
Jozsef Klespitz

Personal particulars

Date and place of birth: Dombóvár, 1988. january 25.

Address: H-7200, Dombóvár, Gábor Béla str. 55.



Studies

- 2014 - Óbuda University**
Doctoral School of Applied Informatics and Applied Mathematics
PhD student
Research field: Development of process improvements in biomedical engineering
- 2011 – 2014. **Budapest University of Technology and Economics**
Faculty of Electrical Engineering and Informatics
Biomedical Engineering (Msc.)
Thesis: Citrate Thrombotic development for acute dialysis devices
- 2010 – 2013. **Budapest University of Technology and Economics**
Faculty of Electrical Engineering and Informatics
Electrical Engineering (Msc.)
Embedded and control system specialization
Thesis: Development of a simple oscilloscope and logic analyzer
- 2006 – 2010. **Budapest University of Technology and Economics**
Faculty of Electrical Engineering and Informatics
Electrical Engineering (Bsc.)
Embedded and control system specialization
Thesis: Automatic zero-point compensation of EKG amplifier
- 2002-2006. Illyés Gyula High School, Dombóvár

Professional experiences

2012. July. - **BBraun Medical Kft – Software engineer trainee**
Citrate anticoagulation development, controller design, support of MatLab integration, code quality improvement
2011. June. – July **BUTE Department of Control Engineering and Information Technology, Trainee**
Support of patient metabolism in intensive care units (SPRINT and STAR protocols)
2009. July – Aug. **Elcoteq Kft. Pécs – Trainee**
PWM generator design for Spartan 3e FPGA and application for motor control

Other knowledge

Languages: **Hungarian**, native

Fluent spoken and written **English** (CEFR B2)

Good spoken and written **German** (CEFR B2)

Informatics: Basic skills: Office softwares (Office, Word, Excel)

Advanced skills: Visual Studio 2010 (C, C++, C#), MatLab, Xilinx EDK, Xilinx ISE, Eclipse, NI Labview, IBM Doors, IBM Lotus Notes, Doxygen, Tortoise SVN

Lesser known: WinAVR, KEIL C51

Driving licence: „B” type — automobile (2005.)

Important publications

Klespitz J., Takács M., Rudas I., Kovács L. “Performance of soft computing controllers in hemodialysis machines”, *International Journal of Fuzzy Systems*, Vol. 17. No. 3, pp. 414-422, Springer-Verlag, 2015.

Klespitz, J.; Kovács, L.: Identification and control of peristaltic pumps in hemodialysis machines. In, *IEEE 14th International Symposium on Computational Intelligence and Informatics (CINTI)*, IEEE, 2013.

My other publications can be found in the Hungarian National Collection of Scientific works (MTMT), or in Google Scholar:

<https://vm.mtmt.hu//search/slist.php?lang=0&AuthorID=10044293>

<https://scholar.google.hu/citations?user=yQ0t2k4AAAAJ&hl=en&oi=ao>

Personality

I am reliable and inquiring, I make understand myself with other easily. I learn swiftly and can work well with a team also do organizational tasks willingly.

Hobby

Reading, rock- and wall climbing, squash, trekking

5th November 2015.

Budapest

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