Jaroslav Fojtík

Personal Details
- Title: Research Engineer
- Position: ESC Aerospace
- Date of Birth: November 15, 1971
- Job Experience: 19 years
- Marital Status: Single
- Nationality: Czech

Education and Professional Qualifications
- 1990 Secondary Technical School of Electrical Engineering Branch of study: Technical Cybernetics.
- 1995 Czech Technical University (CTU), Faculty of Electrical Engineering, Prague, Czechoslovakia, Branch of study: Technical Cybernetics, Ing. degree (equivalent to MSc).
- 2000 Czech Technical University (CTU), Faculty of Electrical Engineering, Department of Artificial Intelligence, Computer Vision Laboratory, Branch of study: Artificial intelligence and bio-cybernetics, Topic of study: Lossless Image Compression. PhD. degree.

Career History
- 1999:   Researcher, CTU FEL, Center of Machine Perception.
- 1999 - 2005: Research Engineer at Honeywell Prague Laboratory.
- 2005 - 2007: Programmer in HUMUSOFT.
- 2010 - 2015: Programming drivers for TEDIA s.r.o.
- 2007 - 2018: Software developer in ESC

General Knowledge
- Design, implementation and tuning of control algorithms.
- Image processing and recognition, range finder scanning.
- C, C++, C#, Pascal, Matlab, BASIC, Assembler programming.
- Component based technology COM, DCOM, ActiveX.
- Basic electronic TTL, CMOS, Altera and Xilinx circuits.
- GUI design with Qt or VCL widget sets
- Avionics and autopilot design
- CAN and CAN Open protocol

Previous Project
- Embedded Electronic Controller for Pressure Reducing Valve - template solution
- GUIs for powerplants (Economic Load Allocation, Tie Line)
- Graphical tools charting QuinnCurtis, QWT, TeeChart and ActiveX technology
- Porting of UES applications to the Honeywell URT framework.
- GUIs for educational models – Ball & Plate, Magnetic levitation
- Design of PCI card DAQ device, Windows drivers.
- Performance Assessment Tool for processing satellite images.
- Autopilot for small UAV drone & autopilot for hexacopters
- Radiation detector - data from sensor processing
- Using Aerosim-RC in HWIL for teaching autopilot operation

Current Projects and Duties
- GUI for drone detection radar
- Maintain network and router for ESC company

Language skills
- English – fluently
- Russia – good
- German - basics

Publications
- 3 articles in scientific journals
- 15 papers, mostly in conference proceedings
- book: NetBIOS and IPX/SPX - programming with using network interfaces.

Personal Interests
- Hiking (mountains), photography, swimming, computer programming and psychology.

Others
- Driving license A, B from 10.5.1994