

Universitatea Tehnică din Cluj-Napoca

Domeniul de master:

Facultatea:

Programul de studii:

Centralizator personal didactic

TABEL PRIVIND INDEPLINIREA INDICATORULUI

„Cadrele didactice titulare* au pregătirea inițială, sunt doctori / doctoranzi și cercetează în domeniul în care se includ disciplinele din postul ocupat.”

Nr. crt.	Gradul didactic, numele și prenumele titularului vârsta / vechimea în învățământul superior	Disciplinele din cadrul programului de studii incluse în postul didactic și tipul activității desfășurate (curs, seminar, lucrări, proiect)	Competența cadrului didactic titular în disciplinele din postul didactic			Constatări privind îndeplinirea indicatorului
			Universitatea/ facultatea/ specializarea absolvită	Specializarea la masterat/ doctorat	Numărul de cărți, numărul de lucrări științifice, numărul de brevete în domeniul disciplinelor din postul didactic ** conform listelor de lucrări	
1.	Prof. dr. ing. mat. Dan Doru Micu 51 / 27	Complemente de matematici aplicate în inginerie electrică, curs si seminar	Universitatea Tehnică din Cluj / Facultatea de Electrotehnică / Energetica Industriala	Doctorat în Inginerie Electrica	teza (A); 7 cărți (B1-B7); 113 lucrări indexate ISI/BDI (C4-C26, C28-C42, C88-C96);	îndeplinit
2.						
3.						
4.						
5.						

* Din statul de funcții cumulativ al tuturor disciplinelor și tuturor activităților didactice desfășurate în cadrul programului de studii evaluat.

** Se indică numărul pe următoarele tipuri de lucrări: A – teza de doctorat B – Cărți și capitole în cărți publicate în ultimii XX ani C – Lucrări indexate ISI/BDI publicate în ultimii XX ani	D – Lucrări publicate în ultimii XX ani în reviste și volume de conferințe cu referenți (neindexate); pentru lucrările publicate în volume de conferințe se selectează de maximum 20 articole. E – Brevete acordate în întreaga activitate. Persoanele incluse în tabelul de mai sus anexează câte o listă de lucrări după modelul de mai jos.
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A – teza de doctorat

„Contribuții la studiul influenței liniilor de înaltă tensiune asupra conductelor tehnologice din sol”

Conducător științific : Prof.dr.ing. Mircea Chindris

Domeniul Inginerie Electrica

Universitatea Tehnică din Cluj-Napoca

Susținere publică: 28.02.2004

B – Cărți și capitole în cărți publicate în ultimii 10 ani

1. L. Czumbil, **Dan D. Micu**, D. Șteț, L. Ancas, Tehnici de inteligența artificială pentru analiza, modelarea și predicția fenomenelor de interferență electromagnetică, Ed. UTPress, 978-606-737-563-3, 2022.
2. 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.
3. 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.
4. 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.
5. 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.
6. **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.
7. 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. Elemente de Matematici, Ed. Mediamira, ISBN: 978-973-713-336-6, Cluj-Napoca, Romania, 2016.
8. **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.

C – Lucrări indexate ISI/BDI publicate în ultimii 10 ani

Reviste cotate WOS

1. A. Magurean, **Dan D. Micu**, Calibrated Physics-Based Dynamic Energy Modelling of an Airport Terminal, *Buildings* **2026**, Volume 16, Issue 6, <https://doi.org/10.3390/buildings16061195>
2. N. Cobârzan, G. Thalmaier, M. Cretu, M. Nasui, **Dan D. Micu**: Properties of n-Octadecane PCM Composite with Recycled Aluminum as a Thermal Enhancer, *Materials*, **2025**, Volume18, Issue24, DOI10.3390/ma18245638

