



Cosmina Emilia Corcheș

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● WORK EXPERIENCE

2024 - CURRENT - CLUJ NAPOCA, ROMANIA

LECTURER TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, DEPARTMENT OF AUTOMATION

Teaching and research activities

- **Lectures**

- *Reliability and Diagnosis*, Specialization: Automation and Applied Informatics (Satu-Mare), 4th year

- **Laboratories**

- *Project Management (Ro)*, Automation and Applied Informatics, 4th year;
- *Web Technologies (Ro)*, Automation and Applied Informatics, 4th year;
- *Computer Programming (Ro)*, Applied Informatics (Master), 1st year;
- *Dependability in Cyber-Physical Systems (Eng.)*, Cyber-Physical Systems (Master), 2nd year.

2021 - 2024 - CLUJ NAPOCA, ROMANIA

TEACHING ASSISTANT TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF AUTOMATION AND COMPUTER SCIENCE

Teaching and research activities

- **Laboratories and/or projects**

- *Project Management (Ro)*, Automation and Applied Informatics, 4th year;
- *Application-Oriented Software Environments (Ro)*, Automation and Applied Informatics, 4th year;
- *Computer Programming (Ro)*, Applied Informatics (Master), 1st year.

2018 - 2021 - CLUJ-NAPOCA, ROMANIA

TEACHING ASSISTANT (FIXED-TERM) TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF AUTOMATION AND COMPUTER SCIENCE

Teaching and research activities

- **Laboratories and/or projects**

- *Project Management (Ro)*, Automation and Applied Informatics, 4th year;
- *Application-Oriented Software Environments (Ro)*, Automation and Applied Informatics, 4th year;
- *Computer Programming (Ro)*, Applied Informatics (Master), 1st year.

2020 - CURRENT - CLUJ NAPOCA, ROMANIA

ASSOCIATE LECTURER TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, DECIDFR DEPARTMENT

Teaching activities

- **Laboratory:** *Computer Programming (Ro)* – postgraduate program

2021 - 2022 - CLUJ-NAPOCA, ROMANIA

PROJECT MEMBER TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF AUTOMATION AND COMPUTER SCIENCE

Internal project: "*Increasing Dependability and Security in Cloud-Fog-Edge Systems*"

- Research focused on methods for improving dependability and security in Cloud-Fog-Edge architectures.

2018 - 2021 - CLUJ-NAPOCA, ROMANIA

PROJECT MEMBER TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF AUTOMATION AND COMPUTER SCIENCE

National project: "*Robots and Society: Cognitive Systems for Personal Robots and Autonomous Vehicles*" (72PCCDI/2018)

- Research activities, contribution to the advancement of Cloud-Computing architectures.

● EDUCATION & TRAINING

2021

PHD IN SYSTEMS ENGINEERING- TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

Level in EQF: 8

2018 - 2020

PSYCHO-PEDAGOGICAL TRAINING PROGRAMME- TECHNICAL UNIVERSITY OF CLUJ-NAPOCA

2020 - CLUJ NAPOCA, ROMANIA

POSTGRADUATE TRAINING PROGRAM: ADVANCED PROGRAMMING- TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, DECIDFR DEPARTMENT

2016 - 2018

MASTER'S DEGREE IN SYSTEMS ENGINEERING- TECHNICAL UNIVERSITY OF CLUJ-NAPOCA, FACULTY OF AUTOMATION AND COMPUTER SCIENCE

Level in EQF: 7

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
FRANCEZĂ	B2	B2	B2	B2	B2
ENGLEZĂ	B2	B2	B2	B2	B2

● SKILLS

communication skills | creativity | teamwork

Organisational / Managerial skills

activity planning and time-management skills | synthesis and analytical skills

Job-related skills

FPGA programming (XILINX family) using ISE WebPack (VHDL) | Programming languages: C, C++, C#, Java, JavaScript, PHP, SQL, VHDL

Reviewer

Reviewer for 9 ISI scientific journals with impact factor, indexed in Web of Science | Reviewer for the

international conference SIITME (2023–present)

Research Projects

Member of the Dependable Systems (DeSy) research group | Member in 4 National Research Contracts