

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Ing. Adam CHROMÝ, Ph.D.**
Address(es) Jundrov 570, 637 00 Brno, Czech Republic
Telephone(s) +420 776 627 692
E-mail chra@adamna.net
Nationality Czech
Date of birth 24.06.1988
Gender Male

Education and training

Dates	2013 - 2017
Title of qualification awarded	higher education, Doctoral programme (PhD)
Principal subjects/occupational skills covered	Cybernetics, Control and Measurements – Electrical Engineering and Communication Thesis title: "High Resolution Multi-spectral 3D Scanning and its Medical Applications"
Name and type of organisation providing education and training	Brno University of Technology, Antonínská 1, 602 00 Brno public higher-education institution
Level in national or international classification	ISCED 844
Dates	2011 - 2013
Title of qualification awarded	higher education, Master's degree programme (Ing.) - passed with honour (red diploma)
Principal subjects/occupational skills covered	Cybernetics, Control and Measurements – Electrical, Electronic, Communication and Control Technology Thesis title: "3D Scanning with Proximity Planar Scanner", development of 3D scanner for medicine (awarded with Dean's Award)
Name and type of organisation providing education and training	Brno University of Technology, Antonínská 1, 602 00 Brno public higher-education institution
Level in national or international classification	ISCED 747
Dates	2008 - 2011
Title of qualification awarded	higher education, bachelor's degree programme (Bc.) - passed with honour (red diploma)
Principal subjects/occupational skills covered	Automation and Measurement – Electrical, Electronic, Communication and Control Technology Thesis title: "Thermal mass flow-meter heating element control algorithms", innovation of measuring device for external company
Name and type of organisation providing education and training	Brno University of Technology, Antonínská 1, 602 00 Brno public higher-education institution
Level in national or international classification	ISCED 645

Work experience

Dates	January 2016 onwards	
Occupation or position held	Teacher and researcher	
Main activities and responsibilities	Research of medical applications of robotics and multi-spectral scanning of body surface in high resolution. Lector of subjects: Discrete Systems, Microprocessors and Robotics.	
Name and address of employer	Brno University of Technology, Faculty of Electrical Engineering and Communication, Technická 12, 616 00 Brno	
Type of business or sector	Electrical Engineering, information technologies, Education	
Dates	July 2011 onwards	
Occupation or position held	Researcher – specialist i robotics	
Main activities and responsibilities	Research in domain of data fusion from proximity planar scanners, thermovision and CCD cameras and its applications in medicine	
Name and address of employer	Central European Institute of Technology (CEITEC), Brno University of Technology, Technická 10, 616 00 Brno	
Type of business or sector	Electrical Engineering + Information technologies	
Dates	January 2007 onwards	
Occupation or position held	Independent programmer (freelancer)	
Main activities and responsibilities	Custom-made software programming, programming of web pages	
Name and address of employer	Adam Chromý, Jundrov 570, 637 00 Brno	
Type of business or sector	Information technologies	
Dates	January 2007 onwards	
Occupation or position held	Independent cartographer (freelancer)	
Main activities and responsibilities	Custom-made special maps (in Czech Republic, Norway, Austria, France)	
Name and address of employer	Adam Chromý, Jundrov 570, 637 00 Brno	
Type of business or sector	Cartography	
Dates	December 2013 – December 2015	
Occupation or position held	Researcher	
Main activities and responsibilities	Research of robotic medical imaging modalities	
Name and address of employer	Fakultní nemocnice u sv. Anny v Brně - ICRC, Pekařská 53, 659 61 Brno	
Type of business or sector	Electrical Engineering, information technologies, medical devices	
Dates	September 2010 – March 2011	
Occupation or position held	Independent inovator of existing device	
Main activities and responsibilities	Analyze device's processes and design changes which should optimize its operation	
Name and address of employer	Jirí Kucera - EMS Brno, Turistická 5, 621 00 Brno	
Type of business or sector	Electronic measuring devices	

Personal skills and competences

Mother tongue(s)

Czech

Other language(s)

Self-assessment

European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
A1	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

- team spirit;
- good communication skills gained through my international sport career in orienteering.

Organisational skills and competences

- good experience in project or team management (currently responsible for team of 4 programmers);
- very good organizing skills (annually organizing several sport competitions with team of more than 200 volunteers, organizing important orienteering competitions, including World Championships);
- workshops: Modern Project Management, Project Management Course, Project Management in a Nutshell

Technical skills and competences

- very good skills in web-pages developing, incl. web-based applications (XHTML, PHP, CSS, XML JavaScript), acquired through my work as freelancer;
- good programming skills in several programming languages (C, C++, C#, DELPHI), acquired through my work as freelancer and school trainings;
- experienced in VHDL programming; acquired through training;
- experienced in multi-spectral optical 3D scanning of body surface in high resolution, acquired through research activities;
- very experienced in producing special orienteering maps acquired through my work in various countries at many mapping projects;
- experiences with other programming languages (Java, Assembler), acquired through training;
- experiences with microcontroller programming (Motorola, Atmel), acquired through training.

Computer skills and competences

- very good command of various PC applications including MATLAB, AutoCAD, OCAD, various web and software-developing tools (Visual Studio, Borland tools etc.), graphic editors, etc;
- very good skills in PC managing (installation of software, upgrading hardware, network configuration etc.).

Other skills and competences

- orienteering at top level, member of Czech National team;
- coach of Czech Youth Orienteering Team;
- trekking, adventure sports, cycling, swimming, running, and many other sports.

Driving licence

Category B, since 2006

Additional information

References and results of my work and sport career could be found at my personal web-page:
<http://www.adam-chromy.cz>