

Cristina Ioana Muresan

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Experiența profesională

Profesor | Universitatea Tehnica din Cluj-Napoca | 01/10/2022 - În curs | Cluj-Napoca, România

Conferentiar | Universitatea Tehnica din Cluj-Napoca | 01/10/2016 - 30/09/2022 | Cluj-Napoca, România

Sef lucrari | Universitatea Tehnica din Cluj-Napoca | 01/10/2012 - 30/09/2016 | Cluj-Napoca, România

Asistent universitar | Universitatea Tehnica din Cluj-Napoca | 01/10/2011 - 30/09/2012 | Cluj-Napoca, România

Educație și formare

Doctor in Ingineria Sistemelor | Universitatea Tehnica din Cluj-Napoca | 01/10/2007 - 01/05/2011 | Cluj-Napoca, România

Mobilitate de cercetare in cadrul stagiului de doctorat | Gent University | 01/05/2010 - 01/12/2010 | Gent, Belgia

Diploma de masterat in Controlul Avansat al Proceselor | Universitatea Tehnica din Cluj-Napoca | 01/10/2007 - 01/02/2009 | Cluj-Napoca, România

Inginer, licenta in Ingineria Sistemelor | Universitatea Tehnica din Cluj-Napoca | 01/10/2002 - 01/07/2007 | Cluj-Napoca, România

Economist, licenta in Managementul Institutiilor Europene | Universitatea Babes Bolyai, Facultatea de Studii Europene | 01/10/2002 - 01/07/2006 | Cluj-Napoca, România

Competențe lingvistice

Limb (i) matern(ă):

	Comprehensiune		Vorbit		Scris
	Comprehensiune orală	Citit	Exprimare scris	Conversație	
englez	C2	C2	C2	C2	C2
spaniol	B1	B1	A2	B1	A2
francez	A1	A2	A1	A1	A1

Proiecte

Principal Investigator, Novel Fractional Order Control Strategies for Vibration Suppression in Aeroplane Wings | 01/10/2015 - 30/09/2017

Grant TE 86/1.10.2015 , approx. 115 000 eur

www.cristina-muresan.com/research/te862015/

Principal Investigator, Scalable experimental setup of nanorobot dynamics in Non-Newtonian fluids for fractional order modelling and control | 03/01/2017 - 03/07/2018

Grant 92PED/2017 approx. 125 000 eur

www.cristina-muresan.com/research/92ped2017/

Principal Investigator, Robust fractional order event-based control for optimised resource allocation in complex cyber-physical closed loop system | 02/05/2018 - 30/04/2020

Grant TE65/2018 approx. 95 000 eur

www.cristina-muresan.com/research/te652018/

Principal Investigator, Novel Fractional Order Autotuners for Poorly Damped Systems to Ensure Improved Safety and Comfort | 01/11/2020 - 31/10/2022

Grant TE143/2020 approx. 88.500 eur

www.cristina-muresan.com/research/te1432020/

Principal Investigator, CYBERMED- Cyber-medical solution for drug delivery systems using fractional calculus | 01/02/2023 - 31/07/2024

PNRR-III-C9-2022 – I9, grant number 760018/27.01.2023, approx. 94.500 eur

www.cristina-muresan.com/research/cybermed-pnrr-i9-grant-no-76001827-01-2023/

Co-director, Centre of Excellence in Computer Assisted Systems for Drug Dosing Control and Optimisation | 01/07/2023 - 30/06/2026

Grant no PNRR-III-C9-2022 – I8 760068/23.05.2023 CF 134/15.11.2022 approx. 1 382 000 eur

www.control.utcluj.ro/projects/optimdrug/#About

P u b l i c a   i i

Peste 150 publicatii cu in h-index de 22

<https://scholar.google.com/citations?user=MOwryR4AAAAJ&hl=en>

D i s t i n c t   i i   o n o r i f i c e   i   p r e m i i

Premiul pentru Scientific contributions of fractional order control to vibration suppression systems | 3rd IFAC Conf. on Advances in Proportional-Integral-Derivative Control, Ghent, Belgium | 11/05/2018

The 2016 Armen H. Zemanian Best Paper Award | Journal of Circuits, Systems, and Signal Processing | 01/06/2016

Premiul pentru lucrarea "Improvements in Dissolved Oxygen Control of an Activated Sludge Wastewater Treatment Process" in the area of Circuits and Systems

The 2016 M.N.S. Swamy Best Paper Award | Journal of Circuits, Systems, and Signal Processing | 01/06/2018

Premiul pentru lucrarea "Improvements in Dissolved Oxygen Control of an Activated Sludge Wastewater Treatment Process"

P r e l e g e r i   i n v i t a t e

Invited Speaker at theWorkshop on “Women in Engineering” IEEE International Conference on Systems, Man, and Cybernetics (SMC 2016) | 09/10/2016 - 12/10/2016

Invited Lecturer at University of Cambridge | 07/04/2015 - 10/04/2015

Invited lecturer at the International Summer Course, University of Ghent | 23/06/2015 - 27/06/2015

Tutorial lecturer “Who is afraid of the fractional order Laplace?”, IEEE Mediterranean Control Conference

Invited lecturer at the International Summer Course, University of Ghent | 30/07/2013 - 02/08/2013

Invited speaker at the Second Online Conference on Nonlinear Dynamics and Complexity | 04/10/2021 - 06/10/2021

A p t i t u d i n i   o r g a n i z a t i o n a l e / m a n a g e r i a l e

Editor asociat International Journal of Dynamics and Control | 30/11/2015 - În curs

Editor asociat Mathematics MDPI | 30/11/2020 - În curs

Editor asociat Fractal and Fractional MDPI | 30/11/2021 - În curs

Special Sessions Chair at the IEEE International Conference on Automation, Quality and Testing, Robotics 2022, 2024

Editor asociat ASME, Journal of Computational and Nonlinear Dynamics | 30/11/2022 - În curs