



Ana-Maria Claudia Drăgulescu

Nationality: Romanian | **Email address:** ana.dragulescu@upb.ro | **Email address:**

amc.dragulescu@gmail.com | **Website:**

https://www.researchgate.net/profile/Ana_Dragulescu2 | **Website:**

<https://www.anadragulescu.ro> | **Skype:** anadragulescu |

Address: Iuliu Maniu 1-3 Avenue, 061071, Bucharest, Romania (Work)

WORK EXPERIENCE

2024 – CURRENT Bucharest, Romania

ASSOCIATE PROFESSOR NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY POLITEHNICA BUCHAREST

01/11/2022 – 2024 Bucharest, Romania

LECTURER UNIVERSITY POLITEHNICA OF BUCHAREST

- 1st year, Bachelor's degree, Faculty of Electronics, Telecommunications and Information Technology, Course teaching and laboratory activities: **Measurements in Electronics and Telecommunications.**

- 1st year, Bachelor's degree, Faculty of Electronics, Telecommunications and Information Technology, UPB, Student projects coordination on **Applied Computer Science**

- 3rd year, Bachelor's degree, Faculty of Biotechnical Systems Engineering, Course Teaching and Laboratory Activities: **Microcontrollers, Microprocessors.**

- 3rd year, Bachelor's degree, Faculty of Engineering in Foreign Languages, Course Teaching and Laboratory Activities: **Transmissions de données (Data transmissions - teaching in French).**

- 3rd year, Bachelor's degree, Faculty of Electronics, Telecommunications and Information Technology, Laboratory Activities: **Electronic Measurement Instrumentation.**

- 3rd year, Bachelor's degree, Faculty of Electronics, Telecommunications and Information Technology, Laboratory Activities: **Multiple Access Techniques.**

2024 – CURRENT Romania

PRINCIPAL INVESTIGATOR L'ORÉAL ROMANIA-UNESCO FOR WOMEN IN SCIENCE YOUNG TALENTS PROGRAM 2023

Project: Human-centric Artificial Intelligence for Internet of Things: Application to Search and Rescue Operations

09/10/2023 – CURRENT Bucharest, Romania

DIRECTOR NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY POLITEHNICA BUCHAREST

Project: Artificial Internet of Things (AIoT) platform with embedded systems and TinyML algorithms for search and rescue applications

Contract No. 21/09.10.2023

28/07/2023 – CURRENT Bucharest, Romania

PRINCIPAL INVESTIGATOR NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY POLITEHNICA BUCHAREST

Project: ADER 6.3.13 Smart viticulture based on IoT techniques - climate change management premise, contract no. 6.3.13/27.07.2023

- Project management
- VitisIoT system implementation, architecture design
- Conducting research, writing articles, deliverables.

16/05/2022 – CURRENT Bucharest, Romania

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY POLITEHNICA OF BUCHAREST

AI4Media (H2020) Project: "A Centre of Excellence delivering next generation AI Research and Training at the service of Media, Society and Democracy.", Principal investigator UPB, Prof. Dr. Ing. Bogdan IONESCU.

Contributions: (1) Participation in project plenary meetings, (2) Conducting research in ML-based optimization of multimedia networks within Junior Fellow Exchange Program, (3) co-organising ImageCLEF benchmarking campaign, (4) Disseminating project's achievements.

14/01/2021 – 31/12/2023 Bucharest, Romania

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY POLITEHNICA OF BUCHAREST

NO Grants 2014-2021, under Project contract no. 42/2021, RO-NO-2019-0499 - "A Massive MIMO Enabled IoT Platform with Networking Slicing for Beyond 5G IoV/V2X and Maritime Services" - SOLID-B5G BS123456."

Contributions: (1) Conducting research, (2) Preparing deliverables on network slicing business models dedicated to Internet of Things, Internet of Vehicles, and maritime services, (3) Writing scientific papers to highlight the project's results, (4) Coordinating diploma theses on the topic of the project.

