

## PERSONAL INFORMATION

## Maria-Geanina Nichițelea (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 Supelec, 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, *ROMJIST* [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, *Complexity* [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, *Proceedings of the Romanian Academy - Series A* [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, *Proc. Inst. Mech. Eng. D: J. Automob. Eng.* [ISI WoS, IF 1.828]  
2021 Adaptive Real-Time Operating System in Automotive Multicore Embedded Systems  
M.G. Unguritu, T.C. Nichițelea, *2021 25th ICSTCC* [IEEE Xplore, ISI Proc.]  
2021 Real-Time Path Recognition and Automatic Control of Educational Smart Cars  
M.G. Unguritu, T.C. Nichițelea, *2021 25th International Conference Electronics* [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 <sup>st</sup> place in the qualification stage, Bucharest (Romania)
	2018	Renesas MCU Car Rally, 4 <sup>th</sup> place in the European finals, Nuremberg (Germany)
	2017	NXP Cup Intelligent Car Racing, 3 <sup>rd</sup> place in the European finals, Munich (Germany)
	2017	Renesas MCU Car Rally, 12 <sup>th</sup> place in the qualification stage, Nuremberg (Germany)
	2016	NXP Cup Intelligent Car Racing, 2 <sup>nd</sup> place in the European finals, Munich (Germany)
	2016	Renesas MCU Car Rally, 12 <sup>th</sup> place in the qualification stage, Nuremberg (Germany)
	2015	Renesas MCU Car Rally, 8 <sup>th</sup> place in the European finals, Nuremberg (Germany)
	2015	Hella Step Ahead Challenge, 3 <sup>rd</sup> place, Craiova (Romania)
	2014	NetRom Code Golf 2 <sup>nd</sup> 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