



## UNIVERSITATEA “VALAHIA” DIN TARGOVIȘTE

### PLANUL DE CERCETARE Anul universitar: 2017/2018

#### 1. Articole publicate in reviste cotate sau indexate ISI (incluse in WEB of Science-Science Citation Index Expanded, Social Science Citation Index si Arts Humanities Citation Index)

Numarul revistei	Nr.total de autori/articol	Titlul articolului	Titlul revistei cotate sau indexate ISI/ISSN	Factorul de impact/Scor relativ	Coeficientul de pondere al autorilor din UVT
-	2	Adaptive High Capacity reversible Watermarking	IEEE Trans. on Image Processing sau echivalent	>3	1
-	2	Multiple Moduli reversible Watermarking	Signal Processing, IEEE TIFS, sau echivalent	>2	1
-	2	On 2D histogram embedding RW	IEEE TIP, IEEE TIFS, sau echivalent	>2	1
-	3	Reversible Histogram Specification for Images	IEEE Transactions on Image Processing	3.735	1
-	3	Best Score Prediction Based Reversible Watermarking	IEEE Transactions on Information Forensics and Security	2.441	1
-	3	Energy consumption and environmental impacts for wastewater treatment plant: analysis of a Romanian case study	Journal of Energy Engineering (ISSN: 0733-9402)	1.34	0.66
-	2	LCA Analysis and Modeling of Electrical Energy Consumption for Water Treatment	Energy-Elsevier	4.02	1
-	3	Experimental models of electromagnetic forces for microsystems	Revue Roumaine des Science Techniques – Elctrotechnique et Energetique	0.78	1
-	4	A Soft Parameter Function Penalized Normalized Maximum Correntropy Criterion Algorithm for Sparse System Identification	Entropy	1.743	0.25
-	4	A General Zero Attraction Proportionate Normalized Maximum Correntropy Criterion Algorithm for Sparse System Identification	International Journal of Adaptive Control and Signal Processing	1.368	0.25
-	4	Measurements and numerical simulation of electric and magnetic fields around a 110-kV substation	Journal of Computing and Information Science in Engineering, ISSN:1530-9827	0,848	0.5
-	3	Benchmarking of wireless power transmission circuits using modern electronic components	Journal of Science and Arts	0.4	1
-	3	A Comparative Study of the Spectrum of Radiation emitted by different lighting controllers	Journal of Science and Arts	0.4	0.67

-	4	New results on enhancement/ analyzing of microscopy images	Microscopy Research and Technique / IEEE Transactions on Image Processing/ etc.	1.34	0.5
-	9	Assessment of metals contamination of surface water: A case study of Ialomita River, Romania	Romanian Journal of Physics	1.398	0.1
-	4	AFM Nanşye – Development of an educational-oriented high resolution profilometer	Automatica A Journal of IFAC, the International Federation of Automatic Control	4.387	0.25
-	8	Design and control of an embedded mobile microrobotic system for education	Automatica A Journal of IFAC, the International Federation of Automatic Control	4.387	0.125
-	4	Numerical simulation of the magnetic field in the quenching chamber of a low-voltage circuit breaker	Journal of Computing and Information Science in Engineering, ISSN:1530-9827	0,848	0.5
-.	4	Numerical simulation of the magnetic field in the quenching chamber of a low-voltage circuit breaker	Advances in Science and Technology Research Journal	0.21	0.5
-	4	Research regarding the development, characterization and applications of some thin film magnetic sensors: Cu/Ni giant magnetorezistance devices	Journal of Science and Arts	0.4	0.25
-	4	Remote-control system of intelligent street lighting using a wireless network of devices and sensors	Studies in Informatics and Control / 1220-1766 sau Advances In Electrical And Computer Engineering / 1582-7445	0.52 / 0.459	1
-	1	A smart health monitoring system for measurement of biological signals based on web-service-oriented architecture	Journal of Control Engineering and Applied Informatics / 1454-8658	0.449	1
-	4	Algorithms for the control of a mobile robot in industrial environments	Journal Of Science And Arts / 1844-9581 sau International Journal Of Computers Communications & Control / 1841-9836	0.25 / 0.627	1
-	1	Automatic weather system for isolated areas based on GPRS technology and web-service-oriented architecture	Environmental Engineering And Management Journal / 1582-9596 sau International Journal Of Computers Communications & Control / 1841-9836	1.008 / 0.627	1

