

## Fișa de verificare

Numele și prenumele candidatului: Lavric Alexandru  
Denumirea postului didactic: asistent, Poziția 32

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

Nr. crt.	Denumire standard	Documentele care dovedesc îndeplinirea standardelor
1.	Doctor	Diploma doctor nr.0007233
2.	Media examenului de finalizare a studiilor	9,00 Diplome studii de licența și de masterat
3.	Certificat de absolvire a studiilor psihopedagogice	Certificate de absolvire nivel I și nivel II

## Punctaj pentru performanțe didactice și cercetare științifică – asistent universitar

Nr. crt.	Denumire indicator*	Documentele care dovedesc îndeplinirea indicatorului	Punctaj*
2.9.	Articol / studiu publicat în revistă cotate ISI (A) / ERIH. (FI – factor de impact; SRI – scor relativ de influență)	Alexandru Lavric, Valentin Popa, Ștefan Sfichi, „Adaptive Channel Selection Algorithm for a Large Scale Street Lighting Control ZigBee Network in the Presence of WLAN Interference,” Elektronika ir Elektrotehnika Journal, Vol. 19, Nr. 9, pp. 105-109, 2013, Web of Science Core Collection, Accession Number: WOS:000330687100023.factorul de impact 0,411.	40,18
		Alexandru Lavric, Valentin Popa, Ilie Finis, Daniel Simion, "The design and implementation of an energy efficient street lighting monitoring and control system," Przegląd Elektrotechniczny, Nr. 11, pp. 312-316, 2012, (ISI Impact Factor 0.244), Accession Number: WOS:000310614200070	28,05
		D. Simion, M.F. Ursuleanu, A. Graur, A.D. Potorac, A. Lavric, „Efficiency Consideration for Data Packets Encryption within Wireless VPN Tunneling for Video Streaming,” International Journal of Computers, Communications & Control (IJCCC), pp. 112-122, Vol. 8, nr.1, 2013, ISSN: 1841-9844 revistă cotate ISI, având factorul de impact 0,441 pentru anul 2012, Accession Number: WOS:000312043600015.	24,41
2.10.	Articol / studiu publicat în revistă de specialitate recunoscute la nivel național de CNCS (CNCSIS) (B+).	Alexandru Lavric, Valentin Popa, „The Design and Implementation of a Street Lighting Control System using a 802.11 Communication Protocol: A Case Study,” Buletinul AGIR nr. 3 (5th International Symposium on Electrical Engineering and Energy Converters), pp. 1-5, 2013.	17,50
		Alexandru Lavric, Valentin Popa, „A Traffic Prediction Algorithm for Street Lighting Control Efficiency,” Journal of Applied Computer Science & Mathematics, no. 15 (7), pp. 13-17, 2013, ISSN: 2066-4273.	17,50
2.12.	Articol / studiu publicat în volumele manifestărilor științifice la conferințe cu proceedings-uri	Lavric Alexandru, Popa Valentin, Sfichi Ștefan, “Street lighting control system based on large-scale WSN: A step towards a Smart City”, Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on, pp.673,676, 16-18 Oct. 2014, (Thomson Reuters ISI Conference Proceedings Citation Index), Accession Number: WOS:000353565300122.	33,33

