impactului activității (A3)	50	227,63
TOTAL (A)		400	783,67

Condiții minime obligatorii pe subcategorii	Conferențiar	Conferențiar
	Standarde minime impuse	Standarde realizate
A1.1.1 - A1.1.2 Cărți și capitole în cărți de specialitate	1 cărți/ capitole	4 cărți
A1.2.1- A1.2.2 Material didactic/ Lucrări didactice	1	4 îndrumare laborator
A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	6	22
		12 articole in reviste indexate ISI, cu factor de impact 10 articole in volumele unor manifestari științifice indexate ISI proceedings



A2.4.1	Granturi/proiecte câștigate prin competiție (Director/ responsabil)	1	1
A3.1.1 - A3.1.2	Număr de citări în cărți, reviste și volume ale unor manifestări științifice ISI sau BDI Factor de impact cumulat pentru publicații	10 4	171.68 14.36

A1. ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ

A1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute

Nr.crt.	Titlul lucrării		Punctaj
A1.1.1 Edituri internaționale			
1.			
A1.1.2 Edituri naționale			
1.	<u>INFORMATICA APLICATĂ - introducere în microcontrolere</u> , Cristian Aghion, Ovidiu Ursaru , ISBN: 978-606-13-2636-5, pp. 131, Editura PIM, Cod CNCIS 66/2010, 2015, Iași.		20
2.	<u>APLICATIILE ÎN ELECTRONICA DE PUTERE</u> , Ovidiu Ursaru , Cristian Aghion, Mihai Lucanu, ISBN: 978-606-520-727-1, pp. 139, Cod CNCIS 66/01.05.2006, Editura PIM, 2010, Iași.		20
3.	<u>APLICAȚII PRACTICE ALE MICROCONTROLERELOR</u> , Cristian Aghion, Ovidiu Ursaru , ISBN: 978-606-520-538-3, pp. 124, Editura PIM, Cod CNCIS 66/01.05.2006, 2009, Iași.		20
4.	<u>ELECTRONICA DE PUTERE 1</u> , Lucanu M., Galesa C., Ursaru O. , Lucanu N., Editura ICPE Bucuresti, 2001, ISBN 973-8067-38-3, Cod CNCIS 48, pp. 178.		20
TOTAL A1.1			80

A1.2. Material didactic / Lucrări didactice

Nr.crt.	Titlul lucrării		Punctaj
1.	<u>MODELAREA ȘI SIMULAREA CONVERTOARELOR ELECTRONICE DE PUTERE-1</u> , Îndrumar de laborator, Ovidiu Ursaru , Cristian Aghion, ISBN: 978-606-13-2617-4, pp. 130, Editura PIM, Cod CNCIS 66/2010, 2015, Iași.		10
2.	<u>MODELAREA ȘI SIMULAREA CONVERTOARELOR ELECTRONICE DE PUTERE-2</u> , Îndrumar de laborator, Ovidiu Ursaru , Cristian Aghion, ISBN: 978-606-13-2618-1, pp. 154, Editura PIM, Cod CNCIS 66/2010, 2015, Iași.		10
3.	<u>ANALIZA CONVERTOARELOR ELECTRONICE PRIN SIMULARE</u> , Îndrumar de laborator, Ovidiu Ursaru , Cristian Aghion, ISBN: 978-606-13-2644-0, CD, Editura PIM, 2015, Iași.		10
4.	<u>APLICAȚII CU MICROCONTROLERE</u> , Îndrumar de laborator, Cristian Aghion, Ovidiu Ursaru , ISBN: 978-606-13-2666-2, CD, Editura PIM, 2015, Iași.		10
TOTAL A1.2			40

A2. ACTIVITATEA DE CERCETARE

A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI Proceedings [(25+20 * factor impact) /nr. de autori]
 [pentru volumele manifestărilor ISI se consideră factorul de impact echivalent 0.25]

Nr.crt.	Titlul articolului	Factor de impact	Nr. autori	Punctaj
1	<u>Efficient high frequency single-phase AC chopper</u> M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu Revue roumaine des sciences techniques, Série Electrotechnique et Énergétique, vol.64, 2019, p.69-74, WOS:000464302300012 <u>Single-Phase Direct Boost AC-AC Converter</u> O. Ursaru, M. Lucanu, C. Aghion, N. Lucanu Advanced in Electrical and Computer Engineering Journal - Suceava, Romania - vol. 17 - No. 4/2017 - P. 43-48, DOI: 10.4316/AECE.2017.04006. <u>Single-Phase Boost AC-A.C. Converter</u> Cristian Aghion, Mihai Lucanu, Ovidiu Ursaru, Maris Hagan International Symposium for Design and Technology in Electronic Packaging - SITIME, 24 edition, 25-28 October 2018, Iasi, Romania, pp.50-51. <u>Increased-efficiency single-phase direct boost AC-A.C. converter</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu International Symposium on Signals Circuits and Systems - ISSCS 2017, Iasi, Romania, July 13, 14 2017. Accession Number: DOI:10.1109/ISSCS.2017.8034917. <u>Single-phase direct AC-AC step-down converter</u> M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu IET Power Electronics, Volume 7, Issue 12, December 2014, p. 3101 – 3109, DOI: 10.1049/iet-pel.2013.0730, Accession Number: WOS:000346253000022 <u>Single-Phase Direct AC-AC Boost Converter</u> M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu Advanced in Electrical and Computer Engineering Journal - Suceava, Romania - vol. 14 - No. 3/2014 - P. 107-112, DOI: 10.4316/AECE.2014.03014, Accession Number: WOS:000340869800014	0.763	4	10.06
2	<u>Single-Phase Boost AC-A.C. Converter</u> Cristian Aghion, Mihai Lucanu, Ovidiu Ursaru, Maris Hagan International Symposium for Design and Technology in Electronic Packaging - SITIME, 24 edition, 25-28 October 2018, Iasi, Romania, pp.50-51. <u>Increased-efficiency single-phase direct boost AC-A.C. converter</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu International Symposium on Signals Circuits and Systems - ISSCS 2017, Iasi, Romania, July 13, 14 2017. Accession Number: DOI:10.1109/ISSCS.2017.8034917. <u>Single-phase direct AC-AC step-down converter</u> M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu IET Power Electronics, Volume 7, Issue 12, December 2014, p. 3101 – 3109, DOI: 10.1049/iet-pel.2013.0730, Accession Number: WOS:000346253000022 <u>Single-Phase Direct AC-AC Boost Converter</u> M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu Advanced in Electrical and Computer Engineering Journal - Suceava, Romania - vol. 14 - No. 3/2014 - P. 107-112, DOI: 10.4316/AECE.2014.03014, Accession Number: WOS:000340869800014	0.529	4	10.21
3	<u>Direct AC-AC Step-Down Single-Phase Converter with Improved Performances</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18) pp. 33-36, Accession Number: WOS:000313297600008 <u>Three-phase inverter controlled by ISCPWM and DPWM-SI</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012, No. 3(119) pp. 87-90, Accession Number: WOS:000302336200019 <u>Motor Control using Discontinuous Signals</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2011 - no. 2 (108) - pp. 15-18, Accession Number: WOS:000288051500004	0.25	4	7.5
4	<u>Direct AC-AC Step-Down Single-Phase Converter with Improved Performances</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18) pp. 33-36, Accession Number: WOS:000313297600008 <u>Three-phase inverter controlled by ISCPWM and DPWM-SI</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012, No. 3(119) pp. 87-90, Accession Number: WOS:000302336200019 <u>Motor Control using Discontinuous Signals</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2011 - no. 2 (108) - pp. 15-18, Accession Number: WOS:000288051500004	0.25	4	8.13
5	<u>Direct AC-AC Step-Down Single-Phase Converter with Improved Performances</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18) pp. 33-36, Accession Number: WOS:000313297600008 <u>Three-phase inverter controlled by ISCPWM and DPWM-SI</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012, No. 3(119) pp. 87-90, Accession Number: WOS:000302336200019 <u>Motor Control using Discontinuous Signals</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2011 - no. 2 (108) - pp. 15-18, Accession Number: WOS:000288051500004	3.547	4	32.85
6	<u>Direct AC-AC Step-Down Single-Phase Converter with Improved Performances</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18) pp. 33-36, Accession Number: WOS:000313297600008 <u>Three-phase inverter controlled by ISCPWM and DPWM-SI</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012, No. 3(119) pp. 87-90, Accession Number: WOS:000302336200019 <u>Motor Control using Discontinuous Signals</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2011 - no. 2 (108) - pp. 15-18, Accession Number: WOS:000288051500004	0.529	4	8.89
7	<u>Direct AC-AC Step-Down Single-Phase Converter with Improved Performances</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18) pp. 33-36, Accession Number: WOS:000313297600008 <u>Three-phase inverter controlled by ISCPWM and DPWM-SI</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012, No. 3(119) pp. 87-90, Accession Number: WOS:000302336200019 <u>Motor Control using Discontinuous Signals</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2011 - no. 2 (108) - pp. 15-18, Accession Number: WOS:000288051500004	0.859	4	10.54
8	<u>Direct AC-AC Step-Down Single-Phase Converter with Improved Performances</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18) pp. 33-36, Accession Number: WOS:000313297600008 <u>Three-phase inverter controlled by ISCPWM and DPWM-SI</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012, No. 3(119) pp. 87-90, Accession Number: WOS:000302336200019 <u>Motor Control using Discontinuous Signals</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2011 - no. 2 (108) - pp. 15-18, Accession Number: WOS:000288051500004	0.859	2	21.09
	<u>Direct AC-AC Step-Down Single-Phase Converter with Improved Performances</u> C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18) pp. 33-36, Accession Number: WOS:000313297600008 <u>Three-phase inverter controlled by ISCPWM and DPWM-SI</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012, No. 3(119) pp. 87-90, Accession Number: WOS:000302336200019 <u>Motor Control using Discontinuous Signals</u> C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2011 - no. 2 (108) - pp. 15-18, Accession Number: WOS:000288051500004	0.913	2	21.63

