

Instituția de învățământ superior: Universitatea Tehnica din Cluj Napoca

Facultatea: .Facultatea de Inginerie Electrica..

Domeniul de licență: ..Inginerie Electrica

Programul de studii de licență: Sisteme Electrice in Engleza

Perioada evaluării:

TABEL PRIVIND INDEPLINIREA INDICATORULUI

Activitatea științifică în domeniul disciplinelor

„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 conform Anexei 4.1
			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 Anexelor 4.1.)	
0	1	2	3	4	5	6
1.	Sl. dr. ing. Calin Muresan 39 ani / 11 ani 7 luni	Interfete si Achizitii de Date, laborator - Curs, Laborator, Seminar	Universitatea Tehnică din Cluj / Facultatea de Inginerie Electrica / Metrologie in Industria Electrica	Doctorat în Inginerie Electrica	Teza (A), 1 carte (B2), 29 lucrări indexate ISI/BDI (C); 1 lucrare în rev. și vol. conf. (D)	Îndeplinit
2						
3						
4						
6						

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

Rector

Persoana de contact

A N E X A 4 . 1

Nume Prenume: Muresan Calin
Gradul didactic: Sef Lucrari
Instituția unde este titular:
Universitatea Tehnica din Cluj-Napoca
Facultatea:
Facultatea de Inginerie Electrica
Departamentul:
Departamentul de Electrotehnica si Masurari

L I S T A**lucrărilor științifice în domeniul disciplinelor din postul didactic****A. Teza de doctorat**

MODALITĂȚI DE ANALIZĂ A PUTERII ELECTRICE ÎN SISTEME POLIFAZATE DE TENSIUNI ȘI CURENȚI. IMPLEMENTĂRI DE ALGORITMI ÎN LABVIEW”

conducător științific : Prof.dr.ing. Gheorghe Todoran.

Universitatea Tehnică din Cluj Napoca.

Susținere publică: 27.02.2013.

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

1. Romul COPANDEAN, Rodica HOLONEC, Florin DRAGAN, Calin MURESAN – “Automate programabile – Indrumator de Laborator”, ISBN- 978-606-737-489-6, U.T. PRESS, 2020,

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

1. Valentin Dan Zaharia, Florin Drăgan, **Călin Mureșan** - Data Acquisition System Based on a Programmable Logic Controller; - Acta Electrotehnica, Volum 52, Nr. 3, 1/10/2011, Cluj-Napoca, Romania, Mediamira Science Publishing, ISSN 1841-3323, http://ie.utcluj.ro/files/acta/2011/Number3/Paper08_Zaharia.pdf
2. Valentin Dan Zaharia, Florin Drăgan, **Călin Mureșan** – “Electrical Parameters Remote Monitoring, Using PLC and OPC Platform”; - Acta Electrotehnica, Volum 52, Nr. 5, 2011, Special Issue - International Conference on Modern Power Systems Cluj-Napoca, Romania, Mediamira Science Publishing, ISSN 1841-3323
3. **Călin Mureșan**, Valentin Dan Zaharia, Florin Drăgan - Integrating DLMS/COSEM over OPC DA Platform; - Acta Electrotehnica, Volume 52, No. 5; pp 305-308; 2011, Special Issue - International Conference on Modern Power Systems Cluj-Napoca, Romania, Mediamira Science Publishing, ISSN 1841-3323.
4. **Călin Mureșan**, Valentin Dan Zaharia, Florin Drăgan – “Total Harmonic Distortion Computation in Nonsynchronized Sampling Conditions”; - Acta Electrotehnica, Volume 52, No. 2; pp. 114-118; 2011, Cluj-Napoca, Romania, Mediamira Science Publishing, ISSN 1841-3323,
5. Dan Iudean, Radu Munteanu jr., Valentin Dan Zaharia, **Calin Muresan** and M. Arion - „Influence of Parasite Vibrations on the Electromagnetic Forces of a Permanent Magnet Synchronous Motor”, -

