

PERSONAL INFORMATION

Mădălina CIUCĂ

 [Web of Science ResearcherID AEC-4977-2022](#)

Gender Female | Nationality Romanian

EDUCATION

2019–2023 **PhD Candidate** ISCED 8

National University of Science and Technology POLITEHNICA Bucharest, ETTI and Université Grenoble Alpes, EEATS (cotutelle agreement)

Thesis: Methods for Monostatic and Bistatic Polarimetric SAR Image Analysis

2017–2019 **Master of Science**

University POLITEHNICA of Bucharest, ETTI

Programme of study: Mobile Communications

Additionally: Training program for the teaching career, Level 2

2013–2017 **Bachelor of Science**

University POLITEHNICA of Bucharest, Faculty of Electronics, Telecommunications and Information Technology (ETTI), Bucharest

Programme of study: Technology and Telecommunication Systems

Additionally: Pedagogical studies program, Level 1

WORK EXPERIENCE

2019 – 2022 **Teaching Assistant**

University POLITEHNICA of Bucharest, ETTI, Telecommunications Department

Coordinated laboratories of Microwaves, Radar, Antennas and Propagation.

2018 – 2022 **Research Assistant / Engineer**

University POLITEHNICA of Bucharest, Telecommunications Department and Research Center for Spatial Information (CEOSpaceTech), Bucharest

Collaboration in research projects (most relevant: TomoSAR-1B (Bistatic SAR Tomography))

Bibliographic studies and technical documentation for project deliverables.

Attributions in data analysis, algorithms development and testing.

Results dissemination.

June 2016 – October 2016 **Internship**

Development and Innovation Department, Orange Romania SA, Bucharest

Part of the Orange Education Program for UPB.

Collaboration with the department team extended to June 2017 - mentorship for BSc thesis.

PERSONAL SKILLS

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B2	B2	B2	B2	B1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Collaborative and Communication skills

- Good communication skills (with technical and non-technical subjects) obtained through teaching and dissemination activities.
- Capable of working autonomously to achieve objectives.
- Team player able to collaborate and contribute effectively within group settings.
- Intercultural skills and adaptability to new social contexts.

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

[Digital competences - Self-assessment grid](#)

Computer skills

- Essential: Microsoft Office Suite, LaTeX.
- Programming languages: Matlab, Python.
- Other specialized software used during the years of formal training.
- Experience with using the Moodle platform for creating/updating/exporting content material and examinations.

OTHER INFORMATION

List of publications Included as Annex

Membership

Institute of Electrical and Electronics Engineers (IEEE), IEEE Geoscience and Remote Sensing Society

Review Activity

- IEEE Transactions on Geoscience and Remote Sensing
- IEEE Geoscience and Remote Sensing Letters
- IEEE Canadian Journal of Remote Sensing
- IEEE International Geoscience and Remote Sensing Symposium (IGARSS)
- IEEE EPICS (Engineering Projects in Community Service) Projects Proposal (November 2023 Submission Round)

Alumni of LEADERS Foundation

- July 2018: Leaders Explore for Students
- July 2019 – January 2020: Leaders Experience, Third Edition

Awards

- May 2019: **First prize** - *Radargrammetry using bistatic radar images* - Student Scientific Communications Session, Telecommunications Department, ETTI, UPB.
- May 2018: **Third prize** - *Technique for improving the resolution in distance for multistatic radar* - Student Scientific Communications Session, Telecommunications Department, ETTI, UPB.
- May 2018: **First prize** - *Students' Motivation* - Student Scientific Communications Session, Psychopedagogical Department, UPB.
- July 2017: **"Originality and degree of applicability" prize** within the Orange Educational Program BSc Thesis Contest,
BSc. Thesis: *Management platform for a smart city: public lighting and crowding.*