


PERSONAL INFORMATION

Vitezslav Jary

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Sex Male | Date of birth 26/06/1985 | Nationality Czech

WORK EXPERIENCE

10/2007

Research assistant

Institute of Physics, Czech Academy of Sciences in Prague
1999/2 Na Slovance, 182 21 Praha (Czechia)

Preparation, measurement, characterization and description of new scintillation and white LED materials

Business or sector Research and Development in Solid State Physics

EDUCATION AND TRAINING

10/2005–09/2008

Bachelor degree

Higher education -
bachelor study
programme

Czech Technical University in Prague
7 Brehova, 11519 Praha (Czechia)

Physical Chemistry, Nuclear Chemistry, Inorganic Chemistry, Physics, Mathematics, Analytical Chemistry, Nuclear Chemistry Laboratory Practise

10/2008–06/2010

Master degree

Higher education -
master study
programme

Czech Technical University in Prague
7 Brehova, 11519 Prague (Czechia)

Physical Chemistry, Nuclear Chemistry,

Radioanalytical Chemistry, Physics, Mathematics, Radiation Chemistry, Nuclear and Radiation Chemistry Laboratory Practise

10/2010–09/2014

PhD

PhD study
programme

Czech Technical University in Prague, Prague (Czechia)

Nuclear Chemistry, Physical Chemistry, Solid State Physics, Optical Properties of Solids

- Final State PhD exams passed in February 2013 from Nuclear chemistry, Radiation chemistry and Quantum mechanics

- PhD thesis entitled "Thermally induced ionization and quenching processes in novel oxide and sulfide scintillation materials" defended successfully

01/01/2015–Present

Postdoc position

Institute of physics, Czech Academy of Sciences, Prague (Czechia)

Solid state luminescence, scintillation and white LED materials

PERSONAL SKILLS

Mother tongue(s) Czech

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	B1	B1	B1
Spanish	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Flexibility; Reliability; Ambition to learn new things; Team spirit, Good ability to adapt to multicultural environments, gained through my work experience abroad; Love towards travelling and knowing new places and new people;

Organisational / managerial skills

Leadership (I regularly act as a camplleader at the international workcamps); Sense of organisation; Independence

Job-related skills

Time resolved luminescence spectroscopy in VUV/UV/VIS/nearIR, including excitation by X-ray and radionuclides; Absorption Spectroscopy; Inorganic synthesis - all gained through the current occupation

- Driving licence B

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Independent user	Independent user	Independent user

Digital skills - Self-assessment grid

ADDITIONAL INFORMATION

Experimental experience

- time resolved luminescence and absorption spectroscopy in VUV/UV/VIS/nearIR, including excitation by X-ray and radionuclides
- temperature dependent measurements using cryostats (8 – 800 K)
- X-ray powder diffraction measurements
- inorganic synthesis

Awards

- Graduating from Master program Cum Laude in 2010
- Winning the Henry Becquerel Price in nuclear sciences in 2012
- Winning the Czech Ministry of Education Price in 2012
- Winning the UniCreditBank scholarship for Czech PhD students in 2013
- Winning the Jean-Marie Lehn Price in chemistry in 2014
- 3rd place in the Milan Odehnal Price in physics in 2014

- Winning the Czech Head Price for technical sciences 2015
- Winning the CTU Price for PhD thesis 2015
- Winning the Otto Wichterle Price in 2017

Popularization of Physics

- participating in the project of Open Science for high school students (2018, 2019) as an internship leader (<http://www.otevrenaveda.cz/>)
- participating in Week of Physics at Faculty of Nuclear Sciences and Physical Engineering for high school students (2017, 2018, 2019) as an intership leader + lecture giver (<http://tydenvedy.fjfi.cvut.cz/>)
- co-author of popularization brochures on Scintillating materials (http://www.vedakolemnas.cz/miranda2/m2/sys/galerie-download/VKN_84_web_ENG.pdf?0.8692890864331275)
- lecturer for the University of the Third Age (Faculty o Nuclear Sciences and Physical Engineering, Czech Technical University in Prague)
- participating in the "Open days at the Institute of Physics, Czech Academy of Sciences - <https://www.fzu.cz/dny-otevrenych-dveri>

Publications

- author and co-author of 73 international impacted papers (March 2019 at www.scopus.com), 1 chapter in the internation book, 4 Czech national patents