

Curriculum Vitae

Personal information

First name(s) / Surname(s) Călin Mureșan
 Telephone(s) +40 264 401434;
 Fax(es) -
 E-mail calin.muresan@ethm.utcluj.ro
 Nationality Romanian
 Date of birth July 7, 1985

Work experience

Dates October 2020 – Present
 Name and address of employer Technical University of Cluj-Napoca, Romania, www.utcluj.ro
 Faculty of Electric Engineering, www.ie.utcluj.ro
 Electric Engineering and Measurements Department, www.ethm.utcluj.ro
 Occupation or position held Lecturer PhD. Eng.
 Main activities and responsibilities Didactic and research activities

Education and training

Dates 2009 – 2013
 Title of qualification awarded Doctor of Philosophy in Electric Engineering
 Principal subjects/occupational skills Thesis Title : *“Electric Power Analysis Methods in Polyphased Voltage and Current Systems. LabVIEW Implementation Algorithms”*
 Name and type of organisation providing education and training Technical University of Cluj-Napoca, Romania
 Dates 2009 – 2010
 Title of qualification awarded Advanced studies in Electric Engineering
 Name and type of organisation providing education and training Technical University of Cluj-Napoca, Romania
 Dates 2004 – 2009
 Title of qualification awarded Engineer in Electric Engineering
 Name and type of organisation providing education and training Technical University of Cluj-Napoca, Romania
 Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level ()*

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

Didactic activity

Laboratory activities	Disciplines:	Study program	Study year
	Electric and Electronic Measurements	- Electric Engineering	2nd

	Electric Measurements and Sensors Measurements and actuators	- Automation and Applied Informatics - Computer Science and Information Technology	2nd
	Electric and Electronic Measurements Measurements in Electronics and Telecommunications	- Electronics and Telecommunications Engineering	2nd
	DAQ and Interfaces	- Electric Engineering, Medical Engineering	3rd
	Processing of measurement signal	- Instrumentation and Data Acquisition	4th
	Numeric Measurements	- Instrumentation and Data Acquisition	4th
	Measuring in Industrial Processes	- Instrumentation and Data Acquisition	4th
Course activities	Interfaces and Data Acquisition	- Medical Engineering - BN	3rd
Project activities	Interfaces and Data Acquisition	- Medical Engineering - BN	3rd

Research

Scientific publications 30 papers

Additional information

Other relevant activities Acta Electrotehnica Journal Editorial Team member

<http://ie.utcluj.ro/acta-electrotehnica.html>

Significant papers published in the last 10 years

- [1]. Muresan, C., Ardelean, M.I., 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; DOI: 10.1109/MPS.2019.8759681
- [2]. 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,
- [3]. 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>
- [4]. 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
- [5]. Mureşan C, Tebrean B., Copîndean R, Crişan 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>

Cluj-Napoca,
September 9, 2024

Lecturer PhD. Eng. Călin Mureşan