**2. Articole publicate in reviste românești si internationale, indexate BDI**

Numarul revistei	Nr.total de autori/articol	Titlul articolului	Titlul revistei BDI/ISSN	Denumirea Bazei de date	Coefficientul de pondere al autorilor din UVT
-	4	Analysis Of Energy Efficiency And Financial Profitability For Active Filter Equipment Used For Large Industrial Consumer	The Scientific Bulletin of Electrical Engineering Faculty-SBEEF, ISSN 1843-6188	SCOPUS	0.75
-	4	Solution for Inspection of Power Energy Equipment using Augmented Reality	The Scientific Bulletin of Electrical Engineering Faculty-SBEEF, ISSN 1843-6188	SCOPUS	0.25
-	3	Evaluation of binarization algorithms in preprocessing of digital mammographies.	The Scientific Bulletin of Electrical Engineering Faculty-SBEEF, ISSN 1843-6188	SCOPUS	1
-	3	Analysis of energy efficiency and financial profitability for an active filter equipment used for large industrial consumer	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF), ISSN 2286-2455	<a href="https://www.degruyter.com/view/j/sbeef">https://www.degruyter.com/view/j/sbeef</a>	0.75
-	4	The analysis of optical fiber links	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF), ISSN 2286-2455	<a href="https://www.degruyter.com/view/j/sbeef">https://www.degruyter.com/view/j/sbeef</a>	1
-	1	Extraction system of a useful signal from a noisy signal	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF), ISSN 2286-2455	<a href="https://www.degruyter.com/view/j/sbeef">https://www.degruyter.com/view/j/sbeef</a>	1
-	2	Measurements of very low level of noisy signals	The Scientific Bulletin of Electrical Engineering Faculty (SBEEF), ISSN 2286-2455	<a href="https://www.degruyter.com/view/j/sbeef">https://www.degruyter.com/view/j/sbeef</a>	1
-	2	Monitoring System for ECG and PA signals	The Scientific Bulletin of Electrical Engineering Faculty / 1843-6188	Scopus	1

**3. Articole publicate in reviste indexate B, C ( C din cadrul UVT )**

Numarul revistei	Nr.total de autori/articol	Titlul articolului	Titlul revistei B, C/ISSN	Coefficientul de pondere al autorilor din UVT

**4. Proceedings paper indexate ISI (include în Science Citation Index Expanded, Social Sciences Citation Index and Arts și Humanities Citation Index)**

Anul publicării	Nr.total de autori/articol	Titlul articolului	Titlul vol./ISSN	Factorul de impact	Coeficientul de pondere al autorilor din UVT
2017	2	Modeling of Electromagnetic Forces of Dual Coils use din Microbiological Systems	IEEE - Electronics, Computers and Artificial Intelligence	-	1
2017	3	Towards Reversible Histogram Equalization	EUSIPCO 2017	-	1
2017	2	Using Histogram Bin Shifting in Image Watermarking Applications	IEEE WIFS 2017, EUSIPCO 2017	-	1
2017	2	An Improved High Capacity Reversible Watermarking Scheme	IEEE ISSCS 2017	-	1
2017	4	Registration Complementary Microscopy Images: A Case Study	IEEE ISSCS 2017 sau EUSIPCO 2017	-	0.5
2017	4	On Filtering Moire Noise in SNOM images	IEEE ISSCS 2017 sau IEEE ECAI	-	0.5
2017	4	On Micropy Images Registration	IEEE ISSCS 2017 sau IEEE ECAI	-	0.5
2017	3	Improved reversible data hiding in encrypted images based on reserving room after encryption and pixel prediction	25th European Signal Processing Conference	-	1
2017	3	Pairwise color image reversible watermarking	IEEE international Workshop on Information Forensics and Security (WIFS)	-	1
2017	3	Improved local complexity computation for adaptive pairwise reversible watermarking	International Symposium on Signals, Circuits and Systems	-	1
2017	2	Modeling of Electromagnetic Forces of Dual Coils use din Microbiological Systems	IEEE - Electronics, Computers and Artificial Intelligence	-	1
2017	2	Analysis of Various Scenarios of the MV and LV power stations faults	IEEE – International Conference on Environment and Electrical Engineering	-	1
2018	2	Analysis and Modelling of Residentail Electrical Installation Fiability	IEEE - Electronics, Computers and Artificial Intelligence	-	1
2018	3	Power Analysis of PV System Used in Wastewater Treatmnet Plant Based on Technological Models	IEEE – International Conference on Environment and Electrical Engineering	-	1
2017	4	Sparse Channel Estimation Using Correntropy Induced Metric Criterion Based SM-NLMS Algorithm	WCNC 2017	-	0.25
2017	4	Convergence Analysis of a Correntropy Induced Metric Constrained Mixture Error Criterion Algorithm	25th European Signal Processing Conference	-	0.33
2017	3	Low-Complexity Non-Uniform Penalized Affine Projection Algorithms for Active Noise Control	25th European Signal Processing Conference	-	0.25
2017	2	Low Complexity Kernel Affine Projection-type Algorithms with a Coherence Criterion	ICSIGSIS 2017	-	0.5
2018	5	Two Microphone Acoustic Feedback Cancellation in Digital Hearing Aids: A Step Size Controlled Spectral Domain Approach	IEEE - ICASSP	-	0.2