15/11/2020 – 31/10/2022 Bucharest, Romania

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY POLITEHNICA OF BUCHAREST

NGI-UAV-AGRO project, Next Generation Internet platform based on 5G and UAVs for precision agriculture
Contributions: (1) Conducting research, (2) Software and hardware implementation, (3) Ensuring technical guidance for procurements, (4) Writing scientific papers and deliverables.

30/09/2020 – 30/08/2022 Bucharest, Romania

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY POLITEHNICA OF BUCHAREST

SmartDelta Project: „Increasing the innovative competitiveness of SC AdNet Market Media through initial innovation investments, in order to achieve a SmartDelta technology platform, within a newly established unit for carrying out R&D activities in effective collaboration"

Contributions: (1) Use cases definition, (2) Simulations on LoRa/LoRaWAN networks for Unmanned Surface Vehicles, (3) Implementing and testing LoRa/LoRaWAN networks (from sensing devices and wireless sensor networks to servers), (4) Writing deliverables.

30/06/2018 – 19/07/2020 Bucharest, Romania

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY POLITEHNICA OF BUCHAREST

NETIO SmartAgro Project: "Telemetry system for smart agriculture"

Contributions: (1) Conducting research, (2) Hardware and software implementation, (3) Ensuring technical guidance for procurements, (4) Writing scientific articles, (5) Writing the SmartAgro patent application, (6) Presentation of the final results of SmartAgro project to NETIO project board members and to project monitor.

20/11/2017 – 28/05/2020 Bucharest, Romania

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY POLITEHNICA OF BUCHAREST

ToR-SIM Project: "Integrated software platform for malware analysis of mobile terminals"

Contributions: (1) Conducting research, (2) Writing on deliverables, (3) Participation in project meetings, (4) Ensuring technical guidance for procurements, (5) Writing of scientific articles, (6) Participation in brokerage events.

17/04/2018 – 22/05/2020 Bucharest, Romania

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY POLITEHNICA OF BUCHAREST

MultiMonD2 Project: "Multi-agent intelligent systems platform for water quality monitoring on the Romanian sector of the Danube and the Danube Delta"

Contributions: (1) Hardware and software implementations, (2) Proposal, implementation and testing of a communication solution based on LoRa communication technology to ensure the connectivity between the agents, (3) Participation in the negotiations between UPB and Vodafone Romania for NB-IoT academic subscriptions provisioning, (4) NB-IoT technology and modules testing, (5) Writing deliverables and scientific articles to highlight the project's results.

SIIMA Project: "Integrated IT management system"

Contributions: (1) Participation in project meetings, (2) Ensuring technical guidance for procurements.

2016 – 2018 Bucharest, Romania

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY POLITEHNICA OF BUCHAREST

FractOFDM research Project (OFDM system based on the use of FFT with uninterrupted argument)

GEX-2017 Project: $\Sigma\Delta$ modulation in 5G systems (Mod Σ s), Grant no. 43/25.09.2017

GEX-2017 Project: Small-scale road traffic modeling.

