



Job ID: #JOB39/2018

Job Description

Job Title: PhD student (EURAXESS: First State Researcher - R1)

Job Summary:

Preparing PhD thesis in one of MagTop's teams, see: <http://www.magtop.ifpan.edu.pl/>,

Job Description:

Subjects of PhD thesis will concern either: (i) development of new topological materials; (ii) their nanostructurizations and advanced studies of their properties by various methods including synchrotron radiation or low temperature techniques; (iii) theoretical or computer modelling.

Examples of PhD thesis subjects:

[http://www.ifpan.edu.pl/msdifpan/tematy_badawcze/ON6-Topological effects in condensed matter systems.pdf](http://www.ifpan.edu.pl/msdifpan/tematy_badawcze/ON6-Topological%20effects%20in%20condensed%20matter%20systems.pdf)

[http://www.ifpan.edu.pl/msdifpan/tematy_badawcze/ON6-Magnetic impurities in topological materials-computer simulations.pdf](http://www.ifpan.edu.pl/msdifpan/tematy_badawcze/ON6-Magnetic%20impurities%20in%20topological%20materials-computer%20simulations.pdf)

Research activity of MagTop is described in its agenda: <http://www.magtop.ifpan.edu.pl/>
The [International Centre for Interfacing Magnetism and Superconductivity with Topological Matter – MagTop](http://www.ifpan.edu.pl/index_en.php) is the Division (ON-6) of the Institute of Physics, Polish Academy of Sciences (http://www.ifpan.edu.pl/index_en.php) and is funded by a grant earned by Professors [Tomasz Dietl](#) and [Tomasz Wojtowicz](#) within the programme of the Foundation for Polish Science, carried out from the funds of the European Regional Development Fund under the Smart Growth Operational Programme (SG OP), Priority Axis 4: Increasing the research potential, Measure 4.3: International Research Agendas (<http://www.fnp.org.pl/en/oferta/international-research-agendas-ira/>). MagTop activities involve intense local and international collaborations, the strategic partner unit being Julius-Maximilians-Universität Würzburg, Germany, particularly the Institute EP3 headed by Professor Laurens W. Molenkamp.

Main research field: Physics

Sub Research Field: Solid State Physics

Research Profile ([details](#)): PhD student (EURAXESS: First State Researcher - R1)

Type of Contract: Stipend for up to 4 years, provided by the Foundation for Polish Science

Status: Full-time

Salary: 3 500 – 4 500 PLN per month (830 – 1 060 € per month), no taxes

Contact

All queries should be submitted to: open_positions@MagTop.ifpan.edu.pl or to Prof. Tomasz Dietl (dietl@MagTop.ifpan.edu.pl)

Application documents and deadline:

See, http://www.ifpan.edu.pl/msdifpan/Studium/Info_for_candidates.html for required documents, the date of the interview will be arranged individually.

Please submit all documents to: open_positions@MagTop.ifpan.edu.pl. Applicants to MagTop should provide also the list of the grades acquired during BCs and MSc courses.

Deadline: September 10, 2018