

A N E X A 4 . 3

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Gradul didactic: Conferențiar

Instituția unde este titular: Univ. Tehnică din Cluj-Napoca

Facultatea: de Inginerie

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L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Studiul câmpului magnetic de scăpări în mașinile electrice rotative, conducător științific: Prof. dr. ing. Emil Micu, Universitatea Transilvania din Brasov, 11.12.2009

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

1. Șugar, I.R., **Chiver, O.**, Gaspar F., Giurgiulescu, L., **Automobile electrice** /Autovehicule rutiere: fabricarea aditivă, materiale, biocombustibili, automobile electrice, Editura Risoprint, Cluj-Napoca, **2023**, ISBN 978-973-53-3091-0, 218 pp.
2. Chiver Olivian, *Mașini electrice – Lucrări de laborator*, Editura U. T. Press, Cluj-Napoca, ISBN 978-606-737-359-2, **2019**.
3. Chiver Olivian, *Utilizarea energiei electrice*, Editura U. T. Press, Cluj-Napoca, ISBN 978-606-737-301-1, **2018**.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani **- ISI**

1. O Chiver, N Burnete, I R Șugar and L Neamt, Study on the efficiency of Battery Electric Vehicle, 2024 *IOP Conf. Ser.: Mater. Sci. Eng.* **1311** 012013, DOI 10.1088/1757-899X/1311/1/012013
2. Chiver, O., Sugar, I. R., & Neamt, L. (2024). Study on the Selection of Electric Motor/Engine on the Performance of Hybrid Vehicles. *Energies*, 17(14), 3529. <https://doi.org/10.3390/en17143529>
3. O. Chiver, L. Neamt and C. Barz, "Analysis of the Performances of Battery Electric Vehicles Using ADVISOR," 2022 *International Conference and Exposition on Electrical And Power Engineering (EPE)*, Iasi, Romania, 2022, pp. 264-268, doi: 10.1109/EPE56121.2022.9959829.
4. Neamt, L.; Chiver, O., *A Simple Design Method of Unequal Spacing Arrangement for Substation Grounding Grid*, IEEE ACCESS 9, pp.141339-141346, 2021.
5. Chiver, O; Burnete, N.; Sugar, I.R.; Neamt, L. Pop Eleonora, *Study on Gear Ratio of Battery Electric Vehicles*, INGINERIA AUTOMOBILULUI, Issue: 59, Page11-16, June 2021.
6. Neamt, L; Neamt, A and Chiver, O; *Improved Procedure for Earth Fault Loop Impedance Measurement in TN Low-Voltage Network*, Jan 2021, ENERGIES, vol. 14, issue 1, eISSN1996-1073, DOI10.3390/en14010205.
7. Sugar I. R., Chiver O., *Experimental study on the functioning of the traction batteries for hybrid vehicles*, INGINERIA AUTOMOBILULUI, Issue: 55, Pages: 23-26, July 2020.

