

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)

Ferenc Tajti

Address(es)

Address: 23. Bartók Béla Street, 3360 Heves, Hungary
Temporary address: 9-11. Irinyi Street, 1111 Budapest, Hungary

Telephone(s)

+36-20-226-8799

E-mail

ferenc.tajti@hotmail.com

Nationality

Hungarian

Date of birth

30th May 1988, Eger

Gender

férfi

Desired employment / Occupational field

Mechatronics and robotics

Work experience

Dates

2012. January –now

Occupation or position held

Research assistant

Main activities and responsibilities

mobile robot development and design

Name and address of employer

Hungarian Academy of Sciences, Office for Subsidised Research Units, 13 Teréz Street, 1067. Budapest, Hungary

Type of business or sector

technical development

Dates

2011. January - 2011. May

Occupation or position held

Scientific assistant

Main activities and responsibilities

industrial robot controller development

Name and address of employer

Narvik University College, Narvik, Norway

Type of business or sector

technical development

Education and training

Dates

2012. –now

Title of qualification awarded

Ph.D. student (expected year of graduation: 2015.)

Principal subjects/occupational skills

Mechatronics and robotics

Name and type of organisation
providing education and training

Budapest University of Technology and Economics

Dates 2011-2012.
 Title of qualification awarded Mechatronical Engineer MS.
 Principal subjects/occupational skills Integrated engineer
 Name and type of organisation providing education and training Budapest University of Technology and Economics

Dates 2007-2011.
 Title of qualification awarded Mechatronical Engineer BS.
 Principal subjects/occupational skills Integrated engineer
 Name and type of organisation providing education and training Budapest University of Technology and Economics

Personal skills and competences

Mother tongue(s) **Hungarian**

Other language(s)

Self-assessment
 European level (*)

English

Deutsch

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		
superlative	superlative	superlative	superlative	superlative	
elementary	elementary	-	-	-	

(*) [Common European Framework of Reference for Languages](#)

Technical skills and competences Beágyazott rendszerek, teljesítmény elektronika, robotvezérlők, mobilrobotok felépítésének, tervezésének, kivitelezésének ismerete

Computer skills and competences Programming languages: C, C++, Java, Matlab,
 Software knowledge: AvrStudio, Atmel Studio, Codevision Avr, Eagle, Autodesk Inventor, Autocad, Labview, Photoshop, Amesim, FST4, Code Composer Studio, Ni Circuit Design, Netbeans, Solidworks, Matlab, Maple, Wolfram Alpha, Microsoft Office

Additional information

Publications:

Kovács B., Szayer G., Tajti F. Design of a universal robot controller. PERIODICA POLYTECHNICA-MECHANICAL ENGINEERING 55:(2) pp. 95-100. (2011) DOI: 10.3311/pp.me.2011-2.06

Kovács B.;Szayer G.;Tajti Ferenc, „DESIGN OF A UNIVERSAL ROBOT CONTROLLER”, Mechanical Engineering 2012 Conference, Budapest, Hungary, 2012.05.23. pp. 249-262.

Kovács Bence, Szayer Géza, Tajti Ferenc, Devecseri Viktor, Korondi Péter, „Szociális robotok a 21. században: MOGI Robi a hűséges társ”, In: Erdélyi Magyar Műszaki Tudományos Társaság. Kolozsvár, Romania, 2012.04.19. Kolozsvár: pp. 238-241.

Bence Kovács, Géza Szayer, Ferenc Tajti, Péter Korondi, István Nagy, „Robot with Dog Type Behavior” In: 17th International Conference on Electrical Drives and Power Electronics. High Tatras, Slovakia, 2011.09.28. pp. 347-352.

Bence Kovács, Géza Szayer, Ferenc Tajti, Solvang Bjorn, Péter Korondi, „Design of a universal robot controller Robi” In: Design of a universal robot controller Robi. Budapest, Hungary, 2011.11.15. pp. 1-13.

University experiences: (2007-2012.)	<p>2009. Rigó Máté és Tajti Ferenc: „Eurorobot 2009” BME GPK III. Price 2010. Tajti Ferenc: „Öt szabadságfokú humanoid robotkar tervezése és vezérlése” BME GPK I. Price, OTDK I. Price 2011. Tajti Ferenc: Univerzális robotvezérlő fejlesztése BME GPK I. Price 2011. Tajti Ferenc: „Delta típusú ipari robot tervezése” BME GPK Commendable</p>
Project experiences: (2007-2012.)	<p>Robot build for Eurobot 2009 competition BME-VIK Eurobot team member: 2007-2009 designer, 2009-2011 mechatronic consultant Supervising a microcontroller labor in 2009/2010 at University Autonomous line follower robot mechanical, electronical and software construction Mechanical, electronical, and software construction of a robot arm with five DOFs Mechanical design of an industrial delta type parallel robot with four DOFs Design and build of an universal industrial robot controller in team for Narvik University College, Norway in 2010/2011 spring semester in Hunorob project (HU0045) Development of the 1.1 version robot controller for the mechatronical department (MOGI) Development of a 3 phase inverter for AC, BLDC, and PMSM motors Automatisation of a CNC machine for MTA-Sztaki Design and build of holonomic based mobile robots for Elte-Ethology department, and BME-MOGI Department</p>