3. T. Farkas, P. Unguresan, A. Ceclan, **Dan D. Micu**: Stakeholder Perspectives on District Heating and Cooling for Climate-Neutral and Smart Cities: A Romanian Analysis, *Sustainability*, **2025**, IF 3.9 Volume 17, Issue 9, DOI 10.3390/su17093889
4. L. Meng, H Wang, S. Lu, Z. Yang, Z. Chen, H. Bevrani, S. Rehim, M. Xia, **Dan D. Micu**, F. Márquez, J. Yang: Wide-area damping control in renewable integrated power systems: A review on recent achievements and new challenges, *IET – Energy Conversion and Economics*, **2025**, Volume 6, Issue 6, Page341-358, ISSN 2634-1581, DOI10.1049/enc2.70027
5. 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*, IF 8.6, 15(2), **2024**, DOI: 10.1109/TSTE.2023.3330842.
6. T. Oarga, G. Prunean, B. Varga, D. Moldovanu, **Dan D. Micu**, „Comparative Analysis of Energy Efficiency between Battery Electric Buses and Modular Autonomous Vehicles”, *Applied Sciences*, IF 2.5, 14(11), **2024**, DOI: 10.3390/app14114389.
7. 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*, IF 3.9, 15(15), 11670, **2023**, DOI: 10.3390/su151511670.
8. 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*, IF 3.9, 15(20), 14679, **2023**, DOI: 10.3390/su152014679.
9. Iancu, P. Hendrick, **Dan D. Micu**, S. Cirstea, „The Demand for Energy Imports from Non-Renewable Resources in EU-27 Economy”, *Energies*, IF 3.2, 16(13), 5177, **2023**, DOI: 10.3390/en16135177.
10. Iancu, P. Hendrick, **Dan D. Micu**, D. Stet, L. Czumbil, S. Cirstea, „The Influence of Cultural Factors on Choosing Low-Emission Passenger Cars”, *Sustainability*, IF 3.9, 15(8), 6848, **2023**, DOI: 10.3390/su15086848.
11. Berciu, E. Dulf, **Dan D. Micu**, „Improving the Efficiency of Electricity Consumption by Applying Real-Time Fuzzy and Fractional Control”, *Mathematics*, IF 2.3, 10(20), 3807, **2022**. DOI:10.3390/math10203807.
12. 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*, IF 2.7, 12(15), 7520, **2022**. DOI:10.3390/app12157520.
13. 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*, IF 3.9, 14(17), 10892, **2022**, DOI:10.3390/su141710892.
14. 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*, IF 2.7, 12(4), pp.5071-5080, **2022**, DOI10.33263/BRIAC124.50715080.

15. 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**, IF 3.4, 21(9), 2946. DOI:10.3390/s21092946.
16. 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*, IF 2.7, 14(11), 3300, **2021**. DOI:10.3390/en14113300.
17. 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*, IF 5.16, 14(15), pp 2864-2875, **2020**, DOI: 10.1049/iet-rpg.2020.0096.
18. 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*, IF 2.7, Volume 10, Issue 13, Article number 4588, **2020**, DOI: 10.3390/app10134588.
19. 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*, IF 2.3, 13, Art.no. 6231, **2020**, DOI:10.3390/en13236231.
20. 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*, IF 2.3, ISSN: 2351-9789, vol. 32, pp. 434-441, **2019**, DOI: 10.1016/j.promfg.2019.02.237
21. Y. Zhu, V. A. Rakov, M. D. Tran, W. Lyu, **Dan D. Micu**, ”A Modeling Study of Narrow Electric Field Signatures Produced by Lightning Strikes to Tall Towers”, *Journal of Geophysical Research: Atmospheres*, IF 7.3, Vol. 123/18, Pp. 10.260-10.277, **2018**, DOI:10.1029/2018JD028916.
22. M. Ruba, F. Jurca, L. Czumbil, **Dan D. Micu**, C. Marțiș, A. Polycarpou & R. Rizzo: „Synchronous Reluctance Machine Geometry Optimisation through a Genetic Algorithm based Technique”, *IET Electric Power Applications*, IF 3.1, ISSN: 1751-8660, vol. 12, no. 3, pp. 431-438, **2018**. DOI: [10.1049/iet-epa.2017.0455](https://doi.org/10.1049/iet-epa.2017.0455).
23. M.S. Munteanu, L. Czumbil, **Dan D. Micu**, Ș.F. Braicu, S. Nemeti & M. Pîslaru: „Measurement of Soil Resistivity in order to Determine the Buried Walls Trajectory”, *Advances in Electrical and Computer Engineering*, IF 0.7, ISSN: 1582-7445, vol. 17, no. 1, pp. 103-108, **2017**. DOI: [10.4316/AECE.2017.01015](https://doi.org/10.4316/AECE.2017.01015).

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24. A.G. Berciu, **Dan D. Micu**, E.H. Dulf: Artificial Intelligence in Human-Centric Sleep Monitoring, INTELLIGENT AND FUZZY SYSTEMS, INFUS **2025**, VOL 3 Page737-744, DOI10.1007/978-3-031-98565-2_79
25. G. Berciu, E. Dulf, D. Jurj, L. Czumbil, **Dan D. Micu**, „Energy Pulse: Competitive and Accessible Application for Monitoring Electricity Consumption”, *Springer Proceedings in Mathematics and Statistics*, pp. 107-117, **2024**, DOI: 10.1007/978-3-031-56492-5_8.

