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SCIENTIFIC PUBLICATIONS

- **18** - International Research Projects (Director at **8** Horizon 2020)
- **16** – National Research Projects (Director at **7** national projects)
- **11** - Scientific books published in publishing houses with prestige (**7** first author)
- **5** - Book chapters published in an international publishing house
- **1** – Editor to a book published in an international publishing house
- **315** - Scientific papers published:
 - **113** - ISI Thomson Journals/ Wos ISI Proceedings
 - **56** – Scopus
 - **146** - indexed in other data bases or published in Romanian B+Journals

PhD Thesis

Remarks upon the influence on high voltage lines on buried metallic pipelines, Technical University of Cluj-Napoca, OM no. 3876/19.05.2004

Habilitation thesis

Development of advanced analysis methods and numerical modeling dedicated tools applied in electrical engineering, Technical University of Cluj-Napoca, O.M. no. 623/6.11.2014

Research Projects

	RESEARCH PROJECTS OBTAINED THROUGH INTERNATIONAL COMPETITIONS	Project type
1	2	3
1.	Smart Grid-Efficient Interactive Buildings, GA-No. 101123238/2023– EVELIXIA, 2023-2026 Director: Prof. Dan D. Micu	HORIZON-CL5-2022-D4-02
2.	Holistic Green Airport, 2021-2026 101036871 – OLGA, www.olga-project.eu Director: Prof. Dan D. Micu	HORIZON: H2020-LC-GD-5-1-2020
3.	Renewable Cogeneration and Storage Technologies Integration for energy Autonomous Buildings, 2019-2022 815301-RE-COGNITION, www.re-cognition-project.eu Director: Prof. Dan D. Micu	HORIZON: H2020-LC-SC3-2018-2019-2020/H2020-LC-SC3-2018-
4.	Generate Energy Efficient Acting and Results at Small & Medium Enterprises - 894356 - GEAR at SME, 2020-2023 https://gearatsme.eu Director: Prof. Dan D. Micu	HORIZON: H2020-LC-SC3-EE-2019
5.	A holistic framework for Empowering SME's capacity to increase their energy efficiency, 2019-2022 847132-SMEmPower Efficiency, www.smempower.com Director: Prof. Dan D. Micu	HORIZON: H2020-LC-SC3-2018-2019-2020/H2020-LC-SC3-EE-2018
6.	Demand Response in Blocks of Buildings 696114 - DR-BOB, 2016-2019, https://cordis.europa.eu/project/id/696114 Director: Prof. Dan D. Micu	HORIZON: H2020-EE-2014-2015/H2020-EE-2015-2-RIA
7.	Meeting the Energy Professionals Skills 649773 – MENS, 2015-2017, https://cordis.europa.eu/project/id/649773 Director: Prof. Dan D. Micu	HORIZON: H2020-EE-2014-2015/H2020-EE-2014-3-MarketUptake

8.	Enhancing the Transfer of Research and Development Methods in Energy-related Clusters from Norway to Romania EmPower Efficiency, 2016-2017 Director: Prof. Dan D. Micu	EEA and Norway grants 28.407/26.05.2017 MarketUptake
9.	Renewable ENergy-based Positive Homes RENplusHOMES, 2023-2026, https://renplushomes.eu/ Director: Dr. Mihaela Cretu	HORIZON-CL5-2022-D4-01-02
10.	Sun coupled innovative Heat pumps SUNHorizon, 2021-2023, https://sunhorizon-project.eu/ Director: Dr. Levente Czumbil	HORIZON: H2020-LC-SC3-2018-RES
11.	Energy Transition audits towards decarbonization, 2022-2025, 101076424/2022 – EnTRAINER Director: Dr. Denisa Stet	HORIZON: LIFE-2021-CET-AUDITS
12.	Design and development of an Energy Efficiency Management and Control System with cost-effective solutions for residential and educational buildings - 332783/2021-2022– DOITSMARTER Director: Dr. Andrei Ceclan	EEA and Norway grants
13.	Empowering energy efficiency awareness through a holistic educational approach – 2022-2023/346660 ENERGEIA Director: Dr. Denisa Stet	EEA and Norway grants
14.	SupportinG incReasEd knowlEdge oN rENewable eneRgy and energy efficiency – 2022-2023/346649 - GREENER Director: Dr. Mihaela Cretu	EEA and Norway grants
15.	New analysis methods and simulation software for electromagnetic interference effects between high voltage power lines and underground metallic pipelines, 2001-2003 Director: Prof. Vasile Topa	BILA 2001/37
16.	Study of unbalanced systems under non-sinusoidal regime, 1998-2000 Director: Prof. Mircea Chindris	World Bank International Project, 1998/472