Anul publicării	Nr.total de autori/articol	Titlul articolului	Titlul vol./ISSN	Factorul de impact	Coefficientul de pondere al autorilor din UVT
2018	5	Decorrelated Improved Proportionate Algorithm for Feedback Cancellation in Two-Microphone Hearing Aid Systems	IEEE – Communications	-	0.4
2017	4	Infantile hemangioma images characterization using deep learning	IEEE International Symposium on Signals, Circuits and Systems, Iasi, Romania 2017	-	1
2018	5	New active noise control algorithms for adaptive distributed networks	IEEE – Communications	-	0.4
2017	4	Infantile hemangiomas classification by ensemble of SVMs using statistical features based on co-occurrence matrix,	IEEE 12th International Conference on Communications - COMM 2018, Bucharest, Romania	-	1
2017	4	Automatic segmentation of infantile hemangiomas using fuzzy clustering means	AQTR-International Conference on Automation, Quality and Testing, Robotics 2018, Cluj Napoca, Romania	-	1
2018	5	Numerical modelling of an electric arc in low-voltage switching device	Electronics Computer and Artificial Intelligence ECAI 2018	-	0.4
2018	3	Applying fault tree method in the construction of a maintenance plan for an industrial system	Electronics Computer and Artificial Intelligence ECAI 2018	-	1
2017	1	Electromagnetic model of micromanipulation systems	IEEE - Electronics, Computers and Artificial Intelligence	-	1
2017	5	Experimental investigations on hybrid photovoltaic-thermoelectric module	ECAI 2017 - International Conference – 9 <sup>th</sup> Edition Electronics, Computers and Artificial Intelligence, June, 2017, Târgoviște, România	-	0,8
2017	5	Research regarding the development, characterization and applications of some thin film magnetic sensors deposited on polymer: Cu/Ni giant magnetoresistance devices	ECAI 2017 - International Conference – 9 <sup>th</sup> Edition Electronics, Computers and Artificial Intelligence, June, 2017, Târgoviște, România	-	0.4
2017	3.	Automatic System for Monitoring of Strategic Infrastructure Using Wireless Sensors	Proceedings of the 10 <sup>th</sup> International Symposium on Advanced Topics In Electrical Engineering, March 23-25, 2017, Bucharest, Romania, ISSN: 2068-7966; Print ISBN: 978-1-4673-5979-5	-	0.33
2017	5	Design and implementation of an HVAC System for converting a decommissioned hangar in a conference room with a capacity of 800 seats	Proceedings of the 10 <sup>th</sup> International Symposium on Advanced Topics In Electrical Engineering, March 23-25, 2017, Bucharest, Romania, ISSN: 2068-7966; Print ISBN: 978-1-4673-5979-5	-	0.2
2017	5	Research regarding the development, characterization and applications of some thin film magnetic sensors deposited on polymer: Cu/Ni giant magnetoresistance devices	Proceedings of ECAI 2017 - International Conference – 9 <sup>th</sup> Edition Electronics, Computers and Artificial Intelligence , June, 2017, Targoviste,	-	0.4

Anul publicării	Nr.total de autori/articol	Titlul articolului	Titlul vol./ISSN	Factorul de impact	Coefficientul de pondere al autorilor din UVT
			ROMÂNIA		
2017	2	ECG and PA monitoring system with alert module and mobile application	Electronics, Computers and Artificial Intelligence Conference / 978-1-4673-6646-5	0.25	1
2017	4	Intelligent street lighting system using wireless technology	Electronics, Computers and Artificial Intelligence Conference / 978-1-4673-6646-5	0.25	1
2017	4	Dynamic obstacle avoidance for a mobile robotic system	Electronics, Computers and Artificial Intelligence Conference / 978-1-4673-6646-5	0.25	0.75

