

RNDr. Jan ZUBÁČ

PERSONAL DATA AND CONTACT

PLACE AND DATE OF BIRTH: Ústí nad Labem, Czech Republic | 9 December 1990
CONTACT ADDRESS: Tyršova 277, 252 66, Libčice nad Vltavou
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EDUCATION

2017 – *present* SOFTWARE ENGINEERING, bachelor studies (combined form), FIT CTU
2016 – *present* PHYSICS OF CONDENSED MATTER AND MATERIALS RESEARCH,
MFF UK and FZÚ AV ČR, doctoral studies
2013 – 2016 PHYSICS OF CONDENSED MATTER AND MATERIALS (M.Sc.), MFF UK
Thesis: Electronic properties of RPd_5Al_2 compounds - [odkaz](#) 
2010 – 2013 APPLIED PHYSICS - PHYSICS OF MATERIALS (B.Sc.), MFF UK
Thesis: Determination of crystal field parameters in selected tetragonal compounds
2006 – 2010 Grammar School of dr. Václav Šmejkal, Ústí nad Labem

WORK EXPERIENCE

1/2017 – 12/2017 | Doctoral Researcher (part time), DCMP, MFF UK, Prague
8/2016 – 3/2017 | Tester - banking applications (part time), TRASK SOLUTIONS, Prague

AREAS OF SPECIALIZATION

Magnetism, crystal field, magnetic, transport and heat capacity measurements, neutron scattering, sample characterization and preparation.

PUBLICATIONS

ZUBÁČ, J.; JAVORSKÝ, P. & FÁK B. Crystal field in $NdPd_5Al_2$ investigated by inelastic neutron scattering, *Journal of Physics: Condensed Matter*, 2018, 255801, 30
ZUBÁČ, J.; VLÁŠKOVÁ, K.; PROKLEŠKA, J.; PROSCHEK, P. & JAVORSKÝ, P. Magnetic properties and phase diagram of $NdPd_5Al_2$, *Journal of Alloys and Compounds*, 2016, 675, 94 - 98
PAJSKR, K.; JAVORSKÝ, P.; DIVIŠ, M.; ZUBÁČ, J. & VLÁŠKOVÁ, K. Low-temperature magnetic phase diagram and specific heat of Nd_2IrIn_8 , *Physica B: Condensed Matter*, Elsevier, 2016, 483, 94-98
KRATOCHVILOVÁ, M.; BARTHA, A.; DIVIŠ, M.; ZUBÁČ, J.; SECHOVSKÝ, V. & JAVORSKÝ, P. Anisotropic magnetic properties of RE_2CoIn_8 ($RE = Pr, Nd, Dy$) compounds, *Physica B: Condensed Matter*, Elsevier, 2014, 444, 65-6

Links: [Google Scholar](#) , my thesis and publications on [Google Drive](#) 

OTHER SKILLS

COMPUTER SKILLS ADVANCED: MATLAB, OriginLab, $\LaTeX$
 BASIC: R a C, Python, Wolfram Mathematica, Linux
FOREIGN LANGUAGES: English - fluent (TOEIC L&R B2)
 German - good working knowledge
DRIVING LICENCE(S): categories A1, B