- Bachelor degree, 1st year, Faculty of Electronics, Telecommunications and Information Technology, UPB, Laboratory activity on **Measurements in Electronics and Telecommunications** (2014-on).
- Bachelor degree, 1st year, Faculty of Electronics, Telecommunications and Information Technology, UPB, Laboratory activity on **Electronic Instrumentation for Measurement** (2014-on).
- Bachelor degree, 1st year, Faculty of Electronics, Telecommunications and Information Technology, UPB, Laboratory activity on **Multiple Access Techniques** (2014-on).
- Bachelor degree, 2nd year, Faculty of Electronics, Telecommunications and Information Technology, UPB, Seminars on **Signals and Systems** (2017-2020).
- Bachelor degree, 2nd year, Faculty of Electronics, Telecommunications and Information Technology, UPB, Preparation and development of laboratory activity on **Signals and Systems, Circuits Analysis and Synthesis** (2017-2019).
- Bachelor degree, 4th year, Faculty of Medical Engineering, UPB, Project coordination for the discipline of **Medical Communications and Data Networks** (2017-2020).
- Bachelor degree, 3rd year, Faculty of Engineering in Foreign Languages, UPB, Course lectures on **Data Transmissions** (teaching in French, 2017-on)
- Bachelor degree, 3rd year, Faculty of Engineering in Foreign Languages, UPB, Preparing and conducting laboratory activities on **Data Transmissions** (teaching in French, 2017-on)
- Bachelor degree, 2nd year, Faculty of Electronics, Telecommunications and Information Technology, UPB, Preparation and development of project activity on **Signals and Programming** (2018-2019).
- Bachelor degree, 1st year, Faculty of Electronics, Telecommunications and Information Technology, UPB, Student projects coordination on **Applied Computer Science** (2022).
- Bachelor degree, 2nd year, Faculty of Medical Engineering, UPB, Laboratory activities on **Software for Medical Devices** (2022).
- Bachelor degree, 3rd year, Biotechnical systems engineering, UPB, Lectures on **Microprocessors and Microcontrollers** (2022-on)
- Bachelor degree, 3rd year, Biotechnical systems engineering, UPB, Laboratory activities on **Microprocessors and Microcontrollers** (2022-on).
- Master degree, 2nd year, Faculty of Electronics, Telecommunications and Information Technology, UPB, Preparation and development of laboratory applications for the discipline of **Radio and IoT Planning**

Following the activity carried out within teaching subjects, besides the diploma projects coordinated at Faculty of Electronics, Telecommunications and Information Technology, I received requests to coordinate diploma theses in collaboration with the Faculty of Medical Engineering (UPB) and Biotechnical Systems Engineering. These theses were highly appreciated by the evaluation committee and addressed topics such as: myoelectric prosthesis development and actuation, neuromotor rehabilitation using augmented reality, treatment of drop-foot pathology by electrical stimulation, AI-based social assistive robots etc.

FarmSustainBI Project, „Enabling Smart Livestock Farming Technologies for Environmental Sustainability using Blockchain”, FACCE ERA-GAS

- Sensing and communication solution proposal, testing and deployment
- Writing on deliverables
- Writing scientific papers

HUBCAP, **BIE-T4S Project**, "Business Intelligence Enhanced Venue-agnostic Threat Management Platform for Citizens' Safety and Venue Resilience"

Contributions:

- Involvement in writing the proposal
- Use cases definition
- Technical telemetry solution proposal
- Software and hardware system implementation

14/01/2021 – CURRENT Bucharest, Romania

RESEARCH ENGINEER IN COMMUNICATIONS BEAM INNOVATION

- Responsible for student internships (interview organization, students assessment, interns guidance)
- Software development for data aggregation and development platforms
- Elaboration of technical documentation and specifications
- Elaboration of research project proposals

01/12/2020 – 28/06/2022 Bucharest, Romania

RESEARCH ENGINEER IN COMMUNICATIONS BEIA CONSULT INTERNATIONAL

- Software development for data aggregation and development platforms
- Development of technical documentation
- Writing scientific papers
- Elaboration of research project proposals

● EDUCATION AND TRAINING

30/09/2016 – 14/02/2022 Bucharest, Romania

PHD DEGREE (SUMMA CUM LAUDAE) Doctoral School of Electronics, Telecommunications and Information Technology, UPB

Admission grade: 9.83

Thesis' title: Sensors-based automatic systems optimisation

Website <https://sdetti.upb.ro/>

2023 – CURRENT Bucharest, Romania

MASTER IN COUNSELING AND LEADERSHIP IN EDUCATION AND PROFESSIONAL TRAINING National University of Science and Technology Politehnica Bucharest

30/10/2023 – 02/11/2023 Cluj-Napoca, Romania

SYMPOSIUM FOR ENTREPRENEURSHIP EDUCATION Babson College

02/2023 Bucharest, Romania

POSTGRADUATE COURSES ON DIGITAL TOOLS IN THE INNOVATIVE PEDAGOGICAL APPROACH FOR TEACHING (2023) National University of Science and Technology Politehnica Bucharest