9	<u>Multi-level inverters with imbricated switching cells, PWM and DPWM-controlled</u> O. Ursaru, C. Aghion. Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2010 - no. 8 (104) - pp. 23-26. Accession Number: WOS:000283700100005	0.659	2	19.09
10	<u>Software implementation for ACIM motor control</u> C. Aghion, O. Ursaru, M. Lucanu International Review of Electrical Engineering (IREE) - April 2010 - Papers Part A, vol.5, No. 2, ISSN: 1827-6660, Naples, Italy - pp.43-436. Accession Number: WOS:000278583300011	1.364	3	17.42
11	<u>Three-Phase Motor Control using Modified Reference Wave</u> C. Aghion, O. Ursaru, M. Lucanu. Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2010 - no. 3 (99) - P. 35-38. Accession Number: WOS:000276030600008	0.659	3	12.72
12	<u>Hysteresis-controlled Voltage Regulator using Integrated Circuit LM723</u> Ursaru O., Aghion C., Lucanu M. Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2009 - no. 7 (95) - P. 45-50. Accession Number: WOS:000270110700011	0.439	3	11.26
13	<u>Pulse Width Modulation Command Systems Used for the Optimization of Three Phase Inverters</u> Ursaru O., Aghion C., Lucanu M., Tigaru L., Advanced in Electrical and Computer Engineering Jurnal - Suceava, Romania - vol. 9 - No. 1/2009 - P. 22-27. Accession Number: WOS:000264815300004	0.509	4	8.795
14	<u>Implementation of the ISPWM-DPWM-S2 technique on a microcontroller</u> C. Aghion, M. Lucanu, O. Ursaru, D. Matasaru International Symposium on Signals Circuits and Systems - ISSCS 2013, Iasi, Romania, July 11, 12 2013. Accession Number: WOS:000337926700008	0.25	4	7.5
15	<u>Motor Control Strategy Based On Isapwm And Thipwm</u> C. Aghion, O. Ursaru, M. Lucanu, C.-M. Paveluta, O. Botez International Symposium on Signals Circuits and Systems - ISSCS 2011, Iasi, Romania, June 30 - July 1 2011, pp. 451-454. Accession Number: WOS:000337925400113	0.25	5	6
16	<u>Dpwm-S3 Software Control For Three-Phase Inverters</u> Aghion C., Lucanu M., Ursaru O. International Symposium on Signals Circuits and Systems - ISSCS 2009, Iasi, Romania, July 12-13, 2009, pp. 505-509. Accession Number: WOS:000275854200125	0.25	3	10
17	<u>Software Control For Pwma (Angular Pulse Width Modulation)</u> Aghion C., Ursaru O., Lucanu M., Dinitru L., Vornicu L. International Symposium on Signals Circuits and Systems - ISSCS 2007, Iasi, Romania, July 12-13, 2007, Volume 2 of 2, pp. 429-432. Accession Number: WOS:000250471700110	0.25	5	6
18	<u>Single Phase Ac Choppers With Inductive Load And Improved Efficiency</u> M. Lucanu, O. Ursaru, C. Aghion, International Symposium on ISSCS05, vol II pp. 597-600, IASI. Accession Number: WOS:000231532900150	0.25	3	10
19	<u>Control With Microcontroller For Pwm Single-Phase Inverter</u> L. Dinitru, M. Lucanu, C. Aghion, O. Ursaru, International Symposium on ISSCS03, vol I, pp. 265-269, IASI. Accession Number: WOS:000186628100068	0.25	4	7.5
20	<u>Single Phase Ac Chopper With IGBT's</u> M. Lucanu, O. Ursaru, C. Aghion, International Symposium on ISSCS03, vol I pp. 213-217, IASI. Accession Number: WOS:000186628100055	0.25	3	10
21	<u>New analog mode membership function circuit</u> Tigaru L., Alexa D., Ursaru O. International Symposium on SCS 2003, vol. II, pp 601-605, IASI, Inspe	0.25	4	10

22	Accession Number: WOS:000186628100152 A hybrid PID-Fuzzy controller for dc/dc converters Djordjevic A., Ursaru O., Lucanu M., L. Tigăeru International Symposium on SCS 2003, vol 1, pp 97-101, IASI, Inspec. Accession Number: WOS:000186628100026	0,25	4	7.5
TOTAL A2.1				280.95
FACTOR DE IMPACT CUMULAT				14.36

A2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI) [sunt cele recunoscute pe plan științific internațional precum (nelimitativ): Scopus, IEEE Xplore, Science Direct, Elsevier, Wiley, ACM, DBLP, Springerlink, Engineering Village, Cabi, Emerald, CSA, Compendex, INSPEC, Google Scholar] [20 / nr. de autori]

Nr.crt.	Titlul lucrării	Nr. autori	Punctaj
1	<u>Alternative solution for majority function used by Microchip for brushless direct current sensorless motor control</u> E. Bivol, C. Aghion, O. Ursaru Buletinul Institutului Politehnic Iași, pp.83-94, Volumul 63 (67), Nr. 2, 2017.	3	6.67
2	<u>Single-phase buck direct AC-AC converter with two inductances and improved efficiency</u> M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu Buletinul Institutului Politehnic Iași, pp.21-31, Volumul 63 (67), Nr. 1, 2017.	4	5.00
3	<u>Low cost solution for AC motor control applications</u> C. Aghion, M. Lucanu, O. Ursaru Buletinul Institutului Politehnic Iași, pp.21-31, Volumul 62 (66), Nr. 2, 2016.	3	6.67
4	<u>Single-Phase AC-AC Converter</u> O. Ursaru, C. Aghion Buletinul Institutului Politehnic Iași, pp.51-63, Volumul 62 (66), Nr. 1, 2016.	2	10.00
5	<u>LOW COST SOLUTION FOR AC MOTOR CONTROL APPLICATIONS</u> C. Aghion, M. Lucanu, O. Ursaru, Buletinul Institutului Politehnic Iași, Fasc. 2, Volumul 62 (66), No.2, 2016, pp.21-30.	2	6.7
6	<u>SINGLE-PHASE AC-AC CONVERTER</u> Ursaru O., Aghion C. Buletinul Institutului Politehnic Iași, Fase 1, Volumul 62 (66), No.1, 2016, pp.51-53.	2	10
7	<u>DIGITAL TECHNOLOGY IMPLEMENTATION OF PEAK CURRENT CONTROL METHOD WITH PID COMPENSATOR APPLIED TO BUCK CONVERTER</u> O.Boțez, M. Lucanu, O. Ursaru, C. Aghion, Acta Technica Napocensis, ISSN 1221-6542, vol. 52, nr. 3/2011, pp. 25-28, Cluj, Romania, categoria B+ CNCSIS, Index Cooperatus, Ebsco	4	5
8	<u>MULTILEVEL INVERTERS FOR UNCONVENTIONAL ENERGY CONVERSION SYSTEMS.</u> Ursaru O., Aghion C., Lucanu M., Boțez O.	4	5

Anexa nr. 1

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI FACULTATEA DE ELECTRONICĂ, TELECOMUNICAȚII ȘI TEHNOLOGIA INFORMAȚIEI
NR. <u>1488</u> / <u>30. 10</u> / <u>20</u> <u>19</u>

Domnule/ Doamnă Decan/ Director de Departament

Subsemnatul/ URSSARU OVIDIU cadru didactic al Universității Tehnice „Gheorghe Asachi” din Iași cu funcția actuală de Conf. dr. ing. în cadrul Departamentului de EASI, solicit, prin prezenta, înscrierea la concursul pentru acordarea gradatției de meritu pentru perioada 2019- 2024.