8. Olivian Chiver, Liviu Neamt, Cristian Barz, Eleonora Pop, Cristinel Costea, Zoltan Erdei, *Study on the End Winding Inductance of Three-Phase Windings in Two Layers*, TEHNIČKI VJESNIK - TECHNICAL GAZETTE, vol. 26, no. 5, 2019, pp. 1510-1514, ISSN: 1330-3651.
9. Neamt, Liviu; Balan, Horia; Chiver, Olivian; et al., *Considerations about Substation Grounding System Design*, Proceedings of 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, ROMANIA, MAI 21-23, 2019.
10. Neamt, Liviu; Balan, Horia; Chiver, Olivian; et al., *Considerations about Fault Loop Impedance Measurement in TN Low-Voltage Network*, Proceedings of 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, ROMANIA, MAI 21-23, 2019.
11. Chiver, Olivian; Neamt, Liviu; Barz, Cristian; Pop, Eleonora, *Study on the Autonomous Asynchronous Generator*, Proceedings of 10th International Conference and Expositions on Electrical and Power Engineering (EPE), OCT 18-19, 2018, Iasi, ROMANIA, pp 863-866, 978-1-5386-5062-2;
12. Barz, Cristian; Lung, Claudiu; Chiver, Olivian; Jalba, Claudius K, *The Development of an Intelligent Gripper with Freely Programmable Controls*, Proceedings of 10th International Conference and Expositions on Electrical and Power Engineering (EPE), OCT 18-19, 2018, Iasi, ROMANIA, pp 479-482, 978-1-5386-5062-2;
13. Neamt, Liviu; Petrean, Liviu; Chiver, Olivian; et al., *Some Considerations about Overvoltages During and After the Disconnection of a Photovoltaic Park*, Proceedings of 24th IEEE International Symposium on Design and Technology in Electronic Packaging (SIITME), Iasi, ROMANIA, OCT 25-28, 2018.
14. Chiver O., Neamt L., Matei O., Erdei Z. and Barz C, *Utilization of finite elements programs and Matlab Simulink in the study of a special electrical motor*, International Journal of Advanced Computer Science and Applications (IJACSA), vol. 8, No. 4, 2017, pp. 317-323, ISSN: 2156-5570.
15. Neamt L., Matei O., Chiver O, *Finite element method combined with neural networks for power system grounding investigation*, International Journal of Advanced Computer Science and Applications (IJACSA), vol. 8, no. 2, 2017, pp. 187-192, ISSN: 2156-5570.
16. Pop P.P., Pop-Vadean A., Barz C., Latinovic T. and Chiver O. *System monitoring feedback in cinemas and harvesting energy of the air conditioning condenser*, IOP Conf. Series: Materials Science and Engineering, Volume 200, 2017, ISSN: 1757-8981.
17. Chiver, Olivian; Neamt, Liviu; Pop, Eleonora; Horgos, Mircea; Erdei, Zoltan; Pop, Adina -Vadean; Pop Paul Petrica; *Single-phase PM synchronous motor simulation with Matlab/Simulink*, IOP Conference Series: Materials Science and Engineering, Volume 163, Issue 1, 2017, ISSN: 1757-8981.
18. Chiver, Olivian; Neamt, Liviu; Pop Eleonora; *Transient analysis of wound rotor synchronous motor synchronisation using finite elements method*, Proceedings of Electrical and Power Engineering (EPE) International Conference and Exposition on, October 20-22, 2016, Iasi, Romania, pp. 225-228, ISBN:978-1-5090-6128-0.
19. Barz, Cristian; Chiver, Olivian; Erdei, Zoltan; Horgos, Mircea; Preradovic, Dragana; *Automation with MFD Titan for lighting control*, Proceedings of Electrical and Power Engineering (EPE) International Conference and Exposition on, October 20-22, 2016, Iasi, Romania, pp. 466-471, ISBN:978-1-5090-6128-0.
20. Costea, Cristinel ; Neamt, Liviu; Chiver, Olivian; Cola, Cristian; Sambor, Vasile; *Distributed processing of data streams on the edge devices*, Proceedings of Electrical and Power Engineering (EPE) International Conference and Exposition on, October 20-22, 2016, Iasi, Romania, pp. 001-004, ISBN:978-1-5090-6128-0.

21. Chiver, Olivian; Neamt, Liviu; Pop, Eleonora; Barz, Cristian; Pop, Adina Vadean; *Identification of parameters of single-phase PM synchronous Motor*, Proceedings of 16th International Conference on Environment and Electrical Engineering (EEEIC), Florence, ITALY, JUN 07-10, 2016, ISBN:978-1-5090-2320-2.
22. Neamt, Liviu; Chiver, Olivian; Erdei, Zoltan; Barz, Cristian; *Considerations about Medium Voltage SF6 Switch Disconnector Framework Design based on 3D Electrostatic FEA*, Proceedings of 16th International Conference on Environment and Electrical Engineering (EEEIC), Florence, ITALY, JUN 07-10, 2016, ISBN:978-1-5090-2320-2.
23. Costea, C.; Petrovan, A.; Neamt, L.; Chiver, O.; *On performing semantic queries in small devices*, IOP Conference Series-Materials Science and Engineering, Volume: 144, 2016, Article Number: 012005, DOI: 10.1088/1757-899X/144/1/012005, ISSN: 1757-8981.
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26. Chiver O., Neamt L., Barz C., *Analysis of the Performances of Battery Electric Vehicles using ADVISOR*, Proceedings of International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 264-268, doi: 10.1109/EPE56121.2022.9959829. (IEEE)
27. I. Smical, O. Chiver. *Study on the Management of Electrical Equipment and Waste Electrical Equipment with PCB Content in Maramures County*, Romania, Carpathian Journal of Electrical Engineering, vol. 15, no. 1, pp. 7-27, 2021.
28. Chiver Olivian, Libotean Paul, Neamt Liviu, Horgos Mircea, *Using Matlab-Simulink as tool for studying induction motor*, Carpathian Journal of Electrical Engineering, ISSN 1843-7583, vol.14, no.1, Baia Mare, 2020.
29. Chiver Olivian, Neamt Liviu, Barz Cristian, Pop Eleonora, Erdei Zoltan, *Reactive Power Consumption Analysis of a Medium Sized Factory*, 2020 IOP Conf. Ser.: Mater. Sci. Eng. vol. 749 012029.
30. Liviu NEAMT, Olivian CHIVER, Zoltan ERDEI, Cristian BARZ, *Aspects Regarding SF6 Switch Disconnector Framework Design*, Carpathian Journal of Electrical Engineering, vol.10, no.1, 2016, Baia Mare, ISSN 1843-7583.

E. Brevete obținute în întreaga activitate

1. Blașko Ștefan, Chiver O., Neamt L., Mare R., Marchis M., *Instalație trifazată mobilă, pentru încercări la încălzire a echipamentelor electrice*. – RO134583

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Semnătura:

