Name	Michal Rajňák
e-mail address	rajnak@saske.sk
Telephone number	+421 55 792 2263

Education and work

2018 – still	Senior researcher at Institute of Experimental Physics SAS, Slovakia
2015 – 2018	Researcher at Institute of Experimental Physics SAS, Slovakia
2015 August	PhD in Physics of condensed matter at Pavol Jozef Šafárik University in Košice Thesis: *Magneto-dielectric properties of magnetic fluids.*
2013	Doctor of Natural Sciences (RNDr. in Physics), Pavol Jozef Šafárik University in Košice, Faculty of Science Thesis: *Magneto-dielectric properties of magnetic fluids*
2009 – 2011	Master – Teacher training in physics and technical education, University of Prešov in Prešov, Slovakia Thesis: *Heat Capacity of the selected metallic compound – CeAl*
2006 – 2009	Bachelor – Teacher training in physics and technical education at University of Prešov in Prešov, Slovakia Thesis: *Current problems in physics education*

Courses and Summer Schools

September 30 – October 7, 2012	3rd EuroMagNET Summer School: Science in High Magnetic Fields, Rügen, Germany.
September 24–28, 2012	Course on Contemporary Neutronography, Joint Institute for Nuclear research, Dubna, Moscow region, Russia.
October, 2010	Intensive Course on Geometric Mechanics, University of Ostrava, Czech Republic.

Scientific visits and study abroad

February 15. – 23. 2020	Lund university, Sweden, (*Prof. Bengt Sunden), Heat transfer in nanofluids.*
April 6. – 12. 2019	Frank Laboratory of Neutron Physics, Joint Institute for Nuclear research, Dubna, Moscow region, Russia (Dr. M. V. Avdeev's group). The visit focused on the study of Small Angle Neutron Scattering on colloids and nanofluids.
September 12 – 21.2017	Lund university, Sweden, (*Prof. Bengt Sunden), Heat transfer in nanofluids.*
Január 30. – Február 10. 2017	Lund university, Sweden, (*Prof. Bengt Sunden), Heat transfer in nanofluids.*
February 1 – 13, 2015	Universidade de Sao Paulo, Sao Paulo, Brazil (Prof. A. M. Figueiredo Neto's group). The visit focused on the study of nonlinear optical properties of nanofluids.
September 29 – October 16, 2014	Jean Monnet University, Saint-Étienne, France (Dr. F. Royer's group). The visit focused on the study of magneto-optical properties of ferrofluids.
March 17 – Jun 14, 2014	Frank Laboratory of Neutron Physics, Joint Institute for Nuclear research, Dubna, Moscow region, Russia (Dr. M. V. Avdeev's group). The visit focused on the study of Small Angle Neutron Scattering on colloids and nanofluids.
October 13 – December 13, 2013	Laboratory of Dielectric Spectroscopy, Department of Applied Physics, Hebrew University of Jerusalem, Jerusalem, Israel (Prof. Y. Feldman's group). The visit focused on the broadband dielectric spectroscopy of complex systems.
September 13 – December 10, 2012	Frank Laboratory of Neutron Physics, Joint Institute for Nuclear research, Dubna, Moscow region, Russia (Dr. M. V. Avdeev's group). The visit focused on the study of Small Angle Neutron Scattering on colloids and nanofluids.
March 3 – April 3, 2012	Laboratoire National des Champs Magnétiques Intenses (LNCMI), Grenoble, France (Dr. X. Chaud's group). The visit focused on the operation of cryogen-free superconducting magnets and structural transitions in ferronematics induced by high magnetic fields.

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Experimental skills

Good skills in realization and analysis of:

- *Broadband Dielectric Spectroscopy measurements*
- *Dielectric Breakdown and Partial Discharge measurements*
- *Magnetic properties measurements* (MPMS-SQUID, PPMS, VSM, Cryogen free High Field Measurement system (Cryogenic Limited), AC susceptibility)
- *Small Angle Neutron/X-ray Scattering*
- *Ordinary experimental methods in physics and physical chemistry*

Memberships

Member of Slovak Physical Society
Member of Slovak Magnetic Society

Languages

Slovak	mother language
English	advanced
Russian	intermediate
German	elementary

Social skills and competences

Good skills in leadership, communicativeness, team work, flexibility, creativity, organizational skills

Links

Google Scholar:
https://scholar.google.co.uk/citations?user=I-J-ABgAAAAJ&hl=en
Research Gate:
https://www.researchgate.net/profile/Michal_Rajnak2
Web of Science:
https://www.webofscience.com/wos/author/record/1111253