Data,

30-10-2019

Semnătura,
Conf. dr. ing. Ursaru Ovidiu



9	Buletinul Institutului Politehnic Din Iasi, Tomul LVII (LXI), Fasc. 4, 2011 Software control used for AC motors C. Aghion, O. Ursaru, M. Lucanu, C. M. Pavluta, O. Botez Buletinul Institutului Politehnic Iasi, pp.85-93, Tomul LVIII(LXII), Fascicola 2, 2011.	5	4
10	THE THREE-PHASE INVERTER CONTROLLED BY PWM TECHNIQUE, USED IN AC MOTORS SUPPLY C. Aghion, M. Lucanu, O. Ursaru, C. Pavel, C. Petrea Buletinul Institutului Politehnic Iasi, pp.9, Fascicola 1, 2008	5	4
11	PWM SINUSOIDAL HARMONIC INJECTION CONTROL STRATEGY FOR A SINGLE PHASE AC CHOPPER Ursaru O., Lucanu M., Tigăeru L., Aghion C. Buletinul Institutului Politehnic Iasi, tomul L(LIV), fasc. 1-2/ 2004, pp.79-86	4	5
12	THREE-PHASE AC CHOPPER WITH IGBT'S WITH THE LOAD CONNECTED IN STAR SHAPE WITH GROUND WIRE Ursaru O., Lucanu M., Aghion C., Tigăeru L. Buletinul Institutului Politehnic Iasi, tomul L(LIV), fasc. 1-2/ 2004, pp.87-95	4	5
13	SERIAL ARCHITECTURE FOR FUZZY LOGIC CONTROLLERS Tigăeru L., Ursaru O. Buletinul Institutului Politehnic Iasi, tomul XLIX(LIII), fasc.3-4/ 2003.	2	10
14	AN ELEMENTARY UNIT PROCESSING FOR FUZZIFICATION AND DEFUZZIFICATION CIRCUIT IMPLEMENTATION Tigăeru L., Ursaru O., A. Dordier, Buletinul Institutului Politehnic Iasi, tomul XLIX(LIII), fasc. 1-2/ 2003.	3	6.7
TOTAL A2.2			89.74

**A2.3 Proprietate intelectuală, brevete de invenție, certificate ORDA
[internationale – 35/nr. autorii; naționale – 25/ nr. autorii]**

Nr.crt.	Titul brevetului	Punctaj
1	<p>METHOD AND DEVICE FOR CONTROLLING AN OLED DISPLAY</p> <p>Inventor: [RO] AGHION CRISTIAN [RO] HAGAN MARIUS GHEORGHE [RO] URSARU OVIDIU</p> <p>Applicant: [RO] AGHION CRISTIAN [RO] HAGAN MARIUS GHEORGHE [RO] URSARU OVIDIU</p> <p>CPC: G06F3/042 G09G5/00</p> <p>IPC: Publication info: Priority date: RO133641 (A2) 2018-02-16</p> <p>Publication info: Priority date: 2019-09-30</p> <p>SYSTEM AND METHOD EMPLOYED IN THE PROCESS OF CONVERSION OF WIND ENERGY INTO ELECTRIC POWER</p> <p>Inventor: [RO] AGHION CRISTIAN [RO] HAGAN MARIUS GHEORGHE [RO] URSARU OVIDIU</p> <p>Applicant: [RO] AGHION CRISTIAN [RO] URSARU OVIDIU</p> <p>CPC: G01R21/133 H01M10/42</p> <p>IPC: Publication info: Priority date: RO132119 (A2) 2016-02-22</p>	8.33
2	<p>ELECTRONIC SYSTEM FOR RENEWABLE ENERGY TRAFFIC MANAGEMENT</p> <p>Inventor: [RO] AGHION CRISTIAN [RO] URSARU OVIDIU</p> <p>Applicant: [RO] AGHION CRISTIAN [RO] URSARU OVIDIU</p> <p>CPC: G01R21/133 H01M10/42</p> <p>IPC: Publication info: Priority date: RO132119 (A2) 2017-08-30</p>	12.5
TOTAL A2.3		20.83

Inventor: URSARU OVIDIU [RO] AGHION CRISTIAN	Applicant: [RO] URSARU OVIDIU [RO] AGHION CRISTIAN	CPC:	IPC: G01R31/36 H01M10/42	Publication info: RO131296 (A2) 2016-07-29	Priority date: 2014-12-23	
TOTAL A2.3						33.3

**A2.4 Granturi / proiecte internaționale câștigate prin competiție
(Director/ responsabil/membru în echipă)**

Nr.crt.	Titlul contractului	Număr ani	Punctaj
A2.4.1.1 Director/responsabil grant internațional			
1			[20 * ani de desfășurare]
2			
A2.4.1.2 Director/responsabil grant național			
1	Director: O. Ursaru, colectiv cercetare: A. Diordiev, C. Galesa, L. Vornicu, N. Ghiurea, C. Aghion, Grant At. cod CNCISIS 69. Tema 105. Contract 33479/2002. Beneficiar MEC, Tehnici De Comanda Neliniare Pentru Convertoare Electronice De Putere- Soluții Inteligente Pentru Reducerea Poluarzii Electromagnetice La Consumatori”	1	[10 * ani de desfășurare] 10
A2.4.2.1 Membru în echipă grant internațional			
			[4 * ani de desfășurare]
A2.4.2.2 Membru în echipă grant național			
2	Director : I.V.Pletea , SISTEM INTELIGENT DE CONDUCERE NELINIARA ROBUST-ADAPTIVA DOPA FLUXUL ROTORIC A ACTIONARIILOR CU MOTOARE ASINCRONE-SICRAMAS, contract PNCDI II_71-065/18.09.2007, valoare totala proiect 495000 RON, valoare faza 2007 30000 RON. Membri : D.Alexa, M.Lucanu, N.Lucanu, I.Cleiu, T.Goras, O.Ursaru, C.Aghion, R.Chiper.	2	[2 * ani de desfășurare] 4
3	Director: M. Lucanu, colectiv cercetare: N. Lucanu, O. Ursaru, C. Aghion Program Cercetare de Excelenta nr. 125/15.09.2006 cu titlul: „Localizarea Si Evaluarea dimensiunilor Tumorilor De San Prin Soluționarea Problemei Inverse De Camp Termic”, Centrul de cercetare stiintifica în domeniul aparatelor electrice – UPB-COSAE; SC ICPE SA – Institutul de Cercetare si Proiectare pentru Electrotehnica; Universitatea Valahia Din Targoviste; Universitatea Tehnica Gh.Asachi Iasi. Realizare: 2006-2008.	2	[2 * ani de desfășurare] 4
4	Director: I. Pletea. Membri : O.Ursaru, R. Bozomitu, A. Alistar, R. Chiper, A.Alexandrescu Program Cercetare de Excelenta Cod proiect: 58, Nr.1450/31.03.2006 „Convertoare	2	[2 * ani de desfășurare] 4

	Electronice De Putere Cu Continut Redus Al Armonicilor Si Curenti Sinusoidali La Iesire		
5	Director: M. Lucanu , colectiv cercetare: N. Lucanu, O. Ursaru , C. Aghion, Program Cercetare de Excelenta nr. 79/2005 cu titlul: „Reconstruirea Formei Defectelor Prin Metode Electromagnetice”, Centrul de cercetare științific în domeniul aparatelor electrice – UPB-CCSAE; SC ICPE SA – Institutul de Cercetare și Proiectare pentru Electrotehnica; Universitatea Valahia Din Târgoviște; Universitatea Tehnica Gh. Asachi Iasi. Realizare: 2005-2008	3	6
6	Director: A. Sirbu , colectiv cercetare: I.Cleju, D. Dobra, O. Ursaru, C. Aghion, Metode inteligente de proiectare și control pentru convertoarele electronice de putere performante în vederea asigurării calitatii energiei electrice”, Grant CNCISIS 27637, Tema 34 din 14.03.2005	1	2
7	Director: L. Vornicu , colectiv cercetare: C. Galesa, O. Ursaru , A. Diordiev Grant At , cod CNCISIS 32, Contract 35259/2001, Tema 32, Beneficiar MEC, „Tehnici de Comanda pentru Invertoare PWM Triazate, cu 7 Nivele ale Tensiunii pe Sarcina-Soluiii pentru Reducerea Polarii Electromagnetice de la Sistemele cu Actionari Electrice”	1	2
TOTAL A2.4.1.1 + A2.4.1.2			32

A3.1 Citări în cărți, reviste și volume ale unor manifestări științifice [cărți/ISI = 8 / nr. autori articol citat; BDI = 4 / nr. autori articol citat]

