

PERSONAL INFORMATION **Ionut-Mihai Ulinici**

 Imparatul Traian,46A 420145 Bistrita (Romania)

 0757046358

 ionut.ulinici@omt.utcluj.ro

Sex Male | Date of birth 28/08/1994 | Nationality Romanian

WORK EXPERIENCE

01/11/2016–Present

Technical University of Cluj Napoca
Research Assistant

EDUCATION AND TRAINING

01/10/2019 - present

PhD Studies in Mechatronics and Robotics

Study program: Robotics (in English)
Technical University of Cluj-Napoca, Romania

01/10/2017–21/07/2019

Master's degree

Technical University of Cluj-Napoca, (Romania)

01/10/2013–21/07/2017

Engineer degree

Technical University of Cluj Napoca, Faculty of Machine Building, specialization:
Robotics, Cluj (Romania)

15/09/2009–15/06/2013

Baccalaureate Diploma

"Andrei Muresanu" National College,Bistrita (Romania)

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication, socialization, and organization skills.
- Open with people, understanding, ability to work in a team, acquired because of various projects carried out in high school

Organisational / managerial skills

Self-confidence and teammates, mastery of current situations, punctuality, seriousness, creativity, full dedication, decency, able to coordinate various projects and open to accept ideas, proposals beneficial to both them and the company.

Job-related skills Development of teamwork. Communication skills.
Self-confidence in making decisions.
Technical elements (TPMs, elimination of errors that may occur in cars).

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Experimented user	Elementary user	Elementary user	Independent user

Digital skills - Self-assessment grid

Microsoft Office: Word, Excel, Power Point.
Programming: C++, Matlab
Mechanical Design: AutoCAD, SolidWorks, Catia, Siemens NX

Driving license B

ADDITIONAL INFORMATION

Scientific Publications

1. Tucan, P.; Vaida, C.; Ulinici, I.; Banica, A.; Burz, A.; Pop, N.; Birlescu, I.; Gherman, B.; Plitea, N.; Antal, T.; Carbone, G.; Pisla, D. Optimization of the ASPIRE Spherical Parallel Rehabilitation Robot Based on Its Clinical Evaluation. *Int. J. Environ. Res. Public Health* 2021, *18*, 3281. <https://doi.org/10.3390/ijerph18063281>
2. Major, Z.Z.; Vaida, C.; Major, K.A.; Tucan, P.; Simori, G.; Banica, A.; Brusturean, E.; Burz, A.; Craciunas, R.; Ulinici, I.; Carbone, G.; Gherman, B.; Birlescu, I.; Pisla, D. The Impact of Robotic Rehabilitation on the Motor System in Neurological Diseases. A Multimodal Neurophysiological Approach. *Int. J. Environ. Res. Public Health* 2020, *17*, 6557. <https://doi.org/10.3390/ijerph17186557>
3. A. Burz, E. Mois, B. Gherman, I. Ulinici, C. Radu, C. Vaida, N. Al Hajjar, A. Bănică, D. Pisla: Development of a control system for an innovative parallel robot used in minimally invasive treatment of hepatic tumors, s. CARE 2020, 30 October 2020, Craiova, Romania
4. Calin Vaida, Iosif Birlescu, Adrian Pisla, Ionut Mihai Ulinici, Daniela Tarnita, Giuseppe Carbone, Doina Pisla, Systematic design of a parallel robot for lower limb rehabilitation, IEEE Access, Vol 8, pp.1-15, 2020.
5. Calin Vaida, Iosif Birlescu, Adrian Pisla, Giuseppe Carbone, Nicolae Plitea, Ionut Ulinici, Bogdan Gherman, Ferenc Puskas, Paul Tucan, Doina Pisla, RAISE - An innovative parallel robotic system for lower limb rehabilitation", In: Carbone G., Ceccarelli M., Pisla D. (eds) *New Trends in Medical and Service Robotics. Mechanisms and Machine Science*, vol 65. Springer, Cham, pp. 293-302, https://doi.org/10.1007/978-3-030-00329-6_33, 2019

Projects

New frontiers in robotic assisted single port surgery: a novel robotic system with dexterous instruments
Call name: P 4 PN-III-P4-ID-PCE-2020-0572 2021 – 2023
A seniors digital platform for knowledge transfer towards industrial companies
Call name: P 3 - SP 3.5 AAL-CP-AAL-2020-7-83-CP-WisdomOfAge 2021 – 2023
An innovative modular robotic system for the rehabilitation of brachial monoparesis
Call name: P 2 - SP 2.1 PN-III-P2-2.1-PED-2019-3022 2020 - 2022

Innovative robotic guided instruments for the treatment of malignant tumors

Call name: P 2 - SP 2.1 PN-III-P2-2.1-PED-2019-4375 2020 – 2022

High accuracy innovative approach for the robotic assisted intraoperative treatment of hepatic tumors based on imagistic-molecular diagnosis

Call name: P 1 - SP 1.2 PN-III-P1-1.2-PCCDI-2017-0221 2018 – 2021

An innovative robotic system for upper limb rehabilitation

Call name: EIT Health InnoStars RIS 2019 Innovation Call 2019 – 2019

Patents

1. Spherical robot for medical recovery of the proximal area in the upper limb, Vaida Liviu Călin, Plitea Nicolae, Pîslă Doina Liana, Carbone Giuseppe, Gherman Bogdan George, Ulinici Ionuț-Mihai, Pislă Adrian, Patent number OSIM: 132233/14.06.2017

Cluj-Napoca, 11/01/2023

PhD. Student Eng. Ionuț-Mihai Ulinici