10/02/2022 Bucharest, Romania

DRONE PILOT CERTIFICATION FOR A1/A3 AREAS Romanian Civil Aviation Authority

Address Sos. Bucuresti-Ploiesti, Nr. 38-40, Bucharest, Romania | Website <https://www.caa.ro/ro/pages/contact>

23/05/2021 – 27/05/2021 Bucharest, Romania

PROGRAMME OF POSTGRADUATE STUDIES FOR CONTINUOUS IMPROVING EDUCATION: PUBLIC INNOVATION AND SMART CITY STRATEGIES Faculty of Public Administration, National University of Political Studies & Public Administration

Address Bulevardul Expoziției 30A, 012244, Bucharest, Romania | Website <http://snspsa.ro/> | Final grade 10 |

Thesis Smart Elder Box

11/06/2019 – 07/07/2019 Romania

PHYSICAL SECURITY RISK ASSESSOR TFB Securitate

I acquired the right to perform the physical security risk assessment, being registered in the National Register of Physical Security Risk Assessors, with the certificate of competences Series M, Nr. 00262755, issued on 8/28/2019.

2014 – 2016 Bucharest, Romania

MASTER DEGREE Faculty of Electronics, Telecommunications and Information Technology, UPB

Grades average: 9.72

Dissertation exam grade: 10

Address Iuliu Maniu Blvd 1-3, 061071, Bucharest, Romania |

Field of study Multimedia technologies for Content Production in Audiovisual and Communications

2010 – 2014 Bucharest, Romania

BACHELOR DEGREE Faculty of Electronics, Telecommunications and Information Technology, UPB

Grades average: 9.63

Diploma exam grade: 10

Address Iuliu Maniu Blvd 1-3, 061071, Bucharest, Romania |

Field of study Electronic Engineering and Telecommunications, Telecommunications Technologies and Systems

2006 – 2010 Urziceni, Romania

BACCALAUREATE National College "Grigore Moisil"

Profile: Real

Specialization: Mathematics-Computer Science, Intensive Computer Science

Baccalaureate exam average: 9.68

Address 5 Teilor Street, Urziceni, Romania

01/10/2023 – CURRENT Bucharest, Romania

MASTER IN COUNSELING AND LEADERSHIP IN EDUCATION AND PROFESSIONAL TRAINING National University of Science and Technology Politehnica Bucharest

Level in EQF EQF level 7

● **MOBILITIES, INTERNSHIPS AND EXCHANGES**

06/09/2022 – 31/10/2022

AI4media Junior Fellow Exchange - Université Côte d'Azur, CNRS, Sophia Antipolis, France

The internship aimed at developing a new method for multimedia network control which is based on Column Generation optimisation algorithm and Graph Neural Networks.

03/11/2022 – 09/11/2022

Education, Scholarships, Apprenticeships and Youth Entrepreneurship Program (ESAYEP), financed by SEE Grants - Financial Mechanism 2014-2021

Norway, Agder

Norway, Arendal

The overall objective of this mobility was to strengthen the cooperation between UPB and University of Agder, Norway and Telenor Maritime through project workshops and multiple face-to-face meetings including both faculty members and administration staff.

17/05/2023 – 23/05/2023

Education, Scholarships, Apprenticeships and Youth Entrepreneurship Program (ESAYEP), financed by SEE Grants - Financial Mechanism 2014-2021

Norway, Agder

The overall objective of this mobility was to strengthen the cooperation between UPB and University of Agder, Norway, by attending official meetings where diploma and master thesis were presented and future joint journal articles were planned.

● **THESIS OPPONENT**

10/03/2023 – 18/08/2023

Thesis opponent for Tor-Arne Schimdt-Nordmo PhD thesis from UiT The Arctic University of Norway.

Evaluate PhD thesis entitled "Dutkat – A Privacy-Preserving System for Automatic Catch Documentation and Illegal Activity Detection in the Fishing Industry" thesis. Deliver PhD thesis report. Establish lecture trial topic. Participate to public defense and debate.

● **SUMMER SCHOOLS**

Cyber-Physical Systems Summer School 2018 (CPS2018)

During July 16-20, at the CPS2018 summer school, Toulouse, France, I participated in the seven presentation sessions held over four days (24 h) by professors from European universities and prestigious research institutes or representatives of companies in the field of cyber-physical systems. The presentations were dedicated to: (i) Smart sensors for cyber-physical systems and the Internet of Things (IoT) and applications of these sensors to increase the quality of life of visually impaired people, (ii) Systems dedicated to indoor location and communications in the field of millimeter waves, (iii) Communications and security of cyber-physical systems, (iv) IoT cellular technologies, (v) Machine learning methods for detecting anomalies in data transmissions, (vi) Cyber-physical systems security testing software

01/09/2019 – 04/09/2019

IoT meets AI Summer School

Between September 2-5, 2019, I was selected to participate in the courses, presentations, workshops and hackathon of the "IoT meets AI" Summer School, organized by the Technical University of Munich, Siemens company and others. These activities focused on Artificial Intelligence, Semantics and IoT Composition, Security in LPWAN networks.

29/08/2022 – 02/09/2022

IoT meets Autonomy Summer School

- Participation in courses and practical activities aimed at automation and autonomy in IoT, but also at low-power networks.
- "Intelligent IoT systems" poster presentation
- Participation to IoT meets Autonomy hackathon with the challenge: "IMT - Autonomous Machine-to-Human Signaling via Integration of low-cost IoT Hardware via Bluetooth and Infrared"

Links https://ctipub-my.sharepoint.com/:p/g/personal/ana_dragulinescu_upb_ro/Efjz83l5c8FCtb7qh0ugnQEBl2rL0o-HHK9k7IDPKNt3Cw?e=nqj1cx | https://ctipub-my.sharepoint.com/:p/g/personal/ana_dragulinescu_upb_ro/EXSlpZ4EHrNAhMEyAS5yA4BIK9WlMr7tVQOYE4pG931RA?e=eezQZk

● **HONOURS AND AWARDS**

25/03/2024

Ladies 4 Tech Gala Laureate – Digital Transformation Council

01/11/2022

Contribution to Industrial Research Excellence Certificate – National Institute of Information and Communications Technology, Japan

The 25th Symposium on Wireless Personal Multimedia Communications, Herning, Denmark, 30.10.-02.11.2022.

Awarding institutions:

- National Institute of Information and Communications Technology, Japan
- Department of Business Development and Technology, Aarhus University
- Yokosuka Research Park, Japan

Best Challenge Implementation Award at IoT meets AI 2019 hackathon

At the "IoT meets AI" Summer School, September 2-5, 2019, following the hackathon organized by Siemens, IMT Atlantique and the Technical University of Munich and the successful implementation of the challenge proposed by the coordinators (Using the SIMATIC open controller to control a robot) arm which gets the target position by an AI component combined with a vision sensor), together with the team I was part of, I received the award for the best implementation ("Best Challenge Implementation Award")

09/05/2019

Special prize Eliza Leonida Zamfirescu – Honeywell

May 2019: Special prize Eliza Leonida Zamfirescu awarded by Honeywell and UPB as a member of the S-Chance team, with the proposal "Motor rehabilitation and safety in environments with a high risk of accidents" in the Techallenge 2019 competition.

20/07/2018

Best Poster Award – INSA Toulouse

The poster presented at the CPS2018 Summer School, "Cellular and Long Range Wide Area Wireless Technologies for the Internet of Things", was evaluated and awarded during the poster session.

2023

PRECISI 2023 Competition, Awarding research results - articles section

Awarding of the articles published in Q1/Q2 journals.

11/2021

PRECISI 2021 Competition, Awarding research results - articles section – UEFISCDI

Awarding of the articles published in Q1/Q2 journals.

11/2020

PRECISI 2020 Competition, Awarding research results - articles section – UEFISCDI

Awarding of the articles published in Q1/Q2 journals.