1) [Direct AC-AC Step-Down Single-Phase Converter with Improved Performances](#)
C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu
Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012 - no. 10 (vol. 18), pp. 33-36 Accession Number: WOS:000313297600008

Nr.crt	Titlul articolului care ne citează	Punctaj
1	AC Chopper Application and Benefits of Auxiliary Windings for PSC Motors MF Isik, U Guvenc, H Yamanaz - Elektronika ir Elektrotehnika, 2013 - kabalos ktu.lt	2
2	Novel Control Strategy of Single Matrix Traction Converter - Variable Switching Frequency By: Bednar, Bedrich, Blahnik, Vojtech, Drabek, Pavel; et al. ELEKTRONIKA IR ELEKTROTECHNIKA Volume: 21 Issue: 5 Pages: 13-18 Published: 2015	2
3	Novel Control Strategy of Traction Converter With Medium Frequency Transformer By: Bednar, Bedrich, Drabek, Pavel; Pittermann, Martin Edited by: Brida, P., Dubovan, J.; Markovic, M	2
4	Investigation of the AC/AC Buck-Boost Converter I Rankis, M Prieditis - Rigas Tehniskas Universitetas ..., 2017 - search.proquest.com	1
5	Reset arrangement for a microcontroller M Muth - US Patent 5,978,362, 2005 - Google Patents	1
6	Circuit and method for ac-to-ac voltage conversion MRHM Javarsiani, H Mokhtari - US Patent App. 15/675,313, 2017 - Google Patents	1
Total:		9

2) [Three-phase inverter controlled by ISCPWM and DPWM-SI](#)
C. Aghion, O. Ursaru
Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2012, No. 3(119), pp. 87-90 Accession Number: WOS:000302336200019

1	Integrated Models of a Gas Metal ARC Welding Process and Inverter based Power Supply for Process Control Simulation Studies By: Golob, M. ELEKTRONIKA IR ELEKTROTEHNIKA Volume: 20 Issue: 7 Pages: 3-6 Published: 2014	4
	Indirect vector control of a DFIG supplied by a two-level FSNM inverter for wind turbine system Indirect vector control of a DFIG supplied by a two-level FSNM inverter for WTS, Habib BENOUEHNI ENPO-MA, Oran, Algeria	4
Total: 8		
3) MOTOR CONTROL STRATEGY BASED ON ISCPWM AND THIPWM		
Cristian Aghion, Ovidiu Ursaru, Mihai Lucanu, Ciprian-Mircea Pavuluta, Octavian Botez International Symposium on Signals Circuits and Systems - ISSCS 2011, Iasi, Romania, June 30 - July 1 2011, pp. 451-454. Accession Number: WOS:000337925400113		
1	An evaluation of silicon carbide unipolar technologies for electric vehicle drive-trains S. Jaldi, O. Alaitse, C. Fisher, L. Ran, P. Manvdy - 2014 - ieeexplore.ieee.org	0.8
2	An optimal pulse width modulation method for high-speed permanent magnet synchronous motor L. Li, G. Tan, J. Liu, B. Kou - Information Science and Technology, ..., 2013 - ieeexplore.ieee.org	0.8
3	Cascaded H-bridge Asymmetrical Seven-level Inverter Using THIPWM for High Power Induction Motor R. Taleb, D. Benyoucef, M. Halaimi, Z. Bouajjema, ... - Energy Procedia, 2015 - Elsevier	0.8
4	The Implementation of sinusoidal PWM on single phase 5-level cascaded h-bridge multilevel inverter MF Yaakub - 2013 - eprints.uthm.edu.my	0.8
5	Analysis of dynamic performance and robustness of silicon and SiC power electronics devices S Jaldi - 2016 - wrap.warwick.ac.uk	0.8
6	Quality Improvement of VSI Fed to Five-Phase Induction Motor with FHI Control Technique SC Rangari, B. Shah, ... - International Journal of ..., 2017 - rpublication.com	0.8
7	Analytical and comparative study of FHI-SPWM and SPWM control technique of Five-phase VSI B Shah, SC Rangari, MM Renge - 2016 IEEE 1st International ..., 2016 - ieeexplore.ieee.org	1.6
Total: 6.4		
4) Motor Control using Discontinuous Signals		
C. Aghion, O. Ursaru Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2011 - no. 2 (108) - pp. 15-18. Accession Number: WOS:000288051500004		
1	Integrated Models of a Gas Metal ARC Welding Process and Inverter based Power Supply for Process Control Simulation Studies By: Golob, M. ELEKTRONIKA IR ELEKTROTEHNIKA Volume: 20 Issue: 7 Pages: 3-6 Published: 2014	4
2	EXPERIMENTAL INVESTIGATION INTO CONTROLLED INDUCTION DRIVE. ELECTRICAL AND CONTROL TECHNOLOGIES Book Series: Electrical and Control Technologies Pages: 101-104	4
3	Study of Adjustable Discontinuous Pulse Width Modulation (ADPWM) Based on Switching Transient Inverter Loss Algorithm XC Xu, J Wanf, D Zhenf, J Zhang - 2019 - sae.org	4
Total: 12		
5) Software implementation for ACIM motor control		
C. Aghion, O. Ursaru, M. Lucanu International Review of Electrical Engineering (IREE) - April 2010 - Papers Part A, vol.5, No. 2, ISSN: 1827- 6660, Naples, Italy - pp.433-436. Accession Number: WOS:00027858330011		
1	High speed shaft sensorless DFOC induction motor drive with field angle correction Porobic V.B., Adzic E.M., Marcevic, D.P. Source of the Document International Review of Electrical Engineering, Volume 6, Issue 4, July 2011, Pages 1664-1674.	1.33
2	A simulation benchmark for selection of the PWM algorithms for a multilevel PWM matrix converter, DO Neacsu - ... of Electrical and Electronic Equipment (OPTIM), ..., 2014 - ieeexplore.ieee.org	2.67
3	Harmonic results for the AC/AC direct converter built of CSI modules DO Neacsu - Signals, Circuits and Systems (ISSCS), 2013 ..., 2013 - ieeexplore.ieee.org	2.67

Total:		6.67
6) <u>Multilevel inverters with imbricated switching cells, PWM and DPWM-controlled</u> O. Ursaru, C. Aghion, Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2010 - no. 8 (104) - pp. 23-26. Accession Number: WOS:000283700100005		
1	<u>Two Analytical Methods for Detection and Elimination of the Static Hazard in Combinational Logic Circuits</u> MG-Tims, A Valachi, A Berleann, A Stan - Circuits and Systems, 2013 - scirp.org	2
2	<u>A simulation benchmark for selection of the PWM algorithms for a multilevel PWM matrix converter</u> , DO Neacsu - ... of Electrical and Electronic Equipment (OPTIM), ... 2014 - ieeexplore.ieee.org	2
3	<u>Application with a XY-plotter controlled by P/C used in student laboratory works</u> , Advanced Topics in Electrical Engineering (ATEE), 2015 9th International Symposium on, 7-9 May 2015, Page(s): 117 - 120, INSPIEC Accession Number: 15240786	2
4	<u>Comparative Analysis of Power Losses for 3-Level NPC and T-type Inverter Modules</u> By: Lee, Kwanghee; Shin, Hyunjin; Choi, Jaeho	4
5	<u>Power loss comparison with different PWM methods for 3L-NPC inverter and 3L-T type inverter</u> H Shin, K Lee, J Choi, S Seo... - 2014 International Power ... 2014 - ieeexplore.ieee.org	4
6	<u>3 레벨 NPC & T-type 인버터의 스위칭 상태에 따른 손실 해석</u> 신현진, 박주영, 최재훈 - 대한전기학회 학술대회 논문집, 2014 - ddpia.co.kr 대용량 분산 발전에 대한 관심이 많아지면서 분산발전원의 효율을 증가시키기 위해 많은 토폴로지들과 제어 방식들이 적용되고 있다. 특히 인버터의 효율을 높이는 것은 많은 연구가 이루어지고 있는 분야이다. 인버터의 효율을 증가시키기 위한 방법으로는 멀티레벨 인버터 ...	2
Total:		16
7) <u>Three-Phase Motor Control using Modified Reference Wave</u> C. Aghion, O. Ursaru, M. Lucanu, Electronics and Electrical Engineering Journal, Kaunas, Lithuania, 2010 - no. 3 (99) - p. 35-38. Accession Number: WOS:000276030600008		
1	<u>Mitigation of Magnetizing Inrush Current using Sequential Phase Energization Technique</u> , By: Jamali, M.; Mirzate, M.; Asghar-Gholamian, S. ELEKTRONIKA IR ELEKTROTECHNIKA Issue: 2 Pages: 67-70 Published: 2011	2.67
2	<u>Induction Motor Voltage Amplitude Control Technique based on the Motor Efficiency Observation</u> , By: Bleizgys, V.; Baskys, A.; Lipniskis, T. ELEKTRONIKA IR ELEKTROTECHNIKA Issue: 3 Pages: 89-92 Published: 2011	2.67
3	<u>Application of RBF network in rotor time constant adaptation</u> P Brandstetter, P Chlebis, P Palaček, O Skuta - Elektronika ir ... 2011 - eis.knu.lt	2.67
4	<u>Efficiency Increase of Switched Mode Power Supply through Optimization of Transistor's Commutation Mode</u> P Špink, M Frivaldský, P Držgoňa, J Kandrátč - Electronics and Electrical ... 2010 - ee.knu.lt	2.67
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Total:		14.63
8) <u>Pulse Width Modulation Command Systems Used for the Optimization of Three Phase Inverters</u> Ursaru O., Aghion C., Lucanu M., Tigaert L., Advanced in Electrical and Computer Engineering Jurnal - Suceava, Romania - vol. 9 - No. 1/2009 - P. 22-27. Accession Number: WOS:000264815300004		
1	<u>Unconventional Motors Based on Vibration Motion</u> , INTERNATIONAL REVIEW OF ELECTRICAL ENGINEERING-IRIEE Volume: 7 Issue: 5 Pages: 5542-5548 Part: A Published: SEP-OCT 2012	2
2	<u>The Study of the Deforming Regime of AC/AC Converter using Fourier and Multiresolution Analysis</u> , By: Rata, G.; Popa, V.; Rata, M. ELEKTRONIKA IR ELEKTROTECHNIKA Issue: 5 Pages: 7-12 Published: 2012	2

