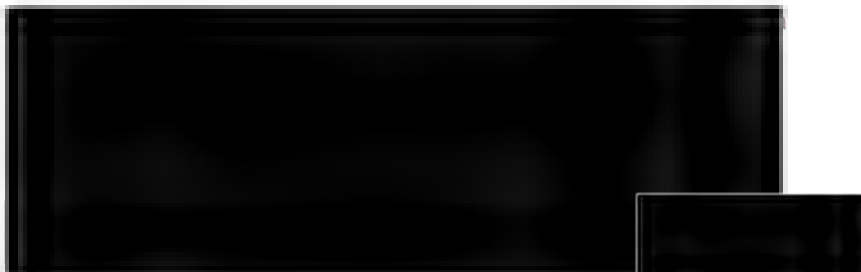


PERSONAL INFORMATION **Faragó Paul**



THE JOB APPLIED FOR
POSITION
DESIRED WORK PLACE

Associate Professor / position 14 / Technical University of Cluj-Napoca, Faculty of Electronics, Telecommunications and Information Technology, Bases of Electronics Department

PROFESSIONAL EXPERIENCE

Since 2016 **Assistant Professor at the Bases of Electronics Department**

Employer: Technical University of Cluj-Napoca, Str. Memorandumului nr. 28, Cluj-Napoca, 400114, Jud. Cluj, Romania, <https://www.utcluj.ro/>

Main activities and responsibilities: *Didactical and research*

- Lectures:
 - ✓ **Systems with Digital Integrated Circuits (Ro, Eng),** Electronic engineering, telecommunications and information technologies (Ro, Eng), Economic Engineering in the Electrical, Electronic and Energy Field, *2nd year of study*
 - ✓ **Game Theory** Technologies, Systems and Applications for eActivities (master), *1st year of study*

- Subjects:
 - ✓ Digital Integrated Circuits
 - ✓ Systems with Digital Integrated Circuits
 - ✓ Computer Aided Graphics

Activities: education, research

2011-2016 **Teaching Assistant at the Bases of Electronics Department**

Employer : Technical University of Cluj-Napoca, Str. Memorandumului nr. 28, Cluj-Napoca, 400114, Jud. Cluj, Romania , <https://www.utcluj.ro/>

Main activities and responsibilities: *Didactical and research*

- Subjects:
 - ✓ Digital Integrated Circuits
 - ✓ Systems with Digital Integrated Circuits
 - ✓ Computer Aided Graphics
 - ✓ Electronic Devices
 - ✓ Fundamental Electronic Circuits
 - ✓ Analog Integrated Circuits

Activities: education, research

EDUCATION

2009 – 2012 **Ph.D. in Engineering Sciences**
Domain: Electronics and Telecommunications Engineering

Technical University of Cluj-Napoca, Romania

March 2011 – October 2011 **Ph.D. Mobility**

Graz University of Technology, Austria, Institute for Electronics

2009 – 2011 **M.Sc.**
Domain: Integrated Circuits and Systems

Technical University of Cluj-Napoca, Romania



- 2004 – 2009 **University**
 Domain: Electronics, Telecommunications and Information Technology,
 Specialization: Telecommunications
 Technical University of Cluj-Napoca, Romania
- March 2009 – May 2009 **Erasmus Mobility**
 Graz University of Technology, Austria, Institute for Electronics
- 2000 – 2004 **High School**
 „Emanuil Gojdu” High School, Oradea, Romania

SELF-IMPROVEMENT COURSES

- February 2023 – March 2023 **Participant in the “Speech Master” course**
 Trainer: Ovidiu Oltean
- November 2022 **Participant in the “Nonformal Education Methods” course**
 Technical University of Cluj-Napoca
- April 2019 – May 2019 **Participant in the “FUTURE – Build with Passion” program, Tenaris Silcotub edition**
 Training sessions:
 - ✓ Understanding the skills in the field of work
 - ✓ New teaching methods for the new generation
- April 2013 – December 2013 **Scholarship in the DidaTec training program**
 Technical University of Cluj-Napoca

PERSONAL COMPETENCES

Mother Languages Romanian, Hungarian

Foreign Languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Conversation	Listening	Reading
English	C1	C1	C1	C1	C1
	Cambridge Certificate of Advanced English				
German	B2	B2	B2	B2	B1
French	A2	A2	A2	A2	A2

Levels: A1/2: Elementary user - B1/2: Independent user - C1/2: Experienced user
 Common European Framework of Reference for Foreign Languages

- Communication skills**
- good communication skills acquired through :
 - ✓ Skills acquired during the Speech Master course: emotional control during presentations, non-verbal communication, structuring a presentation, building slides, vocal variety, interacting with the audience, handling questions, evaluating a presentation
 - ✓ Trainer within the CNFIS-FDI-2020-064 project Excellence education through the integrated use of educational technologies and the transition to the virtual campus