26. A.G. Berciu, T. Farkas, A. Ceclan, L. Czumbil, Ș. Ungureanu, **Dan D. Micu**, „Energy Efficiency: From Desire to an Integrated Management Solution”, *IEEE Conference on Technologies for Sustainability (SusTech)*, ISBN: 979-8-3503-9434-4, Portland, USA, April 14-17, **2024**, DOI: [10.1109/SusTech60925.2024.10553562](https://doi.org/10.1109/SusTech60925.2024.10553562).
27. Urda I., Ceclan A., **Dan D. Micu**, Munteanu Radu Adrian, Măgurean Ancuța Maria A., Farkas T.: What is the Focus in Achieving NetZeroCities in Eastern Europe and Where To? 2024 59th International Universities Power Engineering Conference, UPEC **2024**, <https://doi.org/10.1109/UPEC61344.2024.10892489>
28. Lancranjan M.N., Alexandru Muresan, Jurj Ioan Dacian, Berciu Alexandru - George, Polycarpou A., Czumbil Levente, **Dan D. Micu**: Overview of Load Disaggregation Models, Methods and Hardware. 2024 59th International Universities Power Engineering Conference, UPEC **2024**. <https://doi.org/10.1109/UPEC61344.2024.10892437>
29. Berciu A., **Dan D. Micu**, Dulf E. H., Enhancing Electricity Consumption Forecasting with Artificial Intelligence on Small Datasets: A Comparative Study. **2024** 18TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION, ROBOTICS AND VISION, ICARCV, 476-481. <https://doi.org/10.1109/ICARCV63323.2024.10821571>, WOS:001435120000078.
30. Farkas, T., Ceclan, A., Czumbil, L., **Dan D. Micu**, “Sustainable Future in a University Campus: A Comprehensive CO2 Emissions Analysis and Action Plan”, *2024 International Conference on Smart Energy Systems and Technologies: Driving the Advances for Future Electrification, SEST 2024* – Torino, Italy, 10 September - 12 September **2024**, DOI: 10.1109/SEST61601.2024.10694227.
31. Berciu, A.-G., **Dan D. Micu**, Dulf, E.-H., “Fuzzy Logic-Based Sleep Quality Index: Integrating Wearable Sensors and Artificial Intelligence for a Holistic Approach to Disease Prevention”, *4th IEEE International Conference on Electrical, Computer, and Energy Technologies, ICECET 2024*, Sydney, 25 July - 27 July **2024**, DOI: 10.1109/ICECET61485.2024.10698066.
32. T. Farkas, P. Ungureșan, M. Crețu; D. Șteț, L. Czumbil, A. Ceclan, C. Mureșan, 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](https://doi.org/10.1109/UPEC55022.2022.9917941), WOS:000886926200101
33. C. Mureșan, L. Dărbant, D. Șteț, 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](https://doi.org/10.1109/UPEC55022.2022.9917924) WOS: 000886926200095
34. 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.
35. C.M. Mureșan, P. Mureșan, **Dan D. Micu**, A. Ceclan, L. Czumbil, O.S. Mintășan: „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
36. T. Farkas, L. Czumbil, M. Crețu, L. Dărbant, D. Șteț, 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
37. 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

38. 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.
39. 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.
40. 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.
41. V. Toader, O. Ciogescu, A. Mihai, A. Borş, **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
42. 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.
43. Şteţ, L. Czumbil, A. Ceclan, Ş. Cîrstea, A. Mureşan, D. Jurj, C. Mureşan, T. Farkas, L. Dărbant, M. Creţu, **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
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45. 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.
46. 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.
47. 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
48. 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
49. 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
50. 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

51. Stet, L. Czumbil, **Dan D. Micu**, A. Polycarpou, A. Ceclan, M. Cretu, „Power Factor Correction Using EMTP-RV for Engineering Education”, *54th International Universities' Power Engineering Conference, (UPEC)*, 3-6 Sept. **2019**, WOS:000619338200021
52. M. Paunescu, F. Dragan, **Dan D. Micu**, „Propagation of harmonic disturbances in electrical network caused by the electrical circuit breaker”, *54th International Universities' Power Engineering Conference, (UPEC)*, 3-6 Sept. **2019**, WOS:000619338200149
53. M. Paunescu, **Dan D. Micu**, F. Dragan, V. Topa, „The Effect of Corrosion on Electrical Contacts”, *8th International Conference on Modern Power Systems (MPS)*, eISBN: 978-1-7281-0750-9, May 21-23, **2019**, DOI: 10.1109/MPS.2019.8759650, WOS: 000612401900001.
54. M. Paunescu, F. Dragan, **Dan D. Micu**, R. Iusan, „Numerical modelling of electrical contacts and thermal effect on them”, *54th International Universities' Power Engineering Conference, (UPEC)*, 3-6 Sept. **2019**, WOS:000619338200091
55. M. Paunescu, F. Dragan, **Dan D. Micu**, V. Topa, „Temperature monitoring system in automated circuit breakers”, *8th International Conference on Modern Power Systems (MPS)*, eISBN: 978-1-7281-0750-9, May 21-23, **2019**, DOI: 10.1109/MPS.2019.8759710, WOS: 000612401900060
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**D – Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate);
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E – Brevete acordate în întreaga activitate.

Cerere de brevet nr. 00229/3004.2024 din 30.04.2024: Unitate modulara pentru gestiunea resurselor energetice, Andrei Ceclan, **Dan D. Micu**, Levente Czumbil, Denisa Stet, Timea Farkas, Stefan Carstea, Lucian Mihet Lucian, Dorin Let, Valentin Voinica