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4	Theoretical and experimental aspects concerning Fourier and wavelet analysis for deforming consumers in power network	2
5	G Rafti, M Rafti, C Fioare, C Strugan u - Electronics and Electrical ... 2010 - researchgate.net CURRENT CONTROL OF A VSI-FED INDUCTION MACHINE BY PREDICTIVE TECHNIQUE. S Ivanov, V Răsvan, E Bobaşu, D Popescu, F Şingă - scs-europe.net	1
6	SYNTHESIS OF DIGITAL SYSTEMS USING DECOMPOSITION ALGORITHMS Mihai Timiș, Alexandru Valachi, Btasev, 26-28 Mi 2016, AFASES 2016.	1
7	An Improved Hybrid Space Vector PWM Technique for IM Drives P Muthukumar, PM Mary, SJeewanathan - Circuits and Systems, 2016 - file.scirp.org	1
8	Predictive versus Classic Control of the Induction Motor Drives S Ivanov, V Răsvan, E Bobaşu, D Popescu, F Şingă... - elth.ucl.ac.uk	1
Total:		12
9) SINGLE PHASE AC CHOPPERS WITH INDUCTIVE LOAD AND IMPROVED EFFICIENCY		
M. Lucanu, O. Ursaru, C. Aghion, Accession Number: WOS:000231532900150 International Symposium on ISSC:305, vol II pp. 597-600, IASI		
1	Artificial neural network Controlled energy saver for Induction motor drive V. Jamma - 2014 - shodhganga.inflibnet.ac.in	1.33
2	Certain studies on energy saving schemes for the speed control of capacitor run fan motors K Samudurai - 2014 - ir.inflibnet.ac.in http://hdl.handle.net/10603/24347	1.33
3	Investigation of the AC/AC Buck-Boost Converter I Rankis, M Prieditis - Rīgas Tehniskās Universitātes ... 2017 - search.proquest.com	1.33
4	Properties of the AC/AC buck-boost converter I Rankis, M Prieditis - ... on Power and Electrical Engineering of ... 2017 - ieeexplore.ieee.org	2.67
5	Investigation of the AC/AC Buck-Boost Converter I Rankis, M Prieditis - Rīgas Tehniskās Universitātes ... 2017 - search.proquest.com	2.67
Total:		9.33
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M.Lucanu, O. Ursaru, C. Aghion, Accession Number: WOS:000186628100055 International Symposium on ISSC:303, vol I pp. 213-217, IASI		
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4	Performance analysis of phase controlled unidirectional and bidirectional ac voltage controllers. A Larić, MA Maher, AR Shaikh - Melhan University Res. ... 2011 - publications.ru.net.edu.mk	1.33
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8	Fault-tolerant isolated converter in low-voltage technology for automotive AC auxiliary power DO Neacsu - Industrial Electronics Society, IECON 2013-39th ... 2013 - ieeexplore.ieee.org	1.33
9	Certain investigations on the performance improvement of the power converters M Karagöçmen - 2013 - ield.inflibnet.ac.in http://hdl.handle.net/10603/10305	1.33

10	PDFI Performance analysis of phase controlled unidirectional and bidirectional ac voltage controllers A Lark, MA Mahar, AR Shaikh - Mehran University Res ... 2011 - publications.muuet.edu.pk	1.33
Total:		13.33
11) CONTROL WITH MICROCONTROLLER FOR PWM SINGLE-PHASE INVERTER		
L. Dimitriu, M. Lucanu, C. Aghion, O. Ursaru, International Symposium on ISSCS03, vol 1, pp. 265-269, IASI Accession Number: WOS:000186628100068		
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2	A New Approach to Power Inverter for Better Voltage Regulation and Low Harmonic Distortion MM Islam, MM Kara, AF Miftul... - ieeexplore.ieee.org	1
3	PV Array Fed SEPIC and VSI Based Power Conversion System for Single Phase Induction Motor Drive P Sivaraman, A Nirmalkumar - International Journal of Modern Engineering, www.ijmer.com Vol.2, Issue 3, May-June 2012 pp-1181-1188 ISSN: 2249-6645	1
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5	A Novel Integrated Structure for Three Phase Digital SPWM Wavform Generator with VWF Control R Nasrollahi, A Hassenzadeh... - Journal of Electrical and ... 2017 - search.proquest.com	1
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7	An improved switching strategy for single phase SPWM inverter to reduce power loss and total harmonic distortion MZ Alhisan, R3 Ali, M Othman... - Applied Mechanics ... 2015 - Trans Tech Publ	1
8	Smart meter based on time series modify and constructive backpropagation neural network MF Adiatmoko, A Sosprihanto, M Svalin... - 2017 4th ... 2017 - ieeexplore.ieee.org	2
9	Smart meter based on time series modify and extreme learning machine SR Arrachman, MF Adiatmoko... - ... optics, micro electro ... 2017 - ieeexplore.ieee.org	1
Total:		10
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8	Design of a soft switching bidirectional DC-DC power converter for ultracapacitor-battery interfaces Z.W. Wu, Z.L. Zhang, C.L. Yin, Z. Zhao - International Journal of Automotive..., 2012 - Springer	1
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13	基于新型模糊 PID 控制的 DC-DC 变换器仿真研究, 刘跃, 张仁红 - 现代机械, 2012 - eqvip.com(Bazat pe nou control fuzzy PID DC-DC studiu de simulare Converter Kuangjing Guo, Liu Yue, Ren Hong - utilaje moderne, 2012 - eqvip.com)	1
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15	CONTRIBUTION A LA COMMANDE ADAPTATIVE ROBUSTE PAR MODES GLISSANTS A EL HAJJAJI - 2009 - researchgate.net	1
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1	PEC with Inductor Current Hysteretic Control and Voltage Fuzzy Controller for the Output Voltage Merueta, Bogdan Stefan; Lucanu, Mihai; Chipper, Rodica et al. Conference: International Symposium on Signals, Circuits and Systems Location: Iasi, ROMANIA Date: JUL 12-13, 2007 Sponsor:SSCS 2007. International	2

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Total:		2
15) Single-phase direct AC-AC step-down converter		
M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu		
IET Power Electronics, Volume 7, Issue 12, December 2014, p. 3101 – 3109, DOI: 10.1049/iet-pel.2013.0730. Accession Number: WOS:000346253000022		
1	<u>Input-series-output-parallel connected modular high frequency isolated AC-AC converters with positive compensation of inner-current loop</u> By: Xu, Guo; Sha, Deshang; Liao, Xiaozhong IET POWER ELECTRONICS. Volume: 9. Issue: 9. Pages: 1784-1791. Published: JUL 27 2016	2,66
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16) Implementation of the ISPWM-DPWM-S2 technique on a microcontroller		
C. Aghion, M. Lucanu, O. Ursaru, D. Matasaru		
International Symposium on Signals Circuits and Systems – ISSCS 2013, Iasi, Romania, July 11, 12 2013. Accession Number: WOS:000337926700008		
1	<u>AN OVERVIEW OF THE SOLUTIONS FOR THE IMPLEMENTATION OF ASYNCHRONOUS DIGITAL SYSTEMS</u> Grigore Mihai TIMIS*, Alexandru VALACHI, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, FASCICLE III, 2016, VOL. 39, NO. 1, ISSN 2344-4738	1,00
Total:		1
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By: Lucanu, Mihai; Ursaru, Ovidiu; Aghion, Cristian; et al.		
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Total:		4
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1	Duma P., Managing Serial EEPROM Memory through I2C with ATMEGL Family Microcontroller. Buletinul Institutului Politehnic din Iasi, Vol. 62 (66), Nr. 2, 2016, Secția Electrotehnică, Energetică, Electronică.	2,00

