

Lucrări științifice elaborate

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2. „Models and modelling supercapacitors for a defined application” - **Elena Dănilă**, Dorin Dumitru Lucache, Gheorghe Livinț, 8th international conference on electromechanical and power systems SIELMEN – Annals of the University of Craiova, Electrical Engineering series, No. 35, 2011; ISSN 1842-4805, pg.200-205. – BDI [IndexCopernicus Journal](#). ICID: 973440, ICTM Value: 4.05
3. „Energy management in a laboratory computer grid” – **Elena Dănilă**, Cătălin Damian, Dorin Dumitru Lucache – WESC 2012 Conference Proceedings, Buletinul AGIR nr.2 aprilie-iunie 2012, ISSN – L 1224-7928 ([BDI: Index Copernicus International](#)), Journal of Energy and Power Engineering (ISSN1934-8975), indicativ JEPE12071105 - în curs de publicare.
4. „Minimizing the fir filter area used in a FPGA power computing instrument” – Cătălin Damian, Cristian Zet, **Elena Dănilă** – WESC 2012 Conference Proceedings, Buletinul AGIR nr.2 aprilie-iunie 2012, ISSN – L 1224-7928 (BDI: [Index Copernicus International](#)).
5. "Autonomy improvement of data center backup sources with supercapacitors" - **Elena Dănilă**, Dorin Dumitru Lucache, Acta Electrotehnica Journal (BDI: [VINITI](#)), volume 54, no.5, 2013, ISSN 1841-3323, pg. 147-152.
6. „Cost effectiveness of growing plant lighting system” - **Elena Dănilă**, Dorin Dumitru Lucache - Journal of Electrical Engineering vol. 13 no.4, 2013, pg. 224-230, ISSN 1582-4594 ([IEE INSPEC](#), [SCOPUS Index](#), [factor de impact 0.967](#)).

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2. “Efficiency of some growing light systems for tomatoes” – **Elena Dănilă**, Dorin Lucache, Dan Ioachim. Proc. of 7th International Conference on Electromechanical and Power Systems, October 8-9, 2009 – Iasi, Romania, Vol.II, pp. II-376 – 379, ISBN vol. II 978-606-520-623-6.
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4. „Tendencies in electric and hybrid electric vehicles batteries” - Gabriel Chiriac, Daniel Sticea, Gheorghe Livinț, Dorin Lucache and **Elena Dănilă**, 7th international conference on electromechanical and power systems SIELMEN, Editura PIM, 2009, vol. II, pp. 181-186, ISBN vol II, 978-606-520-623-6, October 8-9, 2009, Iași, Romania.
5. “Risks in change management of engineering higher education” - **Elena Dănilă**, Dorin Lucache, Cătălin Damian, 6th International Seminar on Quality Management in Higher Education 2010 **ISI Proceedings**, pg.51-55, ISBN: 978-973-662-568-8.
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10. „Run-time optimization of hybrid energy source from an UPS back-upping critical consumer”, **Elena Dănilă**, Dorin Lucache, 14th International Conference on Optimization of Electrical and Electronic Equipment 2014, **IEEE Explore și ISI Proceedings**, pg.661-666, ISBN 978-1-4799-5183-3. DOI: 10.1109/OPTIM.2014.6850942.
11. "Dynamic modelling of supercapacitor using artificial neural network technique", **Elena Dănilă**, Gheorghe Livinț, Dorin Dumitru Lucache, Proceedings of International Conference and Exposition on Electrical and Power Engineering 2014, ISSN 978-1-4799-5848-1.
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