

Richard Švejkar

PERSONAL INFORMATION	Date of birth: 26.09.1990	Nationality: Czech
CONTACT INFORMATION	Krušnohorská 1661 Jirkov, 43111, CZE	tel.: 732-650-527 rsvejkar@gmail.com
EDUCATION	Czech Technical University in Prague Faculty of Nuclear Sciences and Physical Engineering , Praha, Česká republika	
	Ph.D. , Physical Engineering, <i>Expected</i> : 2020	
	<ul style="list-style-type: none">• Dissertation: <i>Diode-pumped solid-state lasers generating radiation at mid-IR</i>• Supervisor: Ing. Jan Šulc.	
	MSc. , Laser Technology and Electronics, June 2016	
	<ul style="list-style-type: none">• Thesis Topic: <i>Cryogenically-cooled diode-pumped lasers with Er³⁺ ions</i>• Supervisor: Ing. Jan Šulc, Ph.D. and Prof. Ing. Helena Jelínková, DrSc.	
	BSc. , Laser Technology and Optoelectronic, Aug 2013	
	<ul style="list-style-type: none">• Topic: <i>Diode-pumped solid-state lasers with erbium ions generated at 1.6 μm and 2.7 μm</i>• Supervisor: Ing. Jan Šulc, Ph.D. and Prof. Ing. Helena Jelínková, DrSc.	
	Secondary technical school - SPŠ and VOŠ , Chomutov, Czech Republic	
	Secondary school-leaving exam from Automation and electronics, May 2010	
WORK EXPERIENCE	Researcher and developer in physical field	from December 2017
	Research of solid-state lasers, Czech Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering, Department of Physical Electronics Supervisor: Prof. Ing. Helena Jelínková, DrSc.	
	Auxiliary Research Assistant	May 2013 to October 2016
	Research of short-pulsed lasers, ELI Beamlines, Institute of Physics of the Czech Academy of Sciences Supervisor: J. Tyler Green, Ph.D	
LATEST REFEREED JOURNAL PUBLICATIONS	<ol style="list-style-type: none">1. Richard Švejkar, Jan Šulc, Michal Němec, Helena Jelínková, Václav Kubeček, Weiwei Ma, Dapeng Jiang, Qinghui Wu, and Liangbi Su. "Diode-pumped Er:SrF₂ laser tunable at 2.7 μm." <i>Opt. Mater. Express</i>, Vol. 8, 1025-1030, 2018, doi:10.1364/OME.8.001025.2. Richard Švejkar, Alexander G. Papashvili, Jan Šulc, Michal Němec, Helena Jelínková, Maxim E. Doroshenko, Sergei H. Batygov and Vyacheslav V Osiko. "2.4 μm diode-pumped Dy²⁺:CaF₂ laser." <i>Laser Physics Letters</i>, Vol. 15, No. 1, 2018, doi:10.1088/1612-202X/aa806d.3. Jan Šulc, Richard Švejkar, Helena Jelínková, Karel Nejezchleb, Karel Nitsch, Antonín Cihlář, Robert Král, Martin Ledinský, Antonín Fejfar, Miroslava Rodová, Petra Zemenová, Martin Nikl. "Phosphate content influence on structural, spectroscopic, and lasing properties of Er,Yb-doped potassium-lanthanum phosphate glasses." <i>Optical Engineering</i>, Vol. 55, Issue 4, 2016, doi:10.1117/1.OE.55.4.047102.	
VOLUNTEERING	LPHYS'13, Laser Physics workshop, Prague	July 2013
	<ul style="list-style-type: none">• Member of local organization committee	
	Week of science at FNSPE	June 2017
	<ul style="list-style-type: none">• Supervisor of miniproject	
	Nigh at FNSPE	November 2017
	<ul style="list-style-type: none">• Delegate of Department of Physical Engineering	

LANGUAGES

Czech - Mothertongue
English - B2, (certificate TELC - B1)
Spanish - A2

SKILLS AND INTERESTS

Computer skills

- LabView, CorelDRAW Graphics Suite, L^AT_EX, MATLAB, Microsoft Office, Origin, Pascal, HTML, Mathematica,

Communication and organisational skills

- Communication, flexibility, non-conflict
- Teamwork, ability to work independently, high assignment

Driving license

- B (2008)

Interests

- Sports (Jiu-Jitsu, long-distance hiking, sport climbing, bouldering)
- History
- Travel