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3	P.Duma, Barcode Reader Management with the AT1MEL Microcontroller (I), Buletinul Institutului Politehnic Iași, Vol. 63 (67), Nr. 1, Secția Electrotehnică. Energetică. Electronică, 2017, pp.63-73.	2.00
4	P.Duma, Barcode Reader Management with the AT1MEL Microcontroller (I), Buletinul Institutului Politehnic Iași, Vol. 63 (67), Nr. 1, Secția Electrotehnică. Energetică. Electronică, 2017, pp.63-73.	2.00
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Total:		10
17)INFORMATICĂ APLICATĂ - introducere în microcontrolere, Cristian Aghion, Ovidiu Ursaru, ISBN: 978-606-13-2636-5, pp. 131, Editura PIM, Cod CNCIS 66/2010, 2015, Iasi.		
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2	P.Duma, E.Petac, Managing the Interface for Receiving Caller Identification Delivery Messages Using a Microcontroller (II), Buletinul Institutului Politehnic Iași, Vol. 63 (67), Nr. 2, Secția Electrotehnică. Energetică. Electronică, 2017, pp.39-50.	2.00
Total:		4
TOTAL A3.1		171.68

A3.4 Premii în domeniul

Nr.crt.	Premiu	Punctaj
A3.4.1 Academia Română, premii internaționale		
1	Premiul Special pentru inventia Meoda si dispozitiv de control al unui display cu OLED-ori, 9-11 Noiembrie 2018, Asociatia Romana pentru Tehnologii Neconventionale, Chisinau, Targul International Invent-Invest 2018.	6
2	Medalia Targului International de Inventie si Idei Practice pentru inventia Sistem electronic utilizat in managementul traficului de energie regenerabila, autori Ursaru Ovidiu si Aghio Cristian, 9-11 Noiembrie 2018, Chisinau, Targul International Invent-Invest 2018.	15
3	Medalia de aur pentru inventia Meoda si dispozitiv de control al unui display cu OLED-ori, 9-11 Noiembrie 2018, Chisinau, Targul International Invent-Invest 2018.	15
4	Diploma de Excelenta pentru lucrarea: Interfața optica de comunicare paralela, inventatori: C. Aghion, O. Ursaru si M. Hagan, 7-9 Mai 2019, Ploiesti, Targul International Invent-Invest 2019.	15
Total:		51
A3.4.2 Premii nationale		
Nr.crt.	COID	PREMIILE REZULTATELOR CERCETARII - ARTICOLE REZULTATE EVALUARE LISTA (poz. 180)

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI” DIN IAȘI
 FACULTATEA DE Electronică, Telecomunicații și Tehnologia Informației
 DEPARTAMENTUL Electronica Aplicata

ANEXA 2

RAPORT DE AUTOEVALUARE A ACTIVITĂȚII PENTRU ANII 2014-2019 în vederea acordării gradatției de merit

Numele și prenumele cadrului didactic evaluat	URSARU OVIDIU
Funcția didactică	Conf.dr.ing.

Criteriul de evaluare	Indicatori de performanță (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ș.l.; • 5 puncte as.)	1.1. - 1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) 1.3. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte 1.4. Elaborare manuale și alte materiale pentru învățământul preuniversitar 1.5. Modernizare tehnologie didactică din alte surse decât din cele publice (donatii, sponsorizări etc.) 1.6. Granturi POSDRU/POC finanțate 1.6.1. Granturi POSDRU/POCU depuse în cadrul unor competiții, dar nefinanțate 1.6 Absolvire cursuri de perfecționare cu certificat (inclusiv pe platforme de e-learning: Coursera, Udacity, etc.)	- 11.52 12 - 184.6 40 - -
Total punctaj Criteriu 1		248.16
2. Cercetarea științifică (minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte asist.)	2.1. Elaborare cărți/ monografii/ tratate 2.2. Articole publicate în reviste de specialitate 2.3. Conferințe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egida științifice recunoscute, lucrări comunicate 2.4. Lucrări publicate în volumele conferințelor 2.5. Brevete acordate, produse omologate 2.5.1. Cereri de brevete depuse 2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție 2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăți comerciale 2.8. Creații de arhitectură, urbanism, restaurări, design și arte plastice efectuate prin Universitate 2.9. Citări în reviste cotate ISI sau indexate în baze de date internaționale (BDI) 2.10. Finalizare teză de doctorat	- 136.1 - 37.5 70 60 - - 260 -

266,23
 18,07 =

1	0 PN-II-RU-PRECI SI - 2015-9-10275	Single-phase direct AC-AC step-down converter /IIT POWER ELECTRON	5
		http://nefisati.gov.ro/users/files/file/PREMIERE_ARTICOL/ARTICOL/F%20202015/REZULTATE/Rezultate%20eligibilitate_li sta%205%20_08_12_2015.pdf	
Total:			5
TOTAL A3.4			56



ovidiu ursaru

asoc. prof. PhD
Adresa de e-mail confirmata pe eiti.tulasi.ro
electronic



TITLU

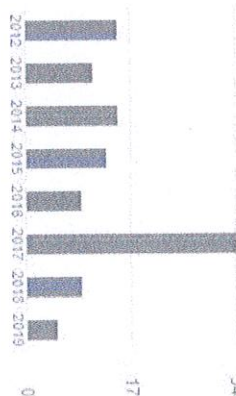
CITAT DE ANUL

A hybrid PID-fuzzy controller for dc/dc converters	34	2003
A Diordaev, O Ursaru, M Lucanu, L Tigaeu Signals, Circuits and Systems, 2003, SCS 2003 International Symposium on 1 ...		
Single phase ac chopper with igtbts	15	2003
M Lucanu, O Ursaru, C Aghion Signals, Circuits and Systems, 2003, SCS 2003 International Symposium on 1 ...		
Pulse width Modulation Command Systems Used for the Optimization of Three Phase Inverters	13	2009
O Ursaru, C Aghion, M Lucanu, L Tigaeu Advances in Electrical and Computer Engineering 9 (1), 22-27		
Direct AC-AC step-down single-phase converter with improved performances	12	2012
C Aghion, M Lucanu, O Ursaru, N Lucanu		

Citat de

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h-index	166	85
i10-index	8	6
i10-index	6	2



Ursaru, Ovidiu

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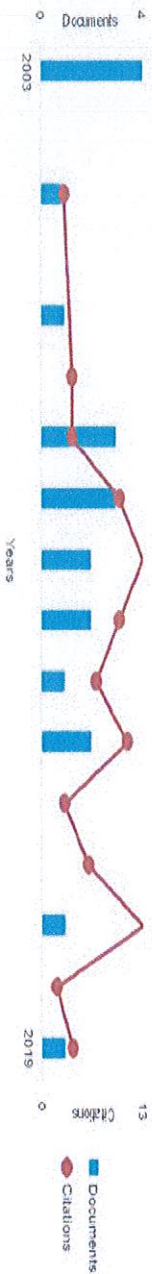
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FIȘA DE VERIFICARE
 a îndeplinirii standardelor universității - Conf. dr. ing. Ovidiu URSARU 2019

Îndeplinirea standardelor minime ale universității
 Tabelul 1. Standardul minimal al universității SMU.CONF.1 – Activitatea didactică

Standardul minimal al universității SMU.CONF.1 – Activitatea didactică	Indicatori de performanță	Realizări (se trec cifrele de ordine ale realizărilor cuprinse în lista de lucrări, iar, după caz, celelalte realizări se nominalizează explicit)	Punctaj/ realizare	Număr impus de realizări	Număr de realizări ale candidatului	Număr puncte obt. de candidat	
							Ca
Valoarea contribuțiilor la dezvoltarea activităților didactice / profesionale, prin cărți/ capitolle publicate în edituri recunoscute CNCS, sisteme de laborator funcționale, metode de lucru avansate aplicate etc. - după caz, cu referire distinctă la realizările după acordarea ultimului titlu didactic/ grad profesional.	Carte/ curs/ manual publicată în străinătate Capitol carte/ curs/ manual publicat în străinătate Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor) Capitol curs/ manual publicat în editură recunoscută CNCS		8	-			
			6	-			
		Ca.1. Ca.2. Ca.3.	5	1	3	6,66	
			3	-			
	Indrumar laborator/ proiect/ lucrări seminar/ culegere de probleme (publicat sau disponibil pe Web)	1.1					
		1.2	4	1	4	8	
		1.3					
		1.4					
D	Sisteme de laborator funcționale (numai pentru	Amenajare lucrare nouă de laborator cu instalație experimentală	D.1	2	2	5	
			D.2				
			D.3				
			D.4				

	disciplinele prevăzute cu lucrări de laborator/ proiect/ lucrări)	Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz	D.5						
		Contribuție la dotarea laboratoarelor, în valoare echivalentă cu 500 Euro	D.4		1.5		1	1,5	
W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimediala etc.	Support de studiu/ autoinstruire pe Web pentru seminar, laborator, proiect (integral pentru o disciplină)	W.1			1		1	
		Support de prezentare/ instruire text/ video/ audio/ ppt a disciplinei	W.2			1		1	
Total puncte SMU CONF.1									
(min. 16)									
									28,16