	RESEARCH PROJECTS OBTAINED THROUGH NATIONAL COMPETITIONS	Project type
1	2	3
1.	Modeling, prediction and design solutions, with maximum effectiveness, for reducing the impact of stray currents on underground metallic gas pipelines, 2010-2013. Director: Director: Prof. Dan D. Micu	CNCSIS TE 34/09.08.2010
2.	Optimized construction of electromagnetic devices based on electromagnetic field synthesis in inaccessible heterogeneous environments 2007-2008. Director: Director: Prof. Dan D. Micu	CNCSIS AT_224
3.	The impact of electromagnetic fields on anthropic ecosystems – ICEMECOS Director: Prof. Dr. Ing. Dan Doru Micu	CEEX, nr. X2C37/2006
4.	Pachet intergrat de surse regenerabile pentru cladiri autonome Contract 44 -11/01/2021 Director: Prof. Dan D. Micu	PN-III-P3-3.6-H2020-2020-0121
5.	Cadru holistic pentru cresterea eficientei energetice in IMM-uri Contract 42 din 11/01/2021 Director: Prof. Dan D. Micu	PN-III-P3-3.6-H2020-2020-0121
6.	Theoretical and experimental research on the behavior of insulating materials in order to develop diagnostic studies and intelligent prediction procedures – MATELIZ, Project Manager: prof.dr. ing. Doina Gavrilă (Politehnica University of Bucharest);	CEEX, nr. 6856/2006
7.	Active and intelligent prediction and diagnostics procedures for building with a reinforced structures placed in a complex polluted environment – DIRECTOR, Project Manager: prof.dr. ing. Dorin Isoc (UTCN);	CEEX, nr. 136/2006
8.	The influence of electromagnetic fields on operational stability and performance of combustion installations, Project Manager: prof.dr. ing. Emil Simion (UTCN);	CNCSIS nr. 1279/2006
9.	Mathematical model to study the influence of AC electromagnetic pollution of underground metal gas pipelines, with or without a cathodic protection system, placed in the vicinity of transformer substations. Project Manager: prof. dr. ing. Emil Simion;	PN-II-ID-PCE-2007-1, nr. ID_1024
10.	Intelligent diagnosis and prediction system for preventing power cable damages – CABDIAG, Project Manager: ing. Carmen Lingvay (ICPE-CA Bucuresti)	PN-II-Nr. 22122/2008

17.	Microwave technologies used to improve the quality of sored agricultural seeds Project Manager: conf. dr. ing. Darie Soproni (University of Oradea)	PN-II nr. 51-082/2007
18.	3D Software to model the electromagnetic interference phenomena between high voltage power lines and underground metallic pipelines, under quasi-harmonic conditions, Phase II 2002: Development of a dedicated generalized mathematical model, Project Manager: prof. dr. ing. Vasile Țopa (UTCN).	CNCSIS nr. 33531/2002
19.	Prediction and analysis of electromagnetic interference phenomena created by electrified railway traction systems, Project Manager: prof.dr. ing. Emil Simion (UTCN), 2002-2003.	CNCSIS nr. 34970/2001
20.	Development and implementation of numerical methods for calculating the electrokinetic regime produced by eddy currents in dissipative heterogeneous environments, Project Manager: prof.dr. ing. Emil Simion, Phase II-III 2002-2003, (UTCN).	ANSTI nr. GR. 6113/2002

A. Published Books and Book Chapters

[A1] C. Levente, **Dan D. Micu**, D. Șteț, L. Ancas, *Tehnici de inteligenta artificiala pentru analiza, modelarea si predictia fenomenelor de interferenta electromagnetica*, Ed. UTPress, 978-606-737-563-3, **2022**.

