

Lista de lucrări

Articole publicate (maxim 10 lucrări):

1. [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 Elektrotechnika Journal, Vol. 19, Nr. 9, pp. 105-109, 2013, Web of Science Core Collection, Accession Number: WOS:000330687100023;](#)
2. [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, Web of Science Core Collection, Accession Number: WOS:000310614200070;](#)
3. [Lavric Alexandru, Popa Valentin, Sfichi Stefan, "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;](#)
4. [Alexandru Lavric, Valentin Popa, "Performance evaluation of topology control algorithms that can be integrated into a street lighting control sensor network", RoEdu International Conference, pp. 1-4, 2013 \(Thomson Reuters ISI Conference Proceedings Citation Index\), Accession Number: WOS:000320558100018;](#)
5. [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;](#)
6. [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 \(BDI\);](#)
7. [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, \(ISI Proceedings\), Accession Number: WOS:000307808200060;](#)

8. [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 \(BDI IEEE Explore\); 09/ICComm.2012.6262616, \(ISI Proceedings\), Accession Number: WOS:000332928500186;](#)
9. [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. [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;](#)

- [Titlul tezei de doctorat: "Contribuții privind dezvoltarea sistemelor de iluminat stradal",](#)
[Îndrumător: Prof. Dr. Ing. Valentin Popa](#)

Nume

Lavric Alexandru

Data

18.01.2017