



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



Job ID: #JOB27/2017

Job Description

Job Title: PhD student in the theory of ultra-cold gases

Job Summary:

Theoretical studies of a few-body physics experimentally realized with ultra-cold atoms

Job Description:

The PhD student will participate in the theoretical project “Two-component mixtures of a few attractive ultra-cold fermions” inspired by the most recent experiments in the field of ultra-cold gases confined in optical traps. The main objective is to perform very accurate, realistic numerical simulations which will bring us closer to a better understanding of physics of a few attractive fermions.

Profile of a candidate for the PhD student position:

- master degree in theoretical physics,
- numerical modeling and programming skills,
- research experience in related field, ideally proven by publications,
- very good spoken and written English.

The project is granted by the (Polish) National Science Center and it is carried out in the international collaboration by a dynamic and innovative group of young scientists.

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 42 months term

Salary: 2500-3000 PLN per month (untaxed scholarship).

Contact

More information can be obtained from

prof. Tomasz Sowiński (e-mail: tomsow@ifpan.edu.pl, www.ifpan.edu.pl/~tomsow).

Application details

Application deadline: October 8, 2017. Applications after deadline are not considered.

Required materials:

- Curriculum Vitae
- List of publications

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