



Valeria-Teodora Cojocaru

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About me

I am a junior researcher at the Center of Excellence in Communications and Information Technologies, and I am drawn to the field of optical communications. I am a dedicated, dependable and dynamic person, eager to try new things. At present, I aspire to acquire an in-depth understanding of the field of optical communications.

Work experience

Junior Researcher | Ecole Nationale d'Ingénieurs de Brest (ENIB) – Lab-STICC | 31/07/2024 - Current | Brest, France
executing numerical simulations

preparing original research

Research Intern (Erasmus traineeship) | Ecole Nationale d'Ingénieurs de Brest (ENIB) – Lab-STICC | 24/02/2024 - 30/05/2024 | Brest, France

-Research internship focused on self-calibrating adaptive estimation techniques for digital coherent optical receivers.

-Development and testing of signal processing algorithms, parameter calibration techniques and performance evaluation

Education & Training

Master | Military Technical Academy "Ferdinand I" | 30/09/2024 - Current | Bucharest
cryptography and computer security

methodology of scientific research and technological development

advanced image processing systems

Bachelor | Military Technical Academy "Ferdinand I" | 01/10/2020 - 01/07/2024 | Bucharest, Romania
radio transmitters and receivers

analog and digital signal processing

optical communications

communications networks

Thesis: Advanced Techniques for Compensating Physical Layer Imperfections (10/10)

High School Diploma | National Military High School | 01/09/2016 - 01/06/2020 | Alba Iulia, Romania
mathematics

physics

Field of study Education | **Thesis:** High school diploma (9.71/10)

Language Skills

Mother tongue(s): **Romanian**

Understanding

Listening

Speaking

Writing

	Reading	Spoken production	Spoken interaction	
English				

Skills

programming: Python, MATLAB and SQL | Begginer JavaScript for WebDevelopment | Matlab | C, C++ | Orcad | assembly language | Linux | FPGA(VHDL - basic experience with Xilinx ISE) | Hardware Description Language: Verilog | VHDL - Hardware Description Language

Hobbies and Interests

Travelling, Reading, Cooking, Running, Hikes

Extra-curricular activities

Activities

programming-Python

learn about Machine Learning

research in optical communications

Management and leadership skills

good organizer; proficient in leading and instructing military personnel

Communication and interpersonal skills

teamwork, organization skills, adaptability, creativity