Technical skills and competences

- analysis and design of analog, digital and mixed signal integrated circuits
- design of integrated circuit and PCB layout
- analysis and design of biomedical monitoring and electrostimulation systems
- analysis and design of analog interfaces for telecommunications terminals
- computational intelligence techniques
- advanced knowledge in the use of CAD tools for the design of integrated circuits (Spice, Cadence and Mentor Graphics)
- good knowledge of hardware description languages (Verilog, VHDL) and simulation of digital circuits
- good knowledge of Matlab/Simulink, ModelSim, Vivado development environments
- elementary knowledge of the Labview, Siemens Simatic Step7 development environments

Computer skills

- good knowledge of the Microsoft Office™ tools (Word, Excel, PowerPoint, Visio, OneNote, Teams)
- good knowledge of the Windows operating system
- basic knowledge of sound processing applications (Sony Sound Forge, Cool Edit)
- elementary knowledge of Adobe Photoshop

Driving license

- B category

ADDITIONAL INFORMATION

Publications

- 70 publications, from which
 - ✓ journals: 17, from which 11 ISI
 - ✓ conferences: 39, from which 29 ISI Proceedings
 - ✓ other publications: 14

- 68 citations in Web of Science

Projects

- Design and implementation of a demonstrator for a monitoring system with the help of artificial intelligence for patients with neurodegenerative diseases (2021-2022)
 - ✓ Project leader
 - ✓ Cooperation with the economic environment – national project, ELYSEUM SRL Sibiu
 - ✓ Nr. 21738/30.07.2021
 - ✓ Value 55000 RON
 - ✓ 1 ISI Q1 (FI 5.743) paper
 - ✓ 2 IEEE conference papers
- Education excellence through the integrated use of educational technologies and the transition to the virtual campus (2020)
 - ✓ National project team member
 - ✓ CNFIS-FDI-2020-064
- Innovative technological approaches for validation of salivary AGEs as novel biomarkers in evaluation of risk factors in diet-related diseases (2018-2020)
 - ✓ International project team member (“Iuliu Hațieganu” University of Medicine and Pharmacy from Cluj-Napoca)
 - ✓ COFUND-ERAHDHL ERANET Project, European and International Cooperation - Subprogram 3.2 - Horizon 2020, PNCDI III Program - Biomarkers for Nutrition and Health
 - ✓ 1 ISI Q2 (FI 3.84) paper
 - ✓ 2 ISI Proceedings papers
 - ✓ 1 international conference abstract
 - ✓ 2 national conference abstracts
- Optical nano-biosensor with smartphone interface for fast and selective detection of antibiotics in water (2017-2018)
 - ✓ National project team member
 - ✓ PN-III-P2-2.1-PED-2016-0172
 - ✓ 1 ISI Q1 (FI 4.83) paper
 - ✓ 5 conference papers, from which 4 ISI Proceedings
 - ✓ 1 local workshop paper



- Development of a portable biomedical monitoring system with intelligent parameter control (2017-2018)
 - ✓ Project leader
 - ✓ Internal project CICDI 2017
 - ✓ Nr. 2000/12.07.2017
 - ✓ Value 16000 RON
 - ✓ 1 ISI Q4 paper
 - ✓ 2 ISI Proceeding conference papers
- Proiectarea unor circuite integrate cu aplicații biomedicale folosind tehnici de calcul evoluționist (2014-2015)
 - ✓ Cercetător post-doctoral
 - ✓ POSDRU/159/1.5/S/137516 – PARTING
 - ✓ 1 articol ISI Q4
 - ✓ 2 articole BDI
 - ✓ 1 articol ISI Proceedings
- Presentations**
 - Sensor network analog front-ends for monitoring systems in dental medicine, Napoca Biodent, Cluj-Napoca, 2017
 - Optical sensors with applications in the medical field (in Romanian language), "Biosensors with applicability in the medical field. News and perspectives" round table, "Iuliu Hațieganu" University of Medicine and Pharmacy from Cluj-Napoca, 2017
 - Techniques for implementing a portable patient monitoring system, "Methods for the assessment of AGEs (Advanced Glycation End Products) in biofluids and tissues" round table, "Iuliu Hațieganu" University of Medicine and Pharmacy from Cluj-Napoca a, 2018
- Conferences**
 - Chair:
 - ✓ 2019 42nd International Conference on Telecommunications and Signal Processing (TSP), Session O 19: Image and Video Signal Processing I, 2019
 - Member of the scientific board:
 - ✓ Meditech 2018 - Scientific Advisory Committee
 - ✓ Technical Program Committee Member, International Conference on Telecommunications and Signal Processing (TSP), 2020
 - ✓ Technical Program Committee Member, International Conference on Telecommunications and Signal Processing (TSP), 2021
 - ✓ Technical Program Committee Member, International Conference on Telecommunications and Signal Processing (TSP), 2022
 - ✓ Technical Program Committee Member, International Conference on Telecommunications and Signal Processing (TSP), 2023
- Affiliations**
 - The National Society for Medical Engineering and Biological Technology, <https://snimtb.ro/>
 - IEEE
- Research**
 - UEFISCDI ID: U-1700-032V-0379
 - ResearcherID: AAJ-7212-2020
 - Scopus Author ID: 36634055200
 - ORCID: 0000-0001-7824-8506

