



**Job ID: #JOB18/2018**

## Job Description

**Job Title:** scholarship for a PhD position

**Job Summary:**

Theoretical research on applications of ultra-cold atomic gases, in particular spinor Bose-Einstein condensates, in the field of quantum metrology.

**Job Description:**

The PhD student will be involved in realisation of the project "Entangled states for quantum metrology" devoted to theoretical research on applications of cold atomic gases in the field of modern metrology, e.g. for ultra-precise interferometric measurements.

Profile of the candidate:

- full university degree in Physics or the last year of Master's studies,
- research experience,
- numerical modeling and programming skills,
- very good spoken and written English.        }

**Main research field:** Physics

**Sub Research Field:** Quantum mechanics

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

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

**Type of Contract:** Temporary for 14 months, with a possibility of extension.

**Status:** Full-time

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

## Contact

More information can be obtained from dr hab. Emilia Witkowska (e-mail: [ewitk@ifpan.edu.pl](mailto:ewitk@ifpan.edu.pl)).

## Application details

**Application deadline:** June 15, 2018. **Later applications may also be considered.**

**Required materials:**

- Curriculum Vitae with list of publications
- Transcript of records

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.