Justificare Punctaj

Nr.crt.	Titlul lucrării	Punctaj
Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)		
Ca.1.	<u>INFORMATICA APLICATA - Introducere în microcontrolere.</u> Cristian Aghion, Ovidiu Ursaru , ISBN: 978-606-13-2636-5, pp. 131, Editura PIM, Cod CNCSIS 66/2010, 2015. Iași.	5/2=2,5
Ca.2.	<u>APLICATIILE ÎN ELECTRONICA DE PUTERE.</u> Ovidiu Ursaru, Cristian Aghion, Mihai Lucanu, ISBN: 978-606-520-727-1, pp. 139, Cod CNCSIS 66/01.05.2006, Editura PIM, 2010, Iași.	5/3=1,66
Ca.3.	<u>APLICATIILE PRACTICE ALE MICROCONTROLERELOR.</u> Cristian Aghion, Ovidiu Ursaru , ISBN: 978-606-520-538-3, pp. 124, Editura PIM, Cod CNCSIS 66/01.05.2006, 2009, Iași.	5/2=2,5
TOTAL:		
Indrumar laborator/ proiect/ lucrări seminar/ culegere de probleme (publicat sau disponibil pe Web)		6,66
I.1.	<u>MODELAREA SI SIMULAREA CONVERTOARELOR ELECTRONICE DE PUTERE-1.</u> Indrumar de laborator, Ovidiu Ursaru , Cristian Aghion, ISBN: 978-606-13-2617-4, pp. 130, Editura PIM, Cod CNCSIS 56/2010, 2015. Iași.	2
I.2.	<u>MODELAREA SI SIMULAREA CONVERTOARELOR ELECTRONICE DE PUTERE-2.</u> Indrumar de laborator, Ovidiu Ursaru , Cristian Aghion, ISBN: 978-606-13-2618-1, pp. 154, Editura PIM, Cod CNCSIS 56/2010, 2015. Iași.	2
I.3.	<u>ANALIZA CONVERTOARELOR ELECTRONICE PRIN SIMULARE.</u> Indrumar de laborator, Ovidiu Ursaru , Cristian Aghion, ISBN: 978-606-13-2644-0, CD, Editura PIM, 2015. Iași.	2
I.4.	<u>APLICATIILE CU MICROCONTROLERE.</u> Indrumar de laborator, Cristian Aghion, Ovidiu Ursaru , ISBN: 978-606-13-2666-2, CD, Editura PIM, 2015. Iași.	2
TOTAL:		8

Amplasare lucrare nouă de laborator cu instalație experimentală		
D.1.	REDRESOR MONOFAZAT ÎN PUNTE COMANDATĂ UTILIZÂND CIRCUITUL INTEGRAT BA145	2
D.2.	INVERTOR TRIFAZAT COMANDAT ÎN ȘASE PULSURI CU MICROCONTROLER	2
D.3.	CONVERTORUL PUSH-PULL SAU CONTRATIMP DE CURENT CONTINUU	2
D.4.	Invertor monofazat comandat cu microcontroler(fonduri proprii,licența 2016)	2
D.5.	Sistem de conversie a energiei eoliene în energie electrică, sincron cu rețeaua de curent alternativ(fonduri proprii, licența 2016)	2
TOTAL		10
Amplasare concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz		
D.4.	ANALIZA MODELAREA ȘI SIMULAREA CONVERTOARELOR PWM QUASIREZONANTE	1,5
TOTAL		1,5
Suport de studiu/ autoinstruire pe Web pentru seminar, laborator, proiect (integral pentru o disciplină)		
W.1.	LABORATOR ELECTRONICĂ INDUSTRIALĂ, PROIECT ELECTRONICĂ INDUSTRIALĂ, ELECTRONICĂ DE PUTERE - http://ep.etc.tuiasi.ro	1
W.2.	ELECTRONICĂ INDUSTRIALĂ 1. (format ppt) ELECTRONICĂ INDUSTRIALĂ 2. (format ppt) platforma Moodle https://edu.etti.tuiasi.ro	1
TOTAL GENERAL	(MINIM IMPUS DE UNIVERSITATEA TEHNICA „George Asachi” din Iasi - 16)	28,16

DATA
30-10-2019

Semnatura
conf.dr.ing. Ovidiu Ursaru




MINISTERUL EDUCAȚIEI NAȚIONALE
UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Bld. Profesor Dimitrie Mangeron nr.67,700050
Tel : *40 232 701111 int. 2535; 2541 URL: www.tuiasi.ro
DIRECȚIA RESURSE UMANE



NR. 1282 / 28.10.2019

ADEVERINȚĂ

Se atestă prin prezenta că dl./d-nă Ungaru Ovidiu domiciliat(ă) în Iasi, str. Gradinari, nr. 14, județul Iasi, având B.I./C.I. seria MZ, nr. 592.101, eliberat de SPICLET Iasi, este încadrat(ă) în instituția noastră, pe durată nedeterminată/determinată începând cu data de 25.02.2002 până la data de în prezent având funcția de Conf. univ. de imp. Pedagog - Fac. E.T.T.I. cu un salariu de bază de, tranșa de vechime, gradație de merit, stabilitate, indemnizație pentru titlul științific de doctor, alte elemente ale sistemului de salarizare, salariu brut, salariu net

Se eliberează prezenta pentru a-i servi la decat gradatie de merit

Pentru anii 2018, 2017, 2016, 2015, 2014 au fost depuse la Biroul Personal, fișele de autoevaluare și evaluare de către Directorul de Departament

Sef Serviciu E.R.U.,
Ing. Gabriel FLOREA

Administrator financiar,

Sef Serviciu Salarizare,
Ec. Anita SANDUCU



2.11. Elaborare standarde		-
Total punctaj Criteriu 2		563.6
3. Recunoașterea națională și internațională		
(minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ș. l.)		
3.1. Profesor invitat pentru prelegeri la univ. de prestigiu		-
3.2. Membru în academiile (Academia Română, Academia de Științe Tehnice, Academia de Științe Agricole și Silvici, Academia Oamenilor de Știință etc.)		-
3.3. Doctor Honoris Causa		-
3.4. Membru în societăți științifice și profesionale (AGIR, asociațiile absolvenților etc.)		70
3.5. Membru în comisiile de doctorat		3
3.6. Membru în colective de redacție ale revistelor		-
3.7. Membru în comitete științifice naționale/ internaționale/ de program (la congrese, conferințe etc.)		-
3.8. Membru în echipe de expertizare / evaluare a cercetării științifice (proiecte CNCS, PNCDI II, FP7, Phare; centre de cercetare etc.)		10
3.9. Membru în echipe de expertizare (evaluare) a procesului educațional (ARACIS, EUA etc.)		-
3.10. Membru în consilii naționale de specialitate		-
3.11. Organizator de manifestări științifice naționale / internaționale / sesiuni invitate		60
3.12. Referent științific / expert național și internațional (pentru reviste, congrese etc.)		15
3.13. Membru în comisiile de concurs pentru posturi didactice universitare		-
3.14. Membru în jurii, comisii, concursuri profesionale		18
3.15. Cercetător invitat pentru activități de cercetare în universități/firme de prestigiu		-
3.16. Cadru didactic invitat în programe ERASMUS (prelegeri)		-
3.17. Cadru didactic care gestionează acorduri bilaterale ERASMUS		-
3.18. Premii		100
Total punctaj Criteriu 3		281-40 =
4. Activitatea cu studenții		
(minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș. l.)		
4.1. Conducere cercuri științifice studențești		21
4.2. Pregătire pentru concursuri profesionale (pentru fazele națională și internațională)		-
4.3. Conducere lucrări de absolvire ²⁾ , licență (diplomă), disertație, doctorat (inclusiv cotutela, membri în echipa de îndrumare)		156
4.3.1. Conducere lucrări de absolvire nefinalizate: diplomă, disertație, doctorat (inclusiv cotutela), grad didactic		
4.3.2. Îndrumare doctoranzi		25
4.4. Îndrumare ani de studii		45
4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee		-
4.6. Activități cu studenți ERASMUS		-
Total punctaj Criteriu 4		247-3 =
5. Activitatea în comunitatea academică		
(minimum: • 15 puncte prof.; • 10 puncte conf.);		
5.1. Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc.		96
5.2. Activitate în comisii		262