● **PATENTS AND PATENS APPLICATIONS**

28/01/2022

"Telemetry system for intelligent agriculture addressed to farmers and agricultural producers", Patent number RO135499-A2.

Authors: I. M. Marcu, O. Fratu, S. Halunga, R.-A. Vulpe, C. Florea, A. Marțian, **A.-M. Drăgulinescu**, G. Suciu, C.M. Bălăceanu, A. Drosu, R. Chevereșan, D. Miu.
Official Bulletin of Intellectual Property No. 1/2022.

Link https://www.osim.ro/images/Publicatii/Inventii/2022/bopi_inv_01_2022.pdf

"NGI-UAV-AGRO (Autonomous system for precision urban agriculture using ambient sensors and images from drones)", Patent Application A/00683/26.01.2023.

Authors: I. M. Marcu, **A.-M. Drăgulinescu**, C. Oprea, Gh. Suciu, G. Suciu.

● **BROKERAGE EVENTS AND EXHIBITIONS**

13/11/2023 – 14/11/2023

Innovative Romania, European Parliament

Exhibiting AI systems developed by AI Multimedia Lab of National University of Science and Technology Politehnica Bucharest

Participation in the international brokerage event: ICTurkey2019

On July 5, 2019, I participated in the international event ICTurkey2019 that reunited more than 300 participants. The event during which I have promoted the university was organized by Scientific and Technological Research Council of Turkey (TUBITAK), with the support of the EU-funded project "Turkey in Horizon 2020 Phase II", in Istanbul, Turkey.

The proposal sent to the organizers was selected for a travel grant and for public presentation during the Smart Health and Care Workshop.

14/02/2024

Participation in the international brokerage event: Green Technologies, Energy, and Digitalization for a Sustainable Future

● **LECTURES AND PRESENTATIONS**

Women in Engineering Forum, World Forum on Internet of Things, Aveiro, Portugal

Keynote: IoT Education vs. IoT-based or Smart Education (<https://wfiot2023.iot.ieee.org/program/women-engineering-forum>)

25/08/2022

Symposium on Grapevine Trunk Diseases, Blaj, Romania

Lecture:

The Internet of Things in precision viticulture and its role in the prevention of grapevine trunk fungal diseases

13/10/2019 – 16/10/2019

CTIF Global Capsule Workshop, Herning, Denmark

I participated in the CTIF Global Capsule workshop with two lectures:

1. Challenges in LPWAN-based IoT applications
2. Safety and Security in Smart Community

● **CONFERENCES AND SEMINARS**

12/10/2023 – 27/10/2023 Aveiro, Portugal

World Forum on Internet of Things 2023 (WF-IoT2023)

- IEEE Women in Engineering Forum - speaker and panelist
- Special session organiser

2023 Bucharest

Doctoral Symposium on Electronics, Telecommunications, & Information Technology

Proceedings chair, Reviewer

Link <https://www.sdeti.upb.ro/DoctoralSymposium/2023/index.html>

30/10/2022 – 02/11/2022 Herning, Denmark

Wireless Personal Multimedia Communications 2022 Conference

TPC Member

Chair: Technical Session 10 (01/11/2022)

Chair: WWRF Invited Speaker (Prof. Sinem COLERI) Session (02.11.2022)

Chair: WWRF Special Session 4 "Connecting Intelligence" (02.11.2022)

15/09/2022 – 16/09/2022 Valenca, Portugal

EAI IoECon 2022 (EAI International Conference on the Internet of Everything), TPC member (Assigner, Reviewer)

13/06/2022 – 15/06/2022 Bucharest

IEEE COMM22 (The 14th International Conference on Communications), TPC member (Reviewer)

05/06/2022 – 08/06/2022 Sofia, Bulgaria

IEEE BlackSeaCom 2022, TPC member (Reviewer)

13/10/2017 – 16/10/2017 Bucharest, Romania

3rd EAI FABULOUS (Future Access Enablers for Ubiquitous and Intelligent Infrastructures) Conference 2017 (Reviewer)

● **NETWORKS AND MEMBERSHIPS**

2016 – CURRENT

IEEE member

CURRENT

IEEE Internet of Things Technical Community

2016 – CURRENT

EAI member

06/2022 – CURRENT

International AI Doctoral Academy (AIDA)

Joined AIDA as a postdoc member.