##### 5. Proiecte/Granturi/Contracte de cercetare științifică câștigate în competiții naționale și internaționale

Titlul/Denumirea programului de finantare	Tipul finanțării	Nr. contract	Instituitia coordonatoare	Nume director proiect / Resposabil partener	Perioada de derulare	Valoarea contractului intrata in universitate
Implementari eficiente pentru controlul activ al zgomotului in rețelele distribuite adaptiv	UEFISCDI Buget stat	PN-III-P2-2.1-PED-2016-0651	Universitatea Valahia din Targoviste	ALBU Felix	01.02.2017-30.06.2018	600.000 RON
Prototipuri de sisteme robotice autonome destinate asistenței medico-sociale și deservirii unor procese de fabricație din metalurgie, ceramică, sticlă si industria de automobile (ProRobSis)	UEFISCDI Buget stat	PN-II-PT-PCCA-2013-4-0686	Univ. Ovidius din Galati	FILIPESCU Adrian / MINCĂ Eugenia	1.09.2014 ÷ 31.09.2017	600.000 RON
Sistem inteligent de management, monitorizare si mentenanta a pavajelor si drumurilor folosind tehnici imagistice moderne (Pav3M)	UEFISCDI Buget stat	PN-II-PT-PCCA-2013-4-1762	Univ. Babes Bolyai din Cluj-Napoca	RUSU Lucia / COLȚUC Dinu	1.09.2014 ÷ 31.09.2017	180.000 RON
Metode de predicție a evoluției hemangioamelor infantile în vederea prevenirii complicațiilor desfigurante prin metode intervenționale multiple (HEMACAD)	UEFISCDI Buget stat	PN-II-PT-PCCA-2013-4-0201	Universitatea de Medicină și Farmacie Carol –Davila, București	DRAGHICI Isabela / ALBU Felix	1.09.2014 ÷ 31.09.2017	180.000 RON
Proiect de cercetare cu finanțare prin Competiție de proiecte de cercetare – 2016 - 2017 BIT Invest SRL - <i>Componente electrice compatibile cu dezvoltarea durabilă</i> , durata 12 luni.	Capital privat SC BIT Invest SRL	Nr 7179 / 19.12.2016 și 2510/19.12.2016	Universitatea Valahia din Târgoviște	Stam Mihail Florin	dec. 2016 – nov. 2017	10,000.00

## 6. Carti publicate in edituri nationale, recunoscute CNCS

Titlul cărții	Editura/ISSN	Număr autori	Număr pagini	Coefficient de pondere al autorilor din UVT
Bazele Electrotehnicii - Îndrumar de laborator	Bibliotheca, Târgoviște	6	200	0.5
Echipamente și Instalații Electrice - Îndrumar de laborator	Valahia University Press, Târgoviște	1	100	1
Instalații Electrice - Îndrumar de proiectare	Valahia University Press, Târgoviște	1	150	1
Îndrumar de laborator Surse de alimentare	Valahia University Press	1	60	1
Aplicații distribuite – îndrumar de laborator	Valahia University Press, Târgoviște	4	120	1
Teoria Transmisiei Informației – îndrumar de laborator	Valahia University Press, Târgoviște	4	120	1
10 pași pentru crearea proiectelor utilizând Step7 și WinCC	Bibliotheca, Târgoviște	3	192	1

## 7. Cărți publicate in edituri internationale de prestigiu

Titlul cărții	Editura/ISSN	Număr autori	Număr pagini	Coefficient de pondere al autorilor din UVT
Reactive Power Control in AC Power Systems: Fundamentals and Current Issues, Chapter 1: Electrical Power Systems (in curs de aparitie, 2017)	Springer ISBN 978-0-387-35544-3	6	45	0.17
Reactive Power Control in AC Power Systems: Fundamentals and Current Issues: Chapter 2: Fundamentals of Reactive Power in AC Power Systems (in curs de aparitie, 2017)	Springer ISBN 978-0-387-35544-3	4	71	0.25

## 8. Lucrări susținute la conferințe naționale/internaționale și publicate în volumele conferințelor

Perioada	Numele persoanei cu lucrare invitată	Conferința	Titlul lucrării/Volum/ISSN	Coefficient de pondere al autorilor din UVT
2017	D. Circiumarescu	CSCS21: The 21th International Conference on Control Systems and Computer Science	A new approach to improve performance of routing protocols for Voice, Video Conferencing and FTP services	1
2017	N. Angelescu	CSCS21: The 21th International Conference on Control Systems and Computer Science	Evaluation of binarization algorithms in preprocessing of digital mammographies	1
2017	Ionita Marius	EUSIPCO 2018/ ECAI 2018/ etc.	Microscopy image registration: a case study	1

Se consideră numai lucrările prezentate , conform programului

**9. Profesor invitat la universități de prestigiu\***

Perioada	Instituția solicitantă	Activitatea desfășurată/Titulul cursului

\*Nu se consideră mobilitățile ERASMUS+

**Data**

**Semnătura**