

PERSONAL INFORMATION

Maria-Geanina Nichițea (Unguritu)

 Craiova, Dolj County, Romania

 geanina.unguritu@edu.ucv.ro

Sex Female | Date of birth 31/05/1994 | Nationality Romanian

WORK EXPERIENCE

2016–Present Embedded Software Developer

S.C. Hella Romania S.R.L., Forvia Group, Craiova (Romania)

2024–Present Lecturer

Faculty of Automation, Computers and Electronics, University of Craiova (Romania)

2019–2024 University Assistant

Faculty of Automation, Computers and Electronics, University of Craiova (Romania)

Oct. 2018–Feb. 2019 Associate Teaching Staff

Faculty of Automation, Computers and Electronics, University of Craiova (Romania)

EDUCATION AND TRAINING

2018–2023 Doctoral Studies, Ph.D. in Systems Engineering

Doctoral School “Constantin Belea”, Faculty of Automation, Computers and Electronics, University of Craiova, (Romania)

2019 Summer School: “EECI International Graduate School on Control, Module: Predictive and Optimization Based Control for Automotive and Aerospace Applications”

Campus Centrale Supélec, Paris-Saclay (France)

2016–2018 Master Studies, Specialty: Embedded Control Systems

Faculty of Automation, Computers and Electronics, University of Craiova (Romania)

2016–2018 Psychopedagogy Module, Level II

Department of Teacher Training, University of Craiova (Romania)

2016–2017 Internship INCESA “Software package for real-time simulation of mechanical system models from the automotive industry”

University of Craiova (Romania)

2012–2016 Bachelor Studies, Specialty: Automation and Applied Informatics

Faculty of Automation, Computers and Electronics, University of Craiova (Romania)

2013–2016 Psychopedagogy Module, Level I

Department of Teacher Training, University of Craiova (Romania)

2015 International practice at Voice Business GmbH, Bitrix24 testing project

Vienna (Austria)

2015 Internship at S.C. Hella Romania Forvia Group S.R.L.

Craiova (Romania)

2014–2015 Activities within Hella Embedded Club, “Basic Software” module

Craiova (Romania)

2014 Practice at S.C. NetRom Software S.R.L., C++ project with databases

Craiova (Romania)

2008–2012 High school studies, Specialty: Mathematics-Informatics

High school “Petrache Poenaru”, Bălcești, Vâlcea (Romania)

PERSONAL SKILLS

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2/C1	B2/C1	B2/C1	B2/C1	B2/C1
French	A2	B1	A2	A2	B1
Spanish	B1	A2	B1	A2	A1
German	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Experienced user

Communication skills

- good communication skills acquired during:
 - collaboration in various projects and contests
 - presentations given during the internship activities

Organizational/managerial skills

- good organizational skills acquired at work
- teamwork ability acquired by participating in student projects and competitions and also at work
- capacity for self-evaluation and self-improvement

Computer skills

SELF-EVALUATION				
Information processing	Communication	Content creation	Security	Problem solving
Experienced User	Experienced User	Experienced User	Experienced User	Experienced User

- good skills in using Microsoft Office software package

Other skills

- software programming
- microcontrollers programming

ADDITIONAL INFORMATION

Conferences	2021	25th International Conference on System Theory, Control and Computing (ICSTCC), Romania
	2021	25th International Conference Electronics, Lithuania
Publications	2023	Design and Assessment of an Anti-lock Braking System Controller M.G. Unguritu, T.C. Nichițelea, <i>ROMJIST</i> [ISI WoS, IF 0.852]
	2022	Design and Performance Assessment of Adaptive Harmonic Control for a half-car active suspension system M.G. Unguritu, T.C. Nichițelea, D. Selișteanu, <i>Complexity</i> [ISI WoS, IF 2.121, Q2]
	2021	Traffic Congestion Reduction at Traffic Light Intersections for Time-Synchronized Autonomous Vehicles T.C. Nichițelea, M.G. Unguritu, <i>Proceedings of the Romanian Academy - Series A</i> [ISI WoS, IF 0.734]
	2021	Design and Comparisons of Adaptive Harmonic Control for a Quarter-Car Active Suspension T.C. Nichițelea, M.G. Unguritu, <i>Proc. Inst. Mech. Eng. D: J. Automob. Eng.</i> [ISI WoS, IF 1.828]
	2021	Adaptive Real-Time Operating System in Automotive Multicore Embedded Systems M.G. Unguritu, T.C. Nichițelea, <i>2021 25th ICSTCC</i> [IEEE Xplore, ISI Proc.]
	2021	Real-Time Path Recognition and Automatic Control of Educational Smart Cars M.G. Unguritu, T.C. Nichițelea, <i>2021 25th International Conference Electronics</i> [IEEE Xplore]

	2019	Automotive Ethernet Applications Using Scalable Service-Oriented Middleware over IP: Service Discovery T.C. Nichitelea, M.G. Unguritu, <i>2019 24th International Conference on MMAR</i> [IEEE Xplore, ISI Proc]
	2017	Mechanical Systems from Automotive Industry: Modelling and Simulation of Trailer Systems M.G. Unguritu, T.C. Nichitelea, <i>Annals of University of Craiova</i> , Volume 14, no. 2
	2017	DC Motor Modelling Using Bluetooth Wireless Technology T.C. Nichitelea, M.G. Unguritu, <i>Annals of University of Craiova</i> , Volume 14, no. 2
	2017	DC Motor Speed Control Using a Discrete PID Control Law T.C. Nichitelea, M.G. Unguritu, <i>Annals of University of Craiova</i> , Volume 14, no. 1
Competitions	2018	NXP Cup Intelligent Car Racing, 1 st place in the qualification stage, Bucharest (Romania)
	2018	Renesas MCU Car Rally, 4 th place in the European finals, Nuremberg (Germany)
	2017	NXP Cup Intelligent Car Racing, 3 rd place in the European finals, Munich (Germany)
	2017	Renesas MCU Car Rally, 12 th place in the qualification stage, Nuremberg (Germany)
	2016	NXP Cup Intelligent Car Racing, 2 nd place in the European finals, Munich (Germany)
	2016	Renesas MCU Car Rally, 12 th place in the qualification stage, Nuremberg (Germany)
	2015	Renesas MCU Car Rally, 8 th place in the European finals, Nuremberg (Germany)
	2015	Hella Step Ahead Challenge, 3 rd place, Craiova (Romania)
	2014	NetRom Code Golf 2 nd Edition, Mention, Craiova (Romania)
Scholarships	2018-2021	Doctoral scholarship granted by University of Craiova
	2018-2019	Doctoral scholarship QforIT
	2017-2018	Performance scholarship QforIT
	2016-2018	Scholarship granted by University of Craiova
	2013-2016	Performance scholarship granted by University of Craiova
	2012-2013	Scholarship granted by University of Craiova

Date: 01.10.2025