



## Petri Ana-Maria

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Date of birth: 17/05/1994 | **Nationality:** Romanian | **Gender:** Female |

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### ● WORK EXPERIENCE

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01/10/2019 – 10/09/2021 – Cluj-Napoca, Romania

**TEACHER** – TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

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Applications:

- Passive Components and Circuits
- Electronic Devices
- Microcontrollers

23/10/2017 – 31/10/2019 – Cluj-Napoca, Romania

**EMBEDDED C DEVELOPER** – AROBS TRANSILVANIA SOFTWARE, CLUJ-NAPOCA (ROMANIA)

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NFC technology application for automotive systems development.

04/07/2016 – 05/08/2016 – Cluj-Napoca, Romania

**SUMMER INTERNSHIP** – AROBS TRANSILVANIA SOFTWARE, CLUJ-NAPOCA (ROMANIA)

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Automotive embedded systems implementation.

### ● EDUCATION AND TRAINING

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01/10/2019 – CURRENT – Cluj-Napoca, Romania

**PHD** – Technical University of Cluj-Napoca

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**Field(s) of study**

- Electronics, Telecommunications and Informational Technologies

**Thesis:** Study and modelling of powertrain systems for electric vehicles

<https://www.utcluj.ro/>

01/10/2017 – 17/07/2019 – Cluj-Napoca, Romania

**MASTER'S DEGREE** – Technical University of Cluj-Napoca

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**Field(s) of study**

- Applied Electronics

**Thesis:** Study and modelling of a low scale wind turbine system

10.00 (zece) | <https://www.utcluj.ro/>

01/10/2013 – 18/07/2017 – Cluj-Napoca, Romania

**BACHELOR'S DEGREE** – Technical University of Cluj-Napoca

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**Field(s) of study**

- Electronics and Telecommunications

**Thesis:** Bipolar and unipolar PWM driving for a full bridge DC-DC converter

10.00 | <https://www.utcluj.ro/>

24/02/2014 – 30/01/2017 – Cluj-Napoca, Romania

**GRADUATION CERTIFICATE OF PSYCHO-PEDAGOGIC TRAINING** – Technical University of Cluj-Napoca

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10.00 (zece) | <https://www.utcluj.ro/>

15/09/2009 – 28/05/2013 – Sighisoara, Romania

**HIGH SCHOOL DIPLOMA** – Mircea Eliade National College,

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9.23 (noua 23%) | <http://www.sigedu.ro/>

## ● LANGUAGE SKILLS

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Mother tongue(s): **ROMANA**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

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Matlab, Matlab Simulink | Microsoft Office: Word, Excel, Power Point, Outlook | Embedded C

## ● PUBLICATIONS

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### Vector Control of Induction Machine Used in Electric Vehicle

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**A. Petri** and D. Petreus, "Vector Control of Induction Machine Used in Electric Vehicle," *2020 43rd International Spring Seminar on Electronics Technology (ISSE)*, 2020, pp. 1-5, doi: 10.1109/ISSE49702.2020.9120984.

### Vector Control of Permanent Magnet Synchronous Machine

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**A. -M. Petri** and D. Petreus, "Vector Control of Permanent Magnet Synchronous Machine", *2020 IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME)*, 2020, pp. 390-393, doi: 10.1109/SIITME50350.2020.9292170.

### Balancing and SOC Estimation in a Battery Management System for Electric Vehicle

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**A. Petri** and D. Petreus, "Balancing and SOC Estimation in a Battery Management System for Electric Vehicle," *2021 42nd International Spring Seminar on Electronics Technology (ISSE)*, 2021, in curs de publicare

## ● DRIVING LICENCE

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Driving Licence: B

- **COMMUNICATION AND INTERPERSONAL SKILLS**

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Good communication skills earned through group activities with the students, at work and at conferences.

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- **INFORMAȚII SUPLIMENTARE**

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Member of the IEEE Student Branch from Universitatii Tehnice of Cluj-Napoca (since 2020)

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