	indexate ISI.	Alexandru Lavric, Valentin Popa, Ilie Finis, "The Design of a Street Lighting Monitoring and Control System," Conference Electrical and Power Engineering EPE, pp. 314-317, 2012, DOI: 10.1109/ICEPE.2012.6463912, Accession Number: WOS:000324685300056.	33,33
		I. Finis, V. Popa, A. Lavric, A Mathematical Approach of a HF RFID Multi Loop Antenna for Metallic Environments, International Conference and Exposition on Electrical and Power Engineering (EPE 2012), pp. 679 - 682, 2012, DOI: 10.1109/ICEPE.2012.6463854, Accession Number: WOS:000324685300123.	33,33
		Alexandru Lavric, Valentin Popa, Ilie Finis, Adrian M. Gaitan, Adrian I. Petrariu, "Packet Error Rate Analysis of IEEE 802.15.4 under 802.11g and Bluetooth Interferences", 9th International Conference on Communications, COMM 2012, pp. 259-262, 2012, DOI: 10.1109/ICComm.2012.6262616, Accession Number: WOS:000307808200060.	20,00
		Alexandru LAVRIC, Valentin POPA, "Performance Evaluation of Topology Control Algorithms", RoEdu International Conference, pp. 111- 114, 2013, DOI: 10.1109/RoEduNet.2013.6511741, Accession Number: WOS:00032055810001,	50,00
		Alexandru Lavric, Valentin Popa, „The Hardware Design of a Street Lighting Control with Vehicle and Malfunction Detection,” The 8th International Symposium on Advanced Topics In Electrical Engineering Bucharest May 23-25, pp. 1-4, 2013 DOI : 10.1109/ATEE.2013.6563532, Accession Number: WOS:000332928500186.	50,00
		Adrian-Mihai Găitan, Valentin Popa, Vasile-Gheorghita Găitan, Adrian-Ioan Petrariu, Alexandru Lavric, Simona-Anda Gherasim, „RFID Network Traffic Analysis Based On An Empirical Model,” 9th International Conference on Communications, COMM 2012, pp 201-204, 2012, DOI: 10.1109/ICComm.2012.6262549, Accession Number: WOS:000307808200046.	16,66
		Daniel Simion, Adrian Graur, Lavric Alexandru, Ali Haider Mahdi,Sfichi Stefan,„An Optimize Particle Swarm Optimization Routing Algorithm for Data Transmission in Cognitive Radio Networks,” 2012 10th International Symposium on Electronics and Telecommunications (ISETC), pp. 213-216, 2012, DOI: 10.1109/ISETC.2012.6408148, Accession Number: WOS:000318702700049.	20
		Alexandru Lavric, Valentin Popa, "Semi-Anechoic Chamber Power Measurements of a WSN transceiver for Smart City Concept Validation", International Symposium on Electronics and Telecommunications 2014 Eleventh Edition, Timișoara, pp.63-66, 2014, DOI: 10.1109/ISETC.2014.7010748, Accession Number: WOS:00036663330001.	50
2.12.	Articol / studiu publicat în volumele manifestărilor științifice la conferințe cu proceedings-uri indexate ISI.	Males Codrin, Popa Valentin, Lavric Alexandru, „Finis Ilie, Performance Evaluation of Power Line Communications over Power Transformers”, 2012 20th Telecommunications Forum (TELFOR), pp. 627-630, 2012, DOI: 10.1109/TELFOR.2012.6419288, Accession Number: WOS:000316626800152.	25
		I. Finis, V. Popa, A. Lavric, C. Males, S. Sfichi, „Performance Evaluation of 13.56 MHz RFID Antenna Operating in Metallic Environments”, 20th Telecommunications forum TELFOR 2012 Serbia, Belgrade, November 20-22, pp. 1210-1213, DOI: 978-1-4673-2984-2/12, IEEE, 2012, Accession Number: WOS:000316626800290.	20
2.16.	Articol / studiu publicat în revistă de circulație	Alexandru Lavric, Valentin Popa, "Performance evaluation of routing algorithms that can be used in Smart City Concept", Przegląd Elektrotechniczny, Vol 2015, No 8, pp.97-100.	10

	internațională, cu referenți și colectiv editorial internațional (cu ISSN).	Alexandru Lavric, Valentin Popa, Ilie Finis, Codrin Males, „Performance evaluation of Tree and Mesh ZigBee Network Topologies used in Street Lighting Control Systems”, Przegląd Elektrotechniczny, nr. 4, pp. 168-171, 2013	5
2.23.	Lucrare susținută la manifestare științifică din țară (confirmare prin documente, delegație)	Certificate of Attendance - International Symposium on Electronics and Telecommunications 2014 Eleventh Edition, Timișoara Certificate of Attendance - Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on	5 5

\* Conform formular de evaluare performanțe F09 din Regulamentul R42 – cap 2 – Activitatea de cercetare (Anexa 13)

**TOTAL PUNCTAJ: 504,29 puncte**

Întocmit,  
Dr. Ing. Alexandru Lavric

Alexandru Lavric

Data,

25.05.2017