

MICHAL ŠINDLER

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Institute of Physics, Academy of Sciences of the Czech Republic
Department of Magnetism and Superconductors
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PERSONAL INFORMATION

Date of Birth 26.11.1983
Place of Birth Ostrava, Czech Republic
Citizenship Czech
Sex Male

EDUCATION

Faculty of Mathematics and Physics, Charles University in Prague, Czech republic

PhD in Physics **September 2012**

Thesis title: Properties of superconductors in the terahertz frequency region

Advisors: prof. Ladislav Skrbek and Dr. J. Koláček

Faculty of Mathematics and Physics, Charles University in Prague, Czech republic

Master degree in Physics **September 2008**

Thesis title: Vortex dynamics in superconductors

Advisors: prof. Ladislav Skrbek and Dr. Jan Koláček

Faculty of Mathematics and Physics, Charles University in Prague, Czech republic

Bachelor degree in Physics **September 2006**

Thesis title: Quantized vortices in superfluid He II

Advisors: prof. Ladislav Skrbek

SCIENTIFIC CARRER

Oct 2008 – Aug 2012	Junior Research Fellow, Institute of Physics Academy of the Czech Republic, Prague
March 2011 – June 2011	3 month research stay in PICO group in Aalto University, Helsinki, Finland, group of Professor Jukka Pekola
September 2011	CryoCourse 2011 (summer school in cryogenics and low temperature physics) in Grenoble, France
Oct 2012 – Aug 2014	Postdoctoral Researcher, Institute of Physics Academy of Sciences of the Czech Republic, Prague
Oct 2014 – Aug 2015	Postdoctoral Researcher, LOMA laboratory, University Bordeaux, France
Oct 2015 – present	Postdoctoral Researcher, Institute of Physics Academy of Sciences of the Czech Republic, Prague
Jan 2018 – present	Associate Scientist, Institute of Physics Academy of Sciences of the Czech Republic, Prague

SKILLS AND QUALIFICATION

Languages

- Czech - native language
- English - CAE certificate (C1 level)
- Russian - basic level, good reading ability

Research interests

- high-frequency measurement (particularly in THz range)
- vortex dynamics
- high-temperature superconductivity
- BCS theory, especially complex conductivity of superconductors
- superconductor-insulator transition
- non-equilibrium superconductivity
- low temperature physics and cryogenics