



# Institute of Physics of the Polish Academy of Sciences Scholarship for a PhD Student



**Job ID:** #JOB22/2017

## Job Description

**Job Title:** PhD student

**Job Summary:**

The PhD student will be involved in research in the frame of the project "The anisotropy of 3D lattice strain distribution and plastic relaxation in heteronanostructures investigated by tomographic electron diffraction" devoted to investigation of stress relaxation phenomena by advance transmission electron microscopy.

**Job Description:**

The PhD student will participate in research devoted to determination of the local deformation of the crystalline lattice of individual strained semiconductor heteronanowires and relationships between their structure and properties using advance electron microscopy techniques.

The performed work will be the basis for doctoral thesis.

Profile of a candidate for the position:

- Master's degree in physics, applied mathematics, computer science or related fields, obtained after 2014
- good spoken and written English
- ability to work in a team,
- an additional advantage will be programming skills in one of C ++, Python Matlab, Mathematica or related programming languages .

The successful candidate will be participate in International PhD Studies at IP PAS

[http://info.ifpan.edu.pl/msdifpan/Studium/index\\_en.htm](http://info.ifpan.edu.pl/msdifpan/Studium/index_en.htm)

More information about groupe:

<http://www.wkraj.pl/index.php?page=vr&start=50464#/50464/0>

<http://www.ifpan.edu.pl/SL-1/index.html>

**Main research field:** Physics

**Sub Research Field:** Applied physics

**Career Stage:** Early stage researcher or 0-4 yrs (Post-graduate)

**Research Profile** ([details](#)): First Stage Researcher (R1)

**Type of Contract:** Temporary for the 30 month term

**Status:** Full-time

**Salary:** 3000 PLN per month (untaxed scholarship).

## Contact

More information can be obtained from

dr hab. Sławomir Kret (e-mail: [kret@ifpan.edu.pl](mailto:kret@ifpan.edu.pl) , tel. (48) 22 116 3382).

## Application details

**Application deadline:** October 6 2017. Later applications may also be considered.

**Required materials:**

- Curriculum Vitae
- List of publications

All materials should be submitted in electronic form to the address: [jobs@ifpan.edu.pl](mailto:jobs@ifpan.edu.pl) with Job ID in the subject.