Listă lucrări publicate

a) Articole

i. Articole publicate în jurnale WOS

- A. Ignat-Balaci, E. Szilagyi, and D. Petreuș, "Day-Ahead Scheduling, Simulation, and Real-Time Control of an Islanded Microgrid," *Adv. Electr. Comp. Eng.*, vol. 21, no. 4, Art. no. 4, Nov. 2021, doi: 10.4316/AECE.2021.04010.

ii. Articole publicate la conferințe indexate WOS

- E. Lazar, A. Ignat, D. Petreus, and R. Etz, "Energy Management for an Islanded Microgrid Based on Harmony Search Algorithm," in *2018 41st International Spring Seminar on Electronics Technology (ISSE)*, May 2018, pp. 1–6. doi: 10.1109/ISSE.2018.8443673.
- A. Ignat, E. Lazar, and D. Petreus, "Energy Management for an Islanded Microgrid Based on Particle Swarm Optimization," in *2018 IEEE 24th International Symposium for Design and Technology in Electronic Packaging (SIITME)*, Oct. 2018, pp. 213–216. doi: 10.1109/SIITME.2018.8599272.
- A. Ignat, D. Petreuș, and E. Lazar, "Cost Optimization and Day-Ahead Scheduling for a Renewable Energy Microgrid," in *2019 42nd International Spring Seminar on Electronics Technology (ISSE)*, May 2019, pp. 1–6. doi: 10.1109/ISSE.2019.8810290.
- A. Ignat, E. Lazar, and D. Petreuș, "Real-Time Scheduling for an Islanded Microgrid," in *2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME)*, Oct. 2019, pp. 351–354. doi: 10.1109/SIITME47687.2019.8990861.
- A. Ignat, E. Szilagyi, and D. Petreuș, "Renewable Energy Microgrid Model using MATLAB — Simulink," in *2020 43rd International Spring Seminar on Electronics Technology (ISSE)*, May 2020, pp. 1–6. doi: 10.1109/ISSE49702.2020.9120923.
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b) Teză de doctorat

„Microrețele inteligente. Dezvoltare aplicații management"
Conducător științific: Prof.dr.ing. Dorin Petreuș
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