

Universitatea Tehnică din Cluj-Napoca
Facultatea de Inginerie Electrică
Departamentul de Electrotehnică și Măsurări
As. Dr. Ing. Rapolti Laszlo

LISTA

lucrărilor științifice în domeniul disciplinelor din postul didactic

Teza de doctorat

„Contribuții la dezvoltarea unor sisteme optimizate de sortare a deșeurilor provenite din echipamente electrice și electronice”

Conducător științific : Prof.dr.ing.Calin Munteanu

Domeniul: Inginerie electrică

Universitatea Tehnică Cluj-Napoca

Lucrări indexate ISI/BDI publicate în ultimii 10 ani

Studii publicate la conferințe indexate în baze de date internaționale de referință în domeniul (DBLP, ACM, IEEE, SCOPUS)¹

1. **Rapolti Laszlo**, Rodica Holonec, Laura Grindei, Oana Viman, *Automated Sorting of Pharmaceutical Waste using Machine Vision Technology*, 2020, International Conference on Advancements of Medicine and Health Care through Technology, Cluj-Napoca, Romania
2. Rodica Holonec, Simona Vlad, Marius Roman and Laszlo Rapolti; *Smart House Control using Hand Gestures Recognition LabVIEW Applications*, 2020, International Conference on Advancements of Medicine and Health Care through Technology, Cluj-Napoca, Romania
3. Holonec Rodica, Copindean, Romul Dragan, Florin Ioan, **Rapolti Laszlo** Measurements on a DC motor using imaging and virtual instrumentation techniques, *22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing* September, 14-15, 2017, Iași, Romania, ISBN 978-1-5108-4976-1 pp 467-471 [SCOPUS],
4. **Rapolti Laszlo**, Rodica Holonec, Romul Copindean, Florin Dragan, Sorting System for e-Waste Recycling using Contour Vision Sensors, *2019 8th International Conference on Modern Power Systems (MPS)*, pages 1-4, Editor IEEE, 2019 [IEEE], [SCOPUS]
5. **Rapolti, L.**; Rodica, H.; Grindei, L.; Purcar, M.; Dragan, F.; Copindean, R.; Reman, R. Experimental Stand for Sorting Components Dismantled from Printed Circuit Boards. *Minerals* 2021, 11, 1292. <https://doi.org/10.3390/min11111292>

¹ indexate în:

[IEEE] - IEEE Xplore (<http://ieeexplore.ieee.org/Xplore/guesthome.jsp>)

[ACM] - ACM portal (<http://portal.acm.org>)

[DBLP] - (<http://www.informatik.uni-trier.de>)

[SCOPUS] - (<http://www.scopus.com>)

6. G. Laura, P. Marius, C. Claudia, H. Rodica and **R. Laszlo**, "Research and innovation project based on recovery of the components and materials from IT and telecommunication waste," 2021 30th Annual Conference of the European Association for Education in Electrical and Information Engineering (EAEEIE), 2021, pp. 1-5, doi: 10.1109/EAEEIE50507.2021.9530930
7. R. Reman, **L. Rapolti**, M. Ardelean, R. Holonec, C. Munteanu and V. Topa, "A Hardware Optimized Storage and Retrieval System for Smart Warehousing Applications" 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 259-263, doi: 10.1109/EPE56121.2022.9959846.
8. **L. Rapolti**, R. Holonec, C. Munteanu, R. Reman and M. Ardelean, "Low-cost Laboratory Scanner Unit: Design and Testing for Hyperspectral Imaging System" 2022 International Conference and Exposition on Electrical And Power Engineering (EPE), Iasi, Romania, 2022, pp. 213-217, doi: 10.1109/EPE56121.2022.9959828.
9. L. Grindei, C. Constantinescu, A. Bojita, R. Holonec and **L. Rapolti**, "Project-oriented approach in teaching programming to the first year undergraduate students in Electrical Engineering," 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 1-4, doi: 10.1109/MPS58874.2023.10187591.
10. M. I. Ardelean, R. A. Munteanu, T. E. Crișan, **L. Rapolti** and V. I. Farcas, "Low-cost smarthome automation system for elderly" 2023 10th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, 2023, pp. 01-04, doi: 10.1109/MPS58874.2023.10187565.
11. Rodica Holonec, S Vlad, **L Rapolti**, *Application for Detection of Epileptic Seizures*, 2019, in Book-6th International Conference on Advancements of Medicine and Health Care through Technology; 17–20 October 2018, Cluj-Napoca, Romania, pp 91-96, Editor Springer, Singapore,[SCOPUS]
12. Rodica Holonec, S Vlad, **L Rapolti**, *Detection of Obstructive Apnea using Virtual Instrumentation Techniques*, 2019, in Book-6th International Conference on Advancements of Medicine and Health Care through Technology; 17–20 October 2018, Cluj-Napoca, Romania, pp 91-96, Editor Springer, Singapore,[SCOPUS]

Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)

1. R Holonec, R Copindean, F Dragan, **L Rápolti** , Self-guided AR Drone using LabVIEW. - *Acta Electrotehnica*, 2016, volume 57, nr 5 , pp 600-603, [EBSCO]

Semnătura