[A2] Denisa Șteț, Levente Czumbil, **Dan D. Micu**, *Evaluation of Electromagnetic Interferences Affecting Metallic Pipelines*, Ed. Intech, ISBN: 978-1-83768-000-9, Ch. 3, **2022** DOI: 10.5772/intechopen.108811.

[A3] L. Czumbil, A. Ceclan, **Dan D. Micu**, "Advanced Numerical Methods Based on Artificial Intelligence", in *Numerical Methods for Energy Applications* ISBN: 978-3-030-62190-2, Ch. 4, Publisher Springer International Publishing, **2021**, DOI: 10.1007/978-3-030-62191-9.

[A4] Dan D. Micu, Editor at "*Simulation and Analysis of High Voltage Engineering in Power Systems*", 2022, ISBN 978-3-0365-4366-6, MDPI Energies, Basel, Switzerland.

[A5] A. Ceclan, L. Czumbil, **Dan D. Micu**, "Ill-Posed Inverse Problems in Electrical Engineering Applications" in *Numerical Methods for Energy Applications* ISBN: 978-3-030-62190-2, Ch. 9, Publisher Springer International Publishing, **2021**, DOI: 10.1007/978-3-030-62191-9.

[A6] H. Andrei, **Dan D. Micu**, M. Gaiceanu, M. Stanculescu, P. Andrei, "Advanced Numerical Methods for Equations, Systems Equations and Optimization" in *Numerical Methods for Energy Applications* ISBN: 978-3-030-62190-2, Ch. 1, Publisher Springer International Publishing, **2021**, DOI: 10.1007/978-3-030-62191-9.

[A7] D. Șteț, **Dan D. Micu**, L. Czumbil, *Analiza, Modelarea și Predicția Fenomenelor de Interferență Electromagnetică dintre Liniile Electrice de Înaltă Tensiune și Structurile Metalice Învecinate. Complemente de Matematici*, Ed. Mediamira, ISBN: 978-973-713-336-6, Cluj-Napoca, Romania, **2016**.

[A8] **Dan D. Micu**, L. Dărăbant, D. Șteț, M. Crețu, A. Ceclan, L. Czumbil: *Teoria Circuitelor Electrice. Probleme*, Ed. U.T. Press, ISBN: 978-606-737-140-6, Cluj-Napoca, Romania, **2016**.

[A9] **Dan D. Micu**, G.C. Christoforidis & L. Czumbil: „Artificial Intelligence Techniques Applied to Electromagnetic Interference Problems Between Power Lines and Metal Pipelines” in *Recurrent Neural Networks and Soft Computing*, Ed. InTech, ISBN: 978-953-51-0409-4, Ch. 12, pp. 253-274, Rijeka, Croatia, **2012**. Doi: 10.5772/37637.

[A10] **Dan D. Micu**, A. Ceclan, L. Czumbil & D. Csala: *Numerical Methods*, Ed. Mediamira, ISBN: 978-973-713-278-9, Romania, **2010**.

[A11] **Dan D. Micu**, A. Ceclan, *Metode numerice. Aplicații în ingineria electrică*, Ed. Mediamira, ISBN 978-973-713-140-9, **2007**.

[A12] **Dan D. Micu**, E. Simion, L. Cret, I. Lingvay, Carmen Lingvay, Capitol 3: Impactul câmpurilor electromagnetice asupra conductelor metalice subterane, în cartea *Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor*, Editura PRINTECH, ISBN 978-973-718-912-7, **2007**.

