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- E1. **E. Lazar**, D. Petreus, R. Etz, T. Patarau, "Software Solution for a Renewable Energy Microgrid Emulator", Advances in Electrical and Computer Engineering, vol.18, no.1, pp.89-94, 2018, doi:10.4316/AECE.2018.01011 [Impact Factor: 0.699]

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- E2. **E. Lázár**, D. Petreuş, R. Etz, T. Pătărău, "Minimization of operational cost for an Islanded Microgrid using a real coded Genetic Algorithm and a Mixed Integer linear Programming method", 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, 25-27 MAY, 2017, pp. 693-698, doi: 10.1109/OPTIM.2017.7975049
- E3. **E. Lázár**, D. Petreuş, R. Etz, T. Pătărău, "Optimal Scheduling of an Islanded Microgrid Based on Minimum Cost", 39th International Spring Seminar on Electronics Technology - ISSE2016, Pilsen, Czech Republic, MAY 18-22, 2016, pp. 290 – 295,doi: 10.1109/ISSE.2016.7563207
- E4. **E. Lazar**, R. Etz, D. Petreus, T. Patarau, I. Ciocan, „SCADA Development for an Islanded Microgrid”, IEEE 21st International Symposium for Design and Technology in Electronic Packaging (SIITME) Brasov, Romania, 22-25 October 2015, pp. 147 - 150 (DOI: 10.1109/SIITME.2015.7342314)
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- E10. D. Petreus, T. Pătărău, R. Etz, E. Lázár, “*Supplying a Renewable Energy Single Phase Microgrid from a Biomass Generator Using a Three Phase Induction Machine*”, IEEE CPE-POWEREN16, Bydgoszcz, Poland, 29.06 – 01.07, 2016, pp. 208 – 213, DOI: 10.1109/CPE.2016.7544186
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