Curriculum Vitae

Personal data:

Name: Dr. Péter Olajos

Place and date of birth: Miskolc, 23. December 1976

Current workplace: University of Miskolc, Faculty of Mechanical Engineering and Informatics, Department of Electrical and Electronic Engineering

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Studies:

1991-1995, Ferenc Földes Secondary School in Miskolc: class of special (the first half of 1991) physics and later class of (from the second half of 1991) special mathematics.

1995-2000, Lajos Kossuth University in Debrecen, maths and physics teacher, excellent diploma.

2001-2004, University of Miskolc, Institute of Informatics, technical informatics, systems engineering (logistics), diploma with degree five.

2000-2003, University of Debrecen, Ph.D. curse, Math and Computer Science Doctoral School in Debrecen.

Curses of OKJ:

2016, succesful Bee keeper exam.

2021-2023, Ottó Bláthy Electrical Engineering Technical School, power electrical technician.

Language knowledge:

English (middle degree) „C" type language exam. I also studied german in my secondary schoool (I can read documentation in writing).

Knowledge in Informatics:

The studied, used programming languages and operation systems: C, C++, Java, Python, LaTeX, Shell Script, Javascript. 2000-2010: Win98, Win2000, WinXP, Win7. 2006- : Linux: OpenSuse, OpenSuse Leap.

2001-2004 Programming tasks by Java (with my colleagues at University of Miskolc): english dictionary (servlets), commands of SQL using at database of XML (SOAP, XML, JSF), in the vacuum cleaner Factory of Electrolux in Jászberény: delivery scheduling software (using swing).

2010-2011 Converting lecture notes to the type of DocBook XML (common work with my colleague Dr. Lászlóval Kovács): We made a special software which can convert different type of lecture notes to the type of DocBook XML using the instructions of Tankönyvtár. During the construction we used a lot of different programming and script languages e.g. FoxPro, shellscript, XML style.

2013- Repairing control units (ECU) and program microcontrollers (MCU) by known binary programs: as a self employer I have worked as electrician a few years ago (full family house electrician construction). During this type of construction I also started the reparation of control units of add-on-heaters (Eberspächer, Webasto) for service centers. In a reparation not only I have to find and repair mistakes in electronics, but I have to change microcontrollers in many cases. Because of this fact I have to read and write programs using MCU-s. For this task I use a lot of programmers and diagnostic tools (DATAMAN 48Pro2 or Xprog). I am interesting in writing new programs in MCU-s, so I started to study the programming AVR for an Atmega MCU.

2013-2014 Converting lecture notes to the type of DocBook XML for Műszaki Tankönyvkiadó: I used the earlier technics with the modification that I have to convert Microsoft Office docs to DocBook XML. I modified the few parts of the program to create a suitable type of XML.

2017- EFOP of Tudásvár: We are creating an application of WEB, we are using client and server type programming tools (in programming language Python anf Javascript).

- 2020- From 2020 in my own business as self employer I have started the repairing of power generators with gasoline or diesel engines. I separately learned how to wind generators (stationary and rotor) from old hungarian masters. I am also constantly developing the methods of the related control electronics on my own experience.

Scientific degree: Ph.D. (Mathematics, 2005).

Number of supervised theses: 16 pieces.

Number of TDK theses: 1db (special prize at the national level in 2011)

Number of publications published: 11 pieces.

Refereed: 9 pieces.

Ph.D. dissertation: 1 pieces.

Conference publication: 1 pieces.

Furthermore, I held conference and institutional presentations at 14 times and 4 times, respectively.

Own curses in Education:

(in Debrecen: 1998-2003) Linear Algebra (practices) I., II. (I was a demonstrator and later a Ph.D. student).

(in Eger: 2003-2008) Algebra (practices), Linear Algebra (lectures and practices), Analysis (practices), Word Processing (by TEX and LATEX) (lectures and practices), Informatics of Logistics I-II. (practices), Corporate Informatics I-II. (practices), Warehousing Technology (practices).

(in Miskolc, Department of Applied Mathematics: 2008-2021) Computational Theory (lectures), Probability and Statistics (practices), Parallel Algorithms (lectures, practices, used programming languages: MultiPascal, C, Java, used operation systems.: Windows and LINUX), Programming Parallel Devices (lectures, practices, used programming languages: OpenMP, Pthreads, OpenCL by C with cmake, operation systems: LINUX), Program Planning Skills (lectures, practices), Introduction to the Word Processing of TEX (lectures, practices), Cryptography (lectures, practices), Mathematics Economy II. (practices), Optimalization (practices), Parallel Algorithms (lectures, practices for foreign students).

(in Miskolc, Department of Electrical and Electronic Engineering: 2021-) Electronics (lecture and practice), Electronics III. (practice), Power electronics (lecture and practice), Basic electrical laboratory (exercise).