

Curriculum Vitae

Family name: Vít
Given name: Jakub
Nationality: Czech
Date of birth: July 28, 1990
Place of birth: Poprad (Slovakia)
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Education & employment

2015-now **PhD student** at The Czech Technical University in Prague (elaborated at Institute of Physics, Czech Academy of Sciences) and Budapest University of Technology and Economics

 Research topic: Study of static and dynamic magnetoelectric coupling in multiferroics

2013-2015 **MSc. in Solid State Engineering**, Czech Technical University in Prague

 Thesis: Study of multiferroics with hexaferrite crystal structure

2010-2013 **BSc. in Solid State Engineering**, Czech Technical University in Prague

 Thesis: Terahertz excitations in multiferroics

2002-2010 Secondary school of Jaroslav Heyrovský in Prague

 General specialization

Research visits

2019

- March: Helmholtz-Zentrum Dresden Rossendorf - FELBE, Germany (3 days)
- June: Helmholtz-Zentrum Dresden Rossendorf - TELBE, Germany (5 days)
- September: National Institute for Chemical Physics and Biophysics, October, Tallinn, Estonia (10 days)
- October – November: Helmholtz-Zentrum Dresden Rossendorf - FELBE, Germany (2 weeks)
- November – December: TeraFERMI beamline at Elettra Sincrotrone Trieste, Italy (2 weeks)

2018

- January: National Institute for Chemical Physics and Biophysics, October, Tallinn, Estonia (10 days)
- March: Helmholtz-Zentrum Dresden Rossendorf - TELBE, Germany (3 days)

- April: Helmholtz-Zentrum Dresden Rossendorf - FELBE, Germany (6 days)
- May: TeraFERMI beamline at Elettra Sincrotrone Trieste, Italy (5 days)

2017

- April: TeraFERMI beamline at Elettra Sincrotrone Trieste, April, Italy (5 days)
- September: Technische Universität Dresden and Helmholtz-Zentrum Dresden Rossendorf, Germany (4 days)
- October: National Institute for Chemical Physics and Biophysics, Tallinn, Estonia (10 days)

Conference, Workshop, Summer school and Courses participations

2020

- 5th Grandmaster Early-Career Workshop in Physics, Prague, Czech Republic (co-organizer)

2019

- FUTURE of SEeded free Electron lasers (FUSEE) Workshop, Grignano, Italy
- 4th Grandmaster Early-Career Workshop in Physics, Split, Croatia
- International Workshop on Topological Structures in Ferroic Materials, Průhonice, Czech Republic
- FELBE/TELBE User Workshop, Dresden-Rossendorf, Germany
- DPG and EPS, Condensed Matter Division, Regensburg, Germany

2018

- The European School of Magnetism: Magnetism by Light, Krakow, Poland
- Gordon Research Conference and Seminar, Multiferroics and Magnetoelectric Materials, Lewiston, Maine, USA
- XXIII Czech-Polish Seminar, Structural and ferroelectric phase transitions, Kouty, Czech Republic
- Joint meeting of the DPG and EPS, Condensed Matter Division, Berlin, Germany
- 3rd Grandmaster Early-Career Workshop in Physics, Vienna, Austria

2017

- The 9th APCTP Workshop on Multiferroics, Tokyo, Japan
- CEMS Symposium on Trends in Condensed Matter Physics, Wako, Japan
- Conference on Strongly Correlated Electron Systems, Prague, Czech Republic
- 15th Conference & Exhibition of the European Ceramics Society, Budapest, Hungary

2016

- NoTeDev Workshop, Prague, Czech Republic
- Gordon Research Conference, Multiferroics and Magnetoelectric Materials, Lewiston, Maine, USA
- 6th Student Scientific Conference on Solid State Physics, Sedliště, Czech Republic

2015

- 2nd Grandmaster PhD Workshop in Physics, Budapest, Hungary
- 13th European Meeting on Ferroelectricity, Porto, Portugal

- ATHENS Course on Telecom PARISTECH: “Quantum entanglement for communications: From theory to experiments”

2014

- 4th Student Scientific Conference on Solid State Physics, Nové Hradky, Czech Republic
- XXI Czech-Polish Seminar, Structural and ferroelectric phase transitions, Sezimovo Ústí, Czech Republic

2013

- 3th Student Scientific Conference on Solid State Physics, Strážné, Czech Republic

Teaching experience

Assistant of the course “Experimental laboratory” at FNSPE CTU (2 semesters)

Lecturing of the course “Smart materials” at FNSPE CTU (2 lectures)

Language skills

Czech – native speaker

English – B2 level, 86 points from TOEFL iBT (from 2015, since then remarkably improved)

French – intermediate level

Hungarian – beginner

Other skills

IT: MS Office, Maple, Matlab, Gnuplot, Origin, PKGraph

Experience with FTIR and THz time-domain spectroscopies, cryogenics

Research interests

Magnetoelectric and multiferroic materials, optical magnetoelectric effects – directional dichroism, magneto-optics, ultrafast magnetism, nonlinear optics, magnetic memories, THz spectroscopy, group theory and selection rules for magnetic materials, Electron spin resonance