

Ivo PETRÁŠ

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OBJECTIVE	To be a highly skilled Information and Control Systems professional engineer and research scientist;
SKILLS	Engineering knowledge: <ul style="list-style-type: none">• Modeling, Simulation, Optimization, Applied Mathematics, Design of Information and Control Systems, Direct Control, Numerical Analysis, Data Analysis and Visualization, Signal Processing,• Industrial Automation: probes, actuators, controllers, etc., PLC, PIC, PCL, Electrical Measuring; Computers/Software: <ul style="list-style-type: none">• <u>OS</u>: DOS, MS Window 9x/ME/XP/NT, QNX, Unix, Linux, Novell NetWare;• <u>App</u>: MS Office (Excel, Word, Power Point, Access, Front Page, Visio), Matlab, LaTeX, Adobe;• <u>Programming</u>: C/C++, Pascal, Basic, HTML, XML, CSS, PHP3, JavaScript, SQL; PostScript;• <u>HW</u>: LAN devices, modems, interface cards, motherboards, processors, RAM, drivers, CDROM;
CAPABILITIES	Work long hours without physical stress, effective listener and communicator, quick study; Practical experiences in industry, ability to communicate in technical language; Work effectively independently or as part of a team, enjoy new challenges; Strong troubleshooting, coding, installation and configurations skills, good decision maker;
EDUCATION	♣ TECHNICAL UNIVERSITY of KOSICE, SLOVAK REPUBLIC <ul style="list-style-type: none">• <i>Ph.D. degree</i>, March 2000, Industrial Automation and Process Control – received Ph.D. diploma,• <i>Master of Science</i>, June 1997, <u>Major</u>: Process Control Engineering, <u>Minor</u>: Technological management, Passed state examination – received M.Sc. diploma. ♣ SECONDARY VOCATIONAL SCHOOL in KOSICE - SACA, SLOVAK REPUBLIC 09/88 – 06/92, <u>Major</u> : Electronic technician, <u>Minor</u> : Industrial automation, <u>Training</u> : Vocational training in US Steel, Inc., Kosice, (former VSZ a.s.), Slovak Republic over various plants. <ul style="list-style-type: none">• Qualification was confirmed by CCPE (Ottawa, Canada) as an <u>Industrial Engineer</u>.
ACTIVITIES	Reviewer of International Federation of Automatic Control – IFAC : (since 2001); Member of committee of International Carpathian Control Conference – ICCC : (1999 – 2002); Member of Slovak Society of Applied Cybernetics and Informatics – SSAKI : (1997 – 2002); Research visits and invited lecture at Institute of Automation in Leoben, Austria – (2000 – 2002); Executive committee member (volunteer) of company – Urbariát obce Poproč – (since 2001);
EXPERIENCE	♣ JOHN'S ELECTRONICS, LTD., CHILLIWACK, B.C., CANADA <u>Electronic technician</u> ; <i>part time</i> : 09/2002 – 07/2003 <ul style="list-style-type: none">• Repairing: CD players, Receivers, Amplifiers, TVs, and other electrical equipments;• Installing: satellite antennas and receivers, audio systems; ♣ STEVE'S ELECTRONIC SERVICES, ABBOTTFORD, B.C., CANADA <u>Web programmer</u> ; <i>contracting</i> : 06/2002 – 07/2003 <ul style="list-style-type: none">• Programming and Design: Web site (HTML, CSS, PDF), PIC microcontrollers devices (BASIC); ♣ TECHNICAL UNIVERSITY of KOSICE, SLOVAK REPUBLIC <u>Research assistant professor</u> ; <i>full time</i> : 08/1997 – 05/2002 <ul style="list-style-type: none">• Researching: control theory, applied mathematics, industrial automation, information technology;• Solving of engineering and scientific projects (solved 3 grants and 1 scientific - technical project);• Publishing: more than 45 scientific refereed publications in journals and proceedings;• Lecturing: courses related to control systems theory, signal processing, and applied informatics; ♣ NTS, LTD., KOSICE, SLOVAK REPUBLIC <u>SW engineer</u> ; <i>part time</i> : 09/1998 – 05/2002 <ul style="list-style-type: none">• Programming: SW (C/C++, Turbo Pascal), Web site (HTML), networks; system configuring;• Install/upgrade: HDD, CDROM, motherboard, processor, printers, modems, LAN net devices; ♣ US Steel, Inc., KOSICE, SLOVAK REPUBLIC <u>Process control engineer/programmer</u> ; <i>contracting</i> : 08/1997 – 05/2002 <ul style="list-style-type: none">• Design and Programming: Mathematical model and control system of blast furnace #3 (C++); Control of speed of turboexhausters for agglomeration belt (C++); Small amount gas flow meter;
REFERENCES	References, full portfolio, and list of publications available on request or during interview.