[A13] **Dan D. Micu**, Iosif Lingvay, Emil Simion, *Modelarea și predicția fenomenelor de interferență în regim electrocinetic*, Editura ELECTRA, ISBN 978-973-77728-73-9, **2006**.

[A14] **Dan D. Micu**, L. Creț, D. Duma, *Teoria circuitelor electrice. Culegere de probleme*, Ed. UTPres, ISBN 973-662-184-7, **2005**.

[A15] **Dan D. Micu**, *Metode numerice in interferente electromagnetice*, Ed. Mediamira, ISBN 973-713-032-4, **2004**.

[A16] **Dan D. Micu**, A. Cziker, *Aplicatii ale metodelor numerice in electrotehnica*, Ed. CCS, ISBN 973-686-317-4, **2002**.

[A17] M. Chindris, A. Cziker, **Dan D. Micu**, *Aplicatii de management al calitatii energiei electrice*, Ed. Mediamira, ISBN 973-9358-14-4, **2000**.

B. Papers published in ISI Thomson-Reuters Journals/ WoS ISI Proceedings

[B1] Y. Li, S. Su, M. Zhang, Q. Liu, X. Nie, M. Xia, **Dan D. Micu**, "Multi-Agent Graph Reinforcement Learning Method for Electric Vehicle on-Route Charging Guidance in Coupled Transportation Electrification", *IEEE Transactions on Sustainable Energy*, 99(13), **2023**, DOI: 10.1109/TSTE.2023.3330842

[B2] C. Bartha, A. Tokos, M. Jipa, A. Caramitu, A. Voina, , **Dan D. Micu**, I. Lingvay, „Saving Energy in Biological Wastewater Treatment by Using Extremely Low-Frequency Electric Field-Pilot-Scale Study”, *Sustainability*, 15(15), 11670, **2023**, DOI: 10.3390/su151511670.

[B3] A. Iancu, P. Hendrick, **Dan D. Micu**, A. Cote, „Pandemic-Induced Shifts in Climate Change Perception and Energy Consumption Behaviors: A Cross-Country Analysis of Belgium, Italy, Romania, and Sweden”, *Sustainability*, 15(20), 14679, **2023**, DOI: 10.3390/su152014679.

[B4] A. Iancu, P. Hendrick, **Dan D. Micu**, S. Cirstea, „The Demand for Energy Imports from Non-Renewable Resources in EU-27 Economy”, *Energies*, 16(13), 5177, **2023**, DOI: 10.3390/en16135177.

[B5] A. Iancu, P. Hendrick, **Dan D. Micu**, D. Stet, L. Czumbil, S. Cirstea, „The Influence of Cultural Factors on Choosing Low-Emission Passenger Cars”, *Sustainability*, 15(8), 6848, **2023**, DOI: 10.3390/su15086848.

[B6] A. Berciu, E. Dulf, **Dan D. Micu**, „Improving the Efficiency of Electricity Consumption by Applying Real-Time Fuzzy and Fractional Control”, *Mathematics*, 10(20), 3807, **2022**. DOI:10.3390/math10203807, WOS:000872979400001.

[B7] I. Kereszy, V. Rakov, L. Czumbil, A. Muresan, Z. Ding, **Dan D. Micu**, V. Cooray, „Energetic Radiation from Subsequent-Stroke Leaders: The Role of Reduced Air Density in Decayed Lightning Channels”, *Applied Sciences - Physics*, 12(15), 7520, **2022**. DOI:10.3390/app12157520, WOS:000840158700001.

[B8] C. Cristea, M. Cristea, **Dan D. Micu** , A. Ceclan, R. Tîrnovan, F. Serban, „Tridimensional Sustainability and Feasibility Assessment of Grid-Connected Solar Photovoltaic Systems Applied for the Technical University of Cluj-Napoca”, *Sustainability*, 14(17), 10892, **2022**, DOI:10.3390/su141710892, WOS:000851697100001.

[B9] C. Bartha, M. Jipa, A. Caramitu, A. Voina, A. Tokos, **Dan D. Micu**, I. Lingvay, „Behavior of Microorganisms from Wastewater Treatments in Extremely Low-Frequency Electric Field”, *Biointerface Research in Applied Chemistry*, 12(4), pp.5071-5080, **2022**, DOI:10.33263/BRIAC124.50715080, WOS:000710177100054.

[B10] A. Mureşan, L. Czumbil, A. Polycarpou, H. Nouri, R. Andolfato, **Dan D. Micu**: „Mitigation of Transient Ground Potential Rise in Gas Insulated Substations during Very Fast Transient Overvoltage”, *Electric Power Systems Research*, vol. 207, 107824, ISSN: 0378-7796, **2022**. DOI: 10.1016/j.epsr.2022.107824, WOS: 000650782200001.

[B11] T. Farkas, P. Ungureşan, M. Creţu; D. Şteţ, L. Czumbil, A. Ceclan, C. Mureşan, A. Polycarpou, **Dan D. Micu**: „Hybrid Energy System Analysis for a Swimming Pool Complex using HOMER Pro”, *57th International Universities Power Engineering Conference (UPEC)*, ISBN: 978-1-6654-5505-3, Istanbul, Turkey, August 30 – September 2, **2022**. DOI: 10.1109/UPEC55022.2022.9917941, WOS:000886926200101

[B12] C. Mureşan, L. Dărăbant, D. Şteţ, L. Czumbil, A. Ceclan, T. Farkas, A. Polycarpou, **Dan D. Micu**: „The Impact Assessment of an Energy Efficiency Focused Course Implementation in Electrical Engineering Undergraduate Students Curricula”, *57th International Universities Power Engineering Conference (UPEC)*, ISBN: 978-1-6654-5505-3, Istanbul, Turkey, August 30 – September 2, **2022**. DOI: 10.1109/UPEC55022.2022.9917924 WOS: 000886926200095

[B13] A. Muresan, O. Fati, L. Czumbil, A. Ceclan, D. I. Jurj, R. Rizzo, **Dan D. Micu**, „A Practical Approach to Mitigate the Harmonic Distorsion in a Microgrid, Case Study”, *20th International Conference on Harmonics & Quality of Power (ICHQP)*, Naples, Italy 29 May - 01 June **2022**. DOI: 10.1109/ICHQP53011.2022.9808785, WOS:000844604500106.

[B14] D. Jurj, L. Czumbil, B. Bârgăuan, A. Ceclan, A. Polycarpou, **Dan D. Micu**, „Custom Outlier Detection for Electrical Energy Consumption Data Applied in Case of Demand Response in Block of Buildings”, *Sensors* **2021**, 21(9), 2946. DOI:10.3390/s21092946, WOS:000650782200001.

[B15] Risteiu, M, Dobra, R, Avram, A, Samoila, F, Buica, G, Rizzo, R, **Dan D. Micu**, „Designing a Smart Gateway for Data Fusion Implementation in a Distributed Electronic System Used in Automotive Industry”, *Energies*, 14(11), 3300, **2021**. DOI:10.3390/en14113300, WOS:000659814700001.

[B16] C.M. Mureşan, P. Mureşan, **Dan D. Micu**, A. Ceclan, L. Czumbil, O.S. Mintaşan: „Optimization of Electricity Power Losses using Smart Metering Systems in Romania”, *9th International Conference on Modern Power Systems (MPS)*, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, **2021**. DOI: 10.1109/MPS52805.2021.9492712, WOS:000941563300107

[B17] T. Farkas, L. Czumbil, M. Creţu, L. Dărăbant, D. Şteţ, A. Ceclan, A. Polycarpou, **Dan D. Micu**: „Assessment of the Romanian Pilot Site Energy Consumption Indicators and Technical Prerequisites in the Implementation of the RE-COGNITION Horizon Project”, *9th International*

Conference on Modern Power Systems (MPS), ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, **2021**. DOI: 10.1109/MPS52805.2021.9492686; WOS:000676164800164

[B18] A.G. Berciu, D. Jurj, L. Czumbil, **Dan D. Micu**, E.H. Dulf: „Energy Pulse – the Efficient Solution for Monitoring Electricity Consumption from Decentralized Data Sets”, *9th International Conference on Modern Power Systems (MPS)*, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, **2021**. DOI: 10.1109/MPS52805.2021.9492626, WOS:000941563300056

[B19] A. Tókos, **Dan D. Micu**, A. Caramitu, I. Nascu, C. Bartha, M. Jipa, D. Marin, I. Lingvay, „Long-term Energy Analysis of a Wastewater Treatment Plant with Biogas Production-Case Analysis”, *9th International Conference on Modern Power Systems (MPS)*, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, **2021**. DOI:10.1109/MPS52805.2021.9492535, WOS:000941563300007.

[B20] C. Bartha, A. Tókos; **Dan D. Micu**, M. Jipa, D. Marin, A. Caramitu, A. Voina, I. Nascu, I. Lingvay, „Power Quality Evaluation in Autonomous Wastewater Treatment Plant”, *9th International Conference on Modern Power Systems (MPS)*, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, **2021**. DOI: 10.1109/MPS52805.2021.9492591, WOS:000941563300034.

[B21] A. Tókos, C. Bartha, **Dan D. Micu**, M. Jipa, I. Nascu, I. Lingvay, „Energy Consumption in Wastewater Treatment Plants”, *9th International Conference on Modern Power Systems (MPS)*, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, **2021**. DOI: 10.1109/MPS52805.2021.9492616, WOS:000941563300050.

[B22] V. Toader, O. Ciogescu, A. Mihai, A. Borș, **Dan D. Micu**, I. Lingvay, „Protection of power systems by earthquake warning based on local assessment of seismic events”, *9th International Conference on Modern Power Systems (MPS)*, ISBN: 978-1-6654-3382-2, Cluj-Napoca, Romania, June 16-17, **2021**. DOI: 10.1109/MPS52805.2021.9492581, WOS:000941563300028

[B23] M. Cretu, L. Darabant, L. Czumbil, A. Ceclan, D. Stet, **Dan D. Micu**, „Demonstration Scenarios for Renewable Energy Technologies Integration in Different Pilots' Sites within the RE-COGNITION Project”, *International Symposium on Advanced Topics in Electrical Engineering*, March 25-27 **2021**, Bucharest. DOI:10.1109/ATEE52255.2021.9425338, WOS:000676164800164.

[B24] D. Șteț, L. Czumbil, A. Ceclan, Ș. Cîrstea, A. Mureșan, D. Jurj, C. Mureșan, T. Farkas, L. Dărăbant, M. Crețu, **Dan D. Micu**, G.K. Papagiannis: „Educational and Training Program to Increase SME's Energy Efficiency Skills”, *56th International Universities Power Engineering Conference (UPEC 2021)*, ISBN: 978-1-6654-4389-0, Middlesbrough, UK, August 31-September 3, **2021**. DOI: 10.1109/UPEC50034.2021.9548263, WOS: 000723608400112

[B25] A. Tokos, C. Bartha, M. Jipa, **Dan D. Micu**, A. Caramitu, I. Lingvay, „Interactions of Extremely Low-Frequency Electric Field with the Active Sludge Live Materia from Wastewater Treatments”, *International Symposium on Advanced Topics in Electrical Engineering*, March 25-27 **2021**, Bucharest. DOI:10.1109/ATEE52255.2021.9425187, WOS:000676164800078.

