

Europass Curriculum Vitae

Personal information

Firstname(s) / Surname(s) Jan Hrabina
Address(es) Královopolská 147, 61264 Brno, Czech Republic
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E-mail hrabina@isibrno.cz
Nationality Czech
Date of birth October, 19th, 1979
Gender M

Work experience

Dates 06/2009 – onwards
Occupation or position held Scientist
Main activities and responsibilities Research of detection methods for absorption iodine cells quality evaluation
Frequency stabilization of laser etalons
Name and address of employer Institute of Scientific Instruments, AS CR, v. v. i., Královopolská 147, 612 64 Brno, Czech Republic
Type of business or sector Research and development, electronics

Dates 2005 – 06/2009
Occupation or position held PhD student
Main activities and responsibilities Research of detection methods for absorption iodine cells quality evaluation
Frequency stabilization of laser etalons
Name and address of employer Institute of Scientific Instruments, AS CR, v. v. i., Královopolská 147, 612 64 Brno, Czech Republic
Type of business or sector Research and development, electronics

Dates 2001 – 2005
Occupation or position held Technologist of the gas lasers
Main activities and responsibilities Technology and construction of the gas lasers, electronics
Name and address of employer Institute of Scientific Instruments, AS CR, v. v. i., Královopolská 147, 612 64 Brno, Czech Republic
Type of business or sector Research and development, electronics

Education and training

Dates 2005 – 2009
Title of qualification awarded Doctoral study program, branch Physical and materials engineering
Principal subjects/occupational skills covered PhD Thesis title: „Evaluation of frequency shifts of iodine stabilized lasers through fluorescence and frequency comparisons“, Optics, Laser technics
Name and type of organisation providing education and training Brno University of Technology, Faculty of Mechanical Engineering, Technická 2, 616 69 Brno, CR University
Level in national or international classification ISCED 6

Dates	1998 – 2005										
Title of qualification awarded	Master's degree study program, branch Electronics and Communication, graduate engineer										
Principal subjects/occupational skills covered	Diploma thesis title: „Control of Wavelength of Semiconductor Lasers“ – Price of dean, Electronics and communication, Biomedical engineering										
Name and type of organisation providing education and training	Brno University of Technology, Faculty of Electrical Engineering and Communication, Údolní 53, 602 00 Brno, CR University										
Level in national or international classification	ISCED 5										
Personal skills and competences											
Mother tongue(s)	Czech										
Other language(s)	English										
Self-assessment	Understanding				Speaking				Writing		
European level (*)	Listening		Reading		Spoken interaction		Listening				
English	B1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user	B2	Independent user	
(*) Common European Framework of Reference for Languages											
Organisational skills and competences	Pedagogic activities during doctoral study Pedagogic activities during high school study – leading of computer course Organisation of cultural actions										
Technical skills and competences	Experimental works with optics and lasers systems Development and implementation of electronics with PIC and ATMEL microprocessors LF electronics development, operation of musical electronics systems, HDR										
Computer skills and competences	Routine work on PC, PCB design system EAGLE, experiment control through Labview, programming and data processing in Matlab, microprocessors programming in Assembler and C computation languages										
Other skills and competences	Guitar and piano playing, trekking, MTB										
Key scientific results, brief description of the most important scientific achievements	Evaluation of purity of iodine in absorption cells for laser frequency stabilization, improvement of iodine cell technology										
Number of publications with IF, in journals without IF, number of papers in conference proceedings, my contributions (oral, posters) at conferences and how many of them were invited, number of applied results (received patents/ patent pending) in CR/foreign, utility models, prototypes, etc. according to RIV database) and number of my citations according to WOS.	IF: 2; without IF: 1; Conference proceedings: 11 Conferences: oral 8; poster 3; Applied results: 1										