6. Radu Adrian Munteanu, Dan Iudean, Valentin Dan Zaharia, **Călin Mureșan**, Traian Crețu – “Implementing an Failure Mode Effect Analysis for Small and Medium Electric Motors Powered from Photovoltaic Panels”; - ICPS’13 2013, 2nd IFAC WORKSHOP, Convergence of Information Technologies and Control Methods with Power Systems, ISBN 978-973-713-306-9, Cluj-Napoca, may 2013.
7. D Iudean, RA Munteanu, P Bechet, **C Mureșan**, A Crețu -, „Reliability Indicators and a Failure Mode and Effect Analysis Calculation for a Holter Recorder”, - International Conference on Advancements of Medicine and Health Care Through Technology; 5th-7th June 2014, Cluj-Napoca, Romania: Meditech 2014, http://link.springer.com/chapter/10.1007/978-3-319-07653-9_23.
8. R. A. Munteanu, **C. Mureșan**, D. Iudean, M. Munteanu, B. Amza - „Didactic Application for Monitoring Biomedical Parameters and Data Transfer over the Network Using Virtual Instrumentation”, - International Conference on Advancements of Medicine and Health Care Through Technology; 5th-7th June 2014, Cluj-Napoca, Romania: Meditech 2014, http://link.springer.com/chapter/10.1007/978-3-319-07653-9_18 [SCOPUS]
9. D. Iudean, R. Munteanu jr., **C. Muresan**, V. D. Zaharia, Nicoleta Pop, F. Ardelean -, „Digital Medical Audiometer”, - Acta Electrotehnica, Volume 55, No. 1-2; pp. 65-70; ISSN 2344 – 5637, ISSN–L 1841 – 3323 2014, Mediamira Science Publishing, http://ie.utcluj.ro/files/acta/2014/Number1-2/paper11_Iudean.pdf [EBSCO]
10. V. D. Zaharia; Rodica Holonec; S. Crișan; **C. Mureșan**; R. Munteanu Jr - „Three-Dimensional Scanning and Graphic Processing System”, - Acta Electrotehnica, Volume 55, No. 1-2; pp. 83-88; 2014, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing, http://ie.utcluj.ro/files/acta/2014/Number1-2/paper15_Zaharia.pdf
11. **C. Muresan**, D. Iudean, R. Munteanu Jr., V. D. Zaharia - „Discrete Time Signal Phase Shifting Using TFD”, - Acta Electrotehnica, Volume 55, No. 1-2; pp. 89-93; 2014, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing, http://ie.utcluj.ro/files/acta/2014/Number1-2/paper16_Muresan.pdf
12. **C. Mureșan**, B. Țebrean, A.O. Mârza, D.M. Iudean - „LabVIEW Application for Implementing the Instantaneous Power Theory in a Three Phase System”, - Acta Electrotehnica, Volume 55, No. 3-4;; 2014, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing, http://ie.utcluj.ro/files/acta/2014/Number3-4/paper05_Muresan.pdf
13. D. Iudean, R. Munteanu Jr., **C. Mureșan**, A. Plop, A. I. Paul – „Indicating Device for Measuring Blood Alcohol”, - Acta Electrotehnica, Volume 55, No. 3-4; pp. 131-134; 2014, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing, http://ie.utcluj.ro/files/acta/2014/Number3-4/paper07_Iudean.pdf
14. **MUREȘAN, Călin**; MUNTEAUNU, Radu A; DRAGĂN, Florin; MÂRZA, Adrian O; ȚEBREAN, Bogdan; - “Application for Implementing the pq Theory in a Three Phase System”, - Acta Electrotehnica, volume 56, nr. 3, pp. 192-198, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing, Special Issue - 6th INERNATIONAL CONFERENCE ON MODERN POWER SYSTEMS MPS2015, 18-21 May, Cluj-Napoca, Romania, 2015
15. Vulea, AR; Iudean, D; Munteanu, RA; **Muresan, C**; Copindean, R; - “Carbon Monoxide Levels in a Medium Size European City” - Acta Electrotehnica, volume 56, nr. 3, pp. 374-377, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing, Special Issue - 6th INERNATIONAL CONFERENCE ON MODERN POWER SYSTEMS MPS2015, 18-21 May, Cluj-Napoca, Romania, 2015
16. **Mureșan, Călin**; Zaharia, Valentin Dan; Iudean, Dan; Crisan, Titus E; Copindean, Romul; - “Computing the Symmetrical Components of a Three Phase System Using TFD” - Acta

17. Munteanu Jr, R; Iudean, D; **Muresan, C**; Petean, V; - “Access system in restricted areas based on programmable logic controller and GSM modem” – “Engineering of Modern Electric Systems (EMES), 2015 13th International Conference on”, 11-12 June 2015 Oradea, Romania, pp 1-4, ISBN 978-1-4799-7649-2, DOI 10.1109/EMES.2015.7158441, Publisher IEEE.
18. Crețu, R. Munteanu jr., D. Iudean, **C. Mureșan**, Rozica Moga – “A Failure Mode and Effect Analysis (FMEA) for a Commercial PC Cooling Fan” - Acta Electrotehnica, volume 56, nr. 5, pp. 236-239, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing, Cluj-Napoca, Romania, 2015 http://ie.utcluj.ro/files/acta/2015/Number5/paper09_Cretu.pdf
19. Vasile Mureșan, Călin Mureșan, Romul Copîndean, “Automating a Car Wash With Microcontroller”, Acta Electrotehnica, volume 57, nr. 5, pp. 583-587, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing, Cluj-Napoca, Romania, 2016, http://ie.utcluj.ro/files/acta/2016/Number5/paper09_Muresan.pdf
20. B. Tebrean, S. Crisan, **C. Muresan**, T. E. Crisan Low Cost Command and Control System for Automated Infusion Devices International Conference on Advancements of Medicine and Health Care through Technology; 12th-15th October 2016, Cluj-Napoca, Romania, https://link.springer.com/chapter/10.1007/978-3-319-52875-5_18
21. Tebrean B., Crisan S., **Muresan C.**, Crisan T.E. “Coplanar Capacitive Matrix Structures Used for Monitoring the Recovery of Burn Injuries” 22nd IMEKO TC4 International Symposium and 20th International Workshop on ADC Modelling and Testing 2017: Supporting World Development Through Electrical and Electronic Measurements, pp. 385-390, <https://www.imeko.org/publications/tc4-2017/IMEKO-TC4-2017-075.pdf>
22. Copîndean, R; Holonec, R; Dragan, F; **Muresan, C**; “Method for Body Impedance Measurement” 6th International Conference on Advancements of Medicine and Health Care through Technology; 17–20 October 2018, Cluj-Napoca, Romania, https://link.springer.com/chapter/10.1007/978-981-13-6207-1_13
23. **Muresan, C.**, Ardelean, M., Tebrean, B., Crisan S., “LabVIEW Program for Implementing Hilbert Spaces Algorithms in Power Systems Analysis” 8th International Conference on Modern Power Systems, MPS 2019; Technical University of Cluj-Napoca Cluj-Napoca; Romania; 21 May 2019 through 23 May 2019; 10.1109/MPS.2019.8759681, <https://www.scopus.com/inward/record.uri?eid=2s2.085070249720&doi=10.1109%2fMPS.2019.8759681&partnerID=40&md5=d744cd136949e072241b93335683e39>
24. **Muresan, C.**, Tebrean, B., Copandean, R., Ardelean, M., Dragan, F., “Power Analysis Tools Developed in the LabVIEW Programming Environment” 8th International Conference on Modern Power Systems, MPS 2019; Technical University of Cluj-Napoca Cluj-Napoca; Romania; 21 May 2019 through 23 May 2019; DOI: 10.1109/MPS.2019.8759714, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070296513&doi=10.1109%2fMPS.2019.8759714&partnerID=40&md5=30622a2d2c997de32527f70c2783b3d8>
25. Tebrean, B., Crisan, S., **Muresan, C.**, Crisan, T.E., “Determining the Response of a Mechanical Shock Transducer Based on a Hall Effect Sensor”, 8th International Conference on Modern Power Systems, MPS 2019; Technical University of Cluj-Napoca Cluj-Napoca; Romania; 21 May 2019 through 23 May 2019; DOI: 10.1109/MPS.2019.8759778, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070314650&doi=10.1109%2fMPS.2019.8759778&partnerID=40&md5=8761082db1e2fb7a470d7a789188b937>
26. Tebrean, B., **Muresan, C.**, Ardelean, M.I., Crisan, T.E., “Low-Cost Temperature Monitoring Device with Interchangeable Thermocouple”, - Acta Electrotehnica, Volume 61, No. 4; pp. 318-321; 2020, ISSN 2344 – 5637, ISSN–L 1841 – 3323, Mediamira Science Publishing,

27. Tebrean, B., Carausu Roxana, **Muresan, C.**, Crisan, T.E., “Modeling and Experimental Didactic Solution for Analysing the Arterial Stenosis”, - 10th E-Health and Bioengineering Conference, EHB 2022, 17-18 November 2022, DOI: 10.1109/EHB55594.2022.9991383
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85146595573&origin=resultslist&sort=plf-f>
28. Mureșan C, Tebrean B., Copîndean R, Crișan T.E., Stoica T, “A LabVIEW Power Quality Analysis Application for a Three-phase Systems”, - 10th International Conference on Modern Power Systems (MPS), MPS 2023, 21-23 June 2023, DOI: 10.1109/MPS58874.2023.10187434
<https://ieeexplore.ieee.org/document/10187434>
29. Tebrean, B., **Muresan, C.**, Crisan, T.E., “Acquisition and Monitoring System for Basic Laboratory Measurements on Electrical Networks Parameters”, - 10th International Conference on Modern Power Systems (MPS), MPS 2023, 21-23 June 2023, DOI: 10.1109/MPS58874.2023.10187478
<https://ieeexplore.ieee.org/document/10187478>

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

- Selecție cu maximum 20 lucrări în volume de conferințe

1. **Călin Mureșan**, Romul Copîndean, Florin Drăgan, Vasile Mureșan – “Aplication for determining the symmetrical components in a penta-phase voltage and currents system” - The 10th International Conference on Electromechanical And Power Systems, SIELMEN October 6 Craiova, October 8-9 Chișinău 2015, ISBN 978-606-567-284-0, <http://sielmen.ucv.ro/index.php/Proceedings>

E. Brevete obținute în întreaga activitate

- 1.

Data: 25.10.2024

S.I. dr. ing. Calin Muresan