244

241

• 5 puncte ș.l.:		15
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă	
Total punctaj Criteriu 5		373
Total punctaj Criterii 1-5		1712.76
6. Evaluarea de către Directorul de Departament (0-50 puncte)	Justificări: conform fișelor de autoevaluare	5x50=250
195		1952.76

Justificarea punctajului in perioada 2014-2019 pentru acordarea gradatiei de merit

1. ACTIVITATEA DIDACTICĂ

Nr.crt.	Titlul lucrării	Punctaj
1.2.a. Elaborare manuale universitare (3x(n_p/100)/n_a)-Cursuri		
1.	INFORMATICĂ APLICATĂ - introducere în microcontrolere, Cristian Aghion, Ovidiu Ursaru, ISBN: 978-606-13-2636-5, pp. 131, Editura PIM, Cod CNC SIS 66/2010, 2015, Iași.	6,55 19,65
TOTAL 1.2.a		6,55 19,65

Nr.crt.	Titlul lucrării	Punctaj
1.2.b. Elaborare manuale universitare (3x(n_p/100)/n_a)-indrumare laborator		
1.	MODELAREA SI SIMULAREA CONVERTOARELOR ELECTRONICE DE PUTERE-1. Indrumar de laborator, Ovidiu Ursaru, Cristian Aghion, ISBN: 978-606-13-2617-4, pp. 130, Editura PIM, Cod CNC SIS 66/2010, 2015, Iași.	4,97 9,94
2.	MODELAREA SI SIMULAREA CONVERTOARELOR ELECTRONICE DE PUTERE-2. Indrumar de laborator, Ovidiu Ursaru, Cristian Aghion, ISBN: 978-606-13-2618-1, pp. 154, Editura PIM, Cod CNC SIS 66/2010, 2015, Iași.	4,97 9,94
TOTAL 1.2.b		

Nr.crt.	Punctaj
1.3. Elaborare suporturi de cursuri, seminarii, laboratoare, proiecte (3x(n_p/100)/n_a)	
1.	Modelarea si simularea convertoarelor de putere curs (format on line -ep etc:tuiași.) : (3x(400/100)/1)-2019
TOTAL 1.3	

1.5 Modernizare tehnologie didactică din alte surse decât din cele publice (donatii, sponsorizări etc.)

1.5.a. Dotare cu materiale laborator		37.14
circuitie integrate 5x13leix400buc:7700		
1.5.c. Eloborare lucrari noi de laborator (5xnr.realizari/n_a)		
	*REDRESOR MONOFAZAT IN PUNTE COMANDATA UTILIZAND CIRCUITUL INTEGRAT BA145, (2015)	5
3	*CONVERTORUL PUSH-PULL SAU CONTRATIMP DE CURENT CONTINUU . (2016)	5
4	INVERTOR TRIFAZAT COMANDAT IN SASE PUI.SURI CU MICROCONTROLLER (2015)	5
5	ANALIZA CONVERTOARELOR ELECTRONICE PRIN SIMULARE. Indrumar de laborator, Ovidiu Ursaru, Cristian Aghion, ISBN: 978-606-13-2644-0, CD, Editura PIM, 2015, Iași, 42 lucrari de laborator	42x5/2=105

6	APLICATIILE CU MICROCONTROLERE. Indrumar de laborator. Cristian Aghion, Ovidiu Ursaru. ISBN: 978-606-13-2666-2. CD, Editura PIM, 2015. Iasi.	11x5/2=27.5
TOTAL 1.5		184.64

1.1.6 Granturi POSDRU/POCU finanțate

1.	Carieră și succes profesional prin consiliere, orientare, stagiul de practică și simulare a mediului de lucru real Contract nr. POSDRU/161/2.1/G/139637, 2014	20
2	Proiect B01H&C-ASAGHH(P0CGU/9016.13/6.14/107847) , etc.2018. V	20
TOTAL 1.1.6		40

2. Cercetare Stiintifica

2.2.a Articole în reviste cotate ISI [(30+40 * factor impact) /nr. de autori]

Nr.crt.	Titlul articolului	Factor de impact	Nr. autori	Punctaj
1	Efficient high frequency single-phase AC chopper M. Lucanu, O. Ursaru , C. Aghion, N. Lucanu Revue roumaine des sciences techniques. Série Électrotechnique et Énergétique, vol.64, 2019, p.69-74, WOS:000464302300012	0.763	4	15.13
2	Single-Phase Direct Boost AC-AC Converter O. Ursaru , M. Lucanu, C. Aghion, N. Lucanu Advanced in Electrical and Computer Engineering Jurnal - Suceava, Romania - vol. 17 - No. 4/2017 - P. 43-48, DOI: 10.4316/AECE.2017.04006.	0.650	4	14
3	Single-phase direct AC-AC step-down converter M. Lucanu, O. Ursaru , C. Aghion, N. Lucanu IET Power Electronics, Volume 7, Issue 12, December 2014, p. 3101 – 3109, DOI: 10.1049/iet-pel.2013.0730. Accession Number: WOS:000346235000022	3.547	4	42.97
4	Single-Phase Direct AC-AC Boost Converter M. Lucanu, O. Ursaru , C. Aghion, N. Lucanu Advanced in Electrical and Computer Engineering Jurnal - Suceava, Romania - vol. 14 - No. 3/2014 - P. 107-112, DOI: 10.4316/AECE.2014.03014. Accession Number: WOS:000340869800014	0.650	4	14
Total 2.2.a				86.1

2.2.b reviste incluse in BDI[(30 /nr. de autori]

1	Alternative solution for majority function used by Microchip for brushless direct current sensorless motor control	10
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	E. Bivol, C. Aghion, O. Ursaru Buletinul Institutului Politehnic Iasi, pp.83-94, Volumul 63 (67), Nr. 2, 2017.	
2	Single-phase buck direct AC-AC converter with two inductances and improved efficiency M. Lucanu, O. Ursaru, C. Aghion, N. Lucanu Buletinul Institutului Politehnic Iasi, pp.21-31, Volumul 63 (67), Nr. 1, 2017.	7.5
3	Low cost solution for AC motor control applications C. Aghion, M. Lucanu, O. Ursaru Buletinul Institutului Politehnic Iasi, pp.21-31, Volumul 62 (66), Nr. 2, 2016.	10
4	Single-Phase AC-AC Converter O. Ursaru, C. Aghion Buletinul Institutului Politehnic Iasi, pp.51-63, Volumul 62 (66), Nr. 1, 2016.	15
5	LOW COST SOLUTION FOR AC MOTOR CONTROL APPLICATIONS C. Aghion, M. Lucanu, O. Ursaru, Buletinul Institutului Politehnic Iasi, Fasc.2, Volumul 62 (66), No.2, 2016, pp.21-30.	7.5
Total 2.2b		50
2.4 Lucrari publicate in volumul conferintelor 50/n		
1	Single-Phase Boost A.C.-A.C. Converter Cristian Aghion, Mihai Lucanu, Ovidiu Ursaru, Maris Hagan International Symposium for Design and Technology in Electronic Packaging - SITTE, 24 edition, 25-28 October 2018, Iasi, Romania, pp.50-51.	12.5
2	Increased-efficiency single-phase direct boost A.C.-A.C. converter C. Aghion, M. Lucanu, O. Ursaru, N. Lucanu International Symposium on Signals Circuits and Systems – ISSCS 2017, Iasi, Romania, July 13, 14 2017. Accession Number: DOI:10.1109/ISSCS.2017.8034917.	12.5
3	OLED display control system C. Aghion, M. Lucanu, M. Hagan, O. Ursaru, International Symposium on Signals Circuits and Systems – ISSCS 2019, Iasi, Romania, July 10, 13 2019	12.5
TOTAL 2.4		37.5

2.5 Brevete acordate[60/nr.autorii]

Nr.crt.	Titlul brevetului	Punctaj
1	METHOD AND DEVICE FOR CONTROLLING AN OLED DISPLAY <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Inventor: [RO] AGHION CRISTIAN [RO] HAGAN MARIUS GHEORGHE [RO] URSARU OVIDIU</p> </div> <div style="width: 45%;"> <p>Applicant: [RO] AGHION CRISTIAN [RO] HAGAN MARIUS GHEORGHE [RO] URSARU OVIDIU</p> </div> </div> <p style="text-align: center;">CPC: IPC: Publication Info: Priority date: G06F3/042 G09G5/00 RO133641 (A2) 2019-09-30 2018-02-16</p>	20