[B26] M. Cretu; L. Czumbil, B. Bargauan, A. Ceclan, A. Berciu, A. Polycarpou, R. Rizzo, **Dan D. Micu**: “Modelling and evaluation of the Baseline Energy Consumption and the Key Performance Indicators in Technical University of Cluj-Napoca buildings within a Demand Response programme: a case study”, *IET Renewable Power Generation*, 14(15), pp 2864-2875, **2020**, DOI: 10.1049/iet-rpg.2020.0096, WOS:000599951400010.

[B27] C. Darab, A. Turcu, H. Beleiu, S. Pavel, I. Birou, **Dan D. Micu**, „Hybrid load forecasting using gaussian process regression and novel residual prediction”, *Applied Sciences*, Volume 10, Issue 13, Article number 4588, **2020**, DOI: 10.3390/app10134588, WOS:000552300000001.

[B28] M. Alexandru, L. Czumbil, **Dan D. Micu**, R. Andolfato and Hassan Nouri “Investigating the Effect of Several Model Configurations on the Transient Response of Gas Insulated Substation During Fault Events Using an Electromagnetic Field Theory Approach”, *Energies*, 13, Art.no. 6231, **2020**, DOI:10.3390/en13236231, WOS:000597089900001.

[B29] M. Paunescu, F. Dragan, **Dan D. Micu**, A. Iusan, D. Paunescu, „Material distribution in electrical fuses using Arrhenius equations”, *Acta Technica Napocensis – Applied Mathematics, Mechanics and Engineering*, Volume63, Issue4, Page433-436, **2020**, WOS:000606612500013.

[B30] Dacian I. Jurj, **Dan D. Micu**, Levente Czumbil, Alexandru G. Berciu, Mircea Lancrajan, Denisa M. Bărar, „Analysis of Data Cleaning Techniques for Electrical Energy Consumption of a Public Building”, *55th International Universities' Power Engineering Conference, (UPEC)*, 1-4 Sept. **2020**, Torino, Italy, DOI: 10.1109/UPEC49904.2020.9209781, WOS:000627771000024.

[B31] A.M. Măgurean, L. Czumbil, D.L. Manea, **Dan D. Micu**: „Artificial Intelligence based Prediction Model for the Long-Term Heat Flux Losses through Ground Applied to Large Non-Residential Buildings”, *Procedia Manufacturing*, ISSN: 2351-9789, vol. 32, pp. 434-441, **2019**, DOI: 10.1016/j.promfg.2019.02.237

[B32] Ş.F. Braicu, L. Czumbil, D. Şteţ, **Dan D. Micu**, A. Ceclan, A. Mureşan, A. Polycarpou & E. Simion: „Interferences in High Voltage AC Power Line and Electric Railway Common Right-of-Way”, *8th International Conference on Modern Power Systems (MPS)*, eISBN: 978-1-7281-0750-9, Cluj-Napoca, Romania, May 21-23, **2019**. WOS:000612401900115

[B33] M. Creţu, A. Ceclan, L. Czumbil, D. Şteţ, B. Bârgăuan & **Dan D. Micu**: „Key Performance Indicators (KPIs) for the Evaluation of the Demand Response in the Technical University of Cluj-

Napoca Buildings”, *8th International Conference on Modern Power Systems (MPS)*, eISBN: 978-1-7281-0750-9, May 21-23, **2019**. WOS:000612401900138

[B34] M. Cretu, L. Czumbil, B. Bârgăuan, D. Şteţ, A. Ceclan, A. Polycarpou, R. Rizzo, **Dan D. Micu**, “Modelling and Forecasting Energy Demand in TUCN Buildings”, *International Conference on Clean Electrical Power (ICCEP)*, 2-4 July **2019**, Otranto, Italy, WOS:000620331100038

[B35] A.M. Măgurean, L. Czumbil, **Dan D. Micu**, “Artificial Intelligence Eased Method for the Long-Term Heat Losses Calculation Applied to Large Slabs On Ground”, *International Conference on Clean Electrical Power (ICCEP)*, 2-4 July **2019**, Otranto, Italy, WOS:000620331100077

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