Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	**Gavriluț Ioan**
Address(es)	1 Universității Street, 410087, Oradea (Romania)
Telephone(s)	0259432830 int. 9735 Mobile
E-mail(s)	gavrilut@uoradea.ro
Nationality	Romanian
Date of birth	
Gender	Male

Desired employment / Occupational field	**Electronics Engineer**

Work experience

Dates	October 2002 - present
Occupation or position held	Assistant Professor
Main activities and responsibilities	Courses and Technical Laboratory with students: Disciplines – Electronics, Video equipments, Testing of electronic equipments, Electronics Systems in Robotics, Analog Integrated Circuits
Name and address of employer	University of Oradea, Faculty of Electrical Engineering and Information Technology, Electronics Department 1 Universitatii, Oradea (Romania)
Type of business or sector	Education
Dates	October 1998 – September 2002
Occupation or position held	Teaching Assistant
Main activities and responsibilities	Technical Laboratory with students: Disciplines - Electronic Devices and Circuits, Fundamentals of Television, Fundamentals of Robotics
Name and address of employer	University of Oradea, Faculty of Electrical Engineering and Information Technology, Electronics Department 1 Universitatii, Oradea (Romania)
Type of business or sector	Education
Dates	October 1996 – September 1998
Occupation or position held	Junior Teaching Assistant
Main activities and responsibilities	Technical Laboratory with students: Disciplines – Microwaves, Fundamentals of Television
Name and address of employer	University of Oradea, Faculty of Electrical Engineering and Information Technology, Electronics Department 1 Universitatii, Oradea (Romania)
Type of business or sector	Education
Dates	April 1996 – September 1996
Occupation or position held	engineer
Main activities and responsibilities	audio-video equipments repair
Name and address of employer	SC. INSERT-IMPREST S.R.L., Oradea (Romania)

Type of business or sector	service
Research Project	Grant CNCSIS A 639/2005 - obtained from national competition
Title	Tools for assisted movement of people with visual disabilities
Director	PhD Professor Eng. Virgil Tiponuţ, Politechnica University from Timişoara
Dates	2005 – 2007, team member
Research Project	Grant CNCSIS A 473/2006 - obtained from national competition
Title	Using Cellular Neural Network Technology for Autonomous Navigation of Mobile Robots
Director	PhD Professor Eng. Alexandru Gacsádi, University of Oradea
Dates	2006 – 2007, team member
Research Project	PN II Program - Ideas 668/2008, contract Nr. 645/01.19.2009, exploratory research project in Engineering Science, Electronics and Telecommunications domain - obtained from national competition
Title	Development of analysis and processing methods of computed tomography images using cellular neural networks and their integration into a system to assist medical diagnosis
Director	PhD Professor Eng. Alexandru Gacsádi, University of Oradea
Dates	2009 – 2011, team member
Relevant scientific papers	1. **I. Gavriluţ**, L. Ţepelea, A. Gacsádi, *Indoor localization method based on the sound signal - An Experimental Setup*, Proc. of 15th Int. Conf. on Engineering of Modern Electric Systems (EMES), pp., 13-14 June 2019, Oradea, Romania, ISBN: 978-1-7281-0773-8, 978-1-7281-0774-5. 2. **I. Gavriluţ**, L. Ţepelea, A. Gacsádi, *Path planning based on intermediate targets using Cellular Neural Networks*, Proc. of 13th International Conference on Engineering of Modern Electric Systems, 11-12 June 2015 (IEEE Xplore). 3. **I. Gavriluţ**, L. Ţepelea, A. Gacsádi, *CNN processing techniques for image-based path planning of a mobile robot*, Proc. of The 15th WSEAS International Conference on SYSTEMS, Corfu Island, Greece July 14-16, 2011 4. **I. Gavriluţ**, V. Tiponut, A. Gacsádi, *Path Planning of Mobile Robots by Using Cellular Neural Networks*, Proc. of The 10-th IEEE Intern. Workshop on Cellular Neural Networks (CNNA 2006), ISBN: 1-4244-0639-0, pp. 108-113, Istanbul, Turkey, 28-30 August, 2006 (ISI Proceedings/IEEE Xplore/INSPEC). 5. **I. Gavriluţ**, A. Gacsádi, L. Ţepelea, V. Tiponuţ, *Motion planning for two mobile robots in an environment with obstacles by using cellular neural networks*, Proc. of The 7-th Intern. Symp. on Signals, Circuits and Systems (ISSCS '05), Vol. 2, ISBN: 0-7803-9029-6, IEEE Catalog Number 05EX1038, pp. 801-804, Iaşi, July 14-15, 2005.

Education and training

Dates	1999 – 2007
Title of qualification awarded	PhD Topic: Contribution to the mobile robot navigation by using cellular neural networks
Documentation Domain	Electronics and Telecommunications
PhD Leader	PhD Professor Eng. Virgil Tiponuţ, Politechnica University from Timişoara
Preliminary exam held	English Language for communication and documentation
Examinations held	Sensors and transducers Mobile robots Cellular Neural Network
Reports presented	Sensors used in mobile robot navigation Cellular Neural Networks Path planning by using cellular neural networks
Dates	October 1995 – 1997
Title of qualification awarded	Master degree, Profile - Technologies using heating in the field of inductive and microwave
Principal subjects / occupational skills covered	Microwave technology Inductive heating
Name and type of organisation	University of Oradea, Faculty of Electrical Engineering and Information Technology

providing education and training	1 Universitatii, Oradea (Romania)
Dates	October 1990 - June 1995
Title of qualification awarded	Electronics Engineer, Profile – Applied Electronics
Principal subjects / occupational skills covered	Electronic Devices and Circuits Fundamental of Robotics Computer Programming Analog Integrated Circuits Computer Graphics Electrical and Electronic Measurement Industrial Electronics Fundamental of Television Data Acquisition Systems
Name and type of organisation providing education and training	University of Oradea, Faculty of Electrical Engineering and Information Technology 1 Universitatii, Oradea (Romania)
Dates	September 1986 – July 1990
Title of qualification awarded	Bachelor in Electronics
Principal subjects / occupational skills covered	electronics, automation
Name and type of organisation providing education and training	*Traian Vuia* High School Oradea (Romania)

Personal skills and competences

Mother tongue(s)	**Romanian**

Other language(s)

Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Listening		Reading	
English	B2	Independent user	B2	Independent user	B1	Independent user	A2	Basic User	B1	Independent user
French	B1	Basic User	B1	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

Social skills and competences	Communication Skills, Research Skills, Training Skills, Teaching Skills, Teamwork Skills
Organisational skills and competences	Planning and Management Skills
Technical skills and competences	Various knowledges in Electronics, from Electronic Devices and Electronic Equipments
Computer skills and competences	Advanced using of PC, Using Office type programs, Knowledge of design and simulation software in Electronics: Matlab, Cadetwin, Circuit Design Suite, Knowledge of graphics and desktop publishing programs: Visio, Photoshop Knowledge of techniques for recovering data in case of crash of the operating system
Personal web page	http://gavrilut.webhost.uoradea.ro/
Driving licence(s)	B Category

Oradea,
5.12.2022

Ioan GAVRILUŢ