

LISTA DE LUCRĂRI

ORCID: 0000-0002-2313-5827

A. Teza de Doctorat

[A1] **Dacian I. Jurj**: „Intelligent Custom Outlier Detection for Electrical Energy Consumption Data Applied in Case of Demand Response in Block of Buildings ” conducător științific *Prof.dr.ing.mat.*. Dan Doru Micu, Facultatea de Inginerie Electrică, Universitatea Tehnică din Cluj-Napoca, susținută în Decembrie 2020.

B. Lucrări publicate în reviste ISI

[B1] **Jurj, D.I.**; Czumbil, L.; Bârgăuan, B.; Ceclan, A.; Polycarpou, A.; Micu, D.D. Custom Outlier Detection for Electrical Energy Consumption Data Applied in Case of Demand Response in Block of Buildings. *Sensors* 2021, 21, 2946. <https://doi.org/10.3390/s21092946>

C. Lucrări științifice indexate ISI Proceedings

[C1] A. Mureșan, O. Fati, L. Czumbil, A. Ceclan, **Dacian.I. Jurj**, R. Rizzo & D.D. Micu: „A Practical Approach to Mitigate the Harmonic Distorsion in a Microgrid, Case Study”, *20th International Conference on Harmonics and Quality of Power, (ICHQP)*, ISBN: 978-1-6654-1639-9, Naples, Italy, May 29 – June 01, 2022. DOI: [10.1109/ICHQP53011.2022.9808785](https://doi.org/10.1109/ICHQP53011.2022.9808785) WOS:000844604500106

[C2] D. Șteț, L. Czumbil, A. Ceclan, Ș. Cîrstea, A. Mureșan, **Dacian I. Jurj**, C. Mureșan, T. Farkas, L. Dărăbant, M. Crețu, D.D. Micu & G.K. Papagiannis: „Educational and Training Program to Increase SME's Energy Efficiency Skills”, *56th International Universities Power Engineering Conference (UPEC)*, ISBN: 978-1-6654-4389-0, Middlesbrough, UK, August 31-September 3, 2021. DOI: [10.1109/UPEC50034.2021.9548263](https://doi.org/10.1109/UPEC50034.2021.9548263) WOS:000723608400112

[C3] A. G. Berciu, E. H. Dulf, **D. I. Jurj**, L. Czumbil și D. D. Micu, „Energy Pulse: competitive and accessible application for monitoring electricity consumption,” în *16th International Conference Dynamical Systems Theory and Applications*, Online, 2021.

[C4] **D. I. Jurj**, D. D. Micu, L. Czumbil, A. G. Berciu, M. Lancrajan and D. M. Bărar, "Analysis of Data Cleaning Techniques for Electrical Energy Consumption of a Public Building," *2020 55th International Universities Power Engineering Conference (UPEC)*, Turin, Italy, 2020, pp. 1-6, doi: 10.1109/UPEC49904.2020.9209781.

[C5] **D. I. Jurj**, A. Polycarpou, L. Czumbil, A. G. Berciu, M. Lancrajan, D. Barar și D. D. Micu, „Extended analysis of data cleaning for electrical energy consumption data of public buildings,” în *2020 Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MedPower)*, Online, 2020.

[C6] A. G. Berciu, **D. Jurj**, L. Czumbil, D. D. Micu și E. H. Dulf, „Energy Pulse - the efficient solution for monitoring electricity consumption from decentralized data sets,” în *Modern Power Systems 2021*, Cluj-Napoca, Romania, 2021.

D. Lucrări științifice indexate în Baze de Date Internaționale

[D1] Roxana-Valentina, Briscan & Denisa, Șteț & Levente, Czumbil & Ștefan, Cîrstea & **Jurj Dacian** & Alexandru, Mureșan, „Empowering Energy Professionals: A Novel Educational and Training Program on Energy Transition Audits and Decarbonization” 400-405. 10.1109/EPEi63510.2024.10758039, **2024**.

[D2] **Dacian I. Jurj**, D. D. Micu, A. G. Berciu, M. Lancrajan, L. Czumbil, A. Bende, B. A. Mitache, A. Mureșan, Extended Applied Data Cleaning Methods in Outlier Detection for Residential Consumer, *Carpathian Journal of Electrical Engineering*, vol. 17, no. 1, pp. 21-31, **2023**.

[D3] **Dacian I. Jurj**, A.G. Berciu, A. Mureșan, M. Lăncrăjan, L. Czumbil & D.D. Micu: „Applied Data Cleaning Methods in Outlier Detection for Residential Consumer”, *10th International Conference on Modern Power Systems (MPS 2023)*, ISBN: 979-8-3503-2682-6, Cluj-Napoca, Romania, June 21-23, 2023. DOI: [10.1109/MPS58874.2023.10187569](https://doi.org/10.1109/MPS58874.2023.10187569) (IEEEExplore)

[D4] **Dacian I. Jurj**, D. D. Micu and A. Muresan, "Overview of Electrical Energy Forecasting Methods and Models in Renewable Energy," *2018 International Conference and Exposition on Electrical And Power Engineering (EPE)*, Iasi, Romania, **2018**, pp. 0087-0090, doi: 10.1109/ICEPE.2018.8559807.

[D5] M. Alexandru, D. D. Micu, **Dacian I. Jurj** and R. Andolfato, "Overview on computational methods of Gas Insulated Substation grounding gridanalysis," *2018 International Conference and Exposition on Electrical And Power Engineering (EPE)*, Iasi, Romania, **2018**, pp. 0081-0086, doi: 10.1109/ICEPE.2018.8559872.

[D6] M. N. Lancranjan, **Dacian I. Jurj**, D. D. Micu, A. Polycarpou, A. Mureșan, și A. Berciu,
"Overview of Load Disaggregation Models and Methods and Hardware," UPEC 2024

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