2023 - CURRENT

IEEE Women in Engineering

● ORGANISATIONAL SKILLS

Faculty

- Member of the Department Council (2024-on)
- Member in the local admission committee (2023-on)
- Member of Dissertation Committees for Advanced Wireless Communications specialization (2023-on).
- Secretary in the Diploma Thesis Committees for Telecommunications Technologies and Systems specialization (2017-2023).
- Secretary in Dissertation Committees for Mobile Communications, Advanced Wireless Communications, Telecommunications, and Services and Network Management (2017-2022)
- Entrepreneurship training ("Development of entrepreneurial skills of doctoral students and postdoctoral fellowship - the key to career success (A-Succes)", ID 125125, contract no. 51675 / 09.07.2019)

Special Session co-organiser: LPWAN and 5G/6G-Enabled Artificial Intelligence of Things Applications for Internet of Ships and Maritime Internet of Things

World Forum on Internet of Things 2023, 12-27 October 2023, Portugal
<https://wfiot2023.iot.ieee.org/lpwan-and-5g6g-enabled-artificial-intelligence-things-applications-internet-ships-and-maritime>

1st Vodafone Innovation Hub Summer School, 26-30 June 2023

Co-organising the event in conjunction with the sponsor, Vodafone Romania, starting from the schedule, speakers invitation, lectures preparation, until the awarding and the end of the summer school. In addition, I was the main contact between sponsor and the involved event agencies.

Link <https://fb.watch/lzFjVh0DDI/>

Vodafone Innovation Hub - IoT direction coordinator

Starting with its launching on 04th of May 2023, I was nominated its IoT coordinator.

ImageCLEF2023/2024

Co-organising ImageCLEF2023 and ImageCLEF2024, an evaluation campaign offering several research tasks for different domains as medical, social media and Internet, and content recommendation, aimed at evaluating the technologies for annotation, indexing, and multimodal data classification and retrieval (<https://www.imageclef.org/2023>, <https://www.imageclef.org/2024>).

#PhDStudentLectures - sessions dedicated to PhD students' activity presentations

Co-organizing the presentation sessions of the doctoral students (2021-2023).

● DIGITAL SKILLS

SDR, GNU Radio

Programming

Matlab (Advanced) | Git | C/C++, Python, micropython programming | microcontrollers programming in C/C++ and micropython | Simulink

Other operating systems

Linux | Raspbian

Content editing

Audio-video editing (Sony Vegas, Adobe Premiere) | Latex | Microsoft Office: Word, Excel, PowerPoint, OneNote, Outlook, Access, Publisher, Visio

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	B2	C1
FRENCH	B2	B2	B2	B2	C1

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

● WORKPLACE SKILLS

Workplace skills

- Strong ability to work in a team and to assume tasks
- Initiative
- Expertise in the field of sensor systems and networks, Internet of Things and LPWAN networks.
- Experience in coordinating diploma and dissertation theses
- Experience in national / international project proposals
- Teaching and tutoring experience
- PhD advising.

● COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Collaborative, motivated, empathic, responsible, adaptable and creative
- High interest in involvement in extracurricular activities, volunteering
- Communication skills

● DRIVING LICENCE

Driving Licence: B

● VOLUNTEERING

09/2020 - CURRENT Breaza

Volunteer activities within the Nativity of the Mother of God parish, Breaza, Romania

- Activities for children and young people for learning English, digital skills, and computer science
- Technical support for digitizing the management of documents.

● HOBBIES AND INTERESTS

Hobbies

Hiking, Biking, Reading, Singing.

● OTHER MENTIONS

2012 - CURRENT

Married, two children
