Scholarship for a PhD student in the ON 2.6 research group

Institute of Physics, Polish Academy of Sciences announces a call for a 36-month scholarship in a OPUS-9 project of the National Science Center.

Profile of candidates for the PhD position:

1. Full university degree,
2. Experience in a related field, ideally proven by publications,
3. Numerical modeling and programming skills,
4. Ability to work in a team,
5. Good spoken and written English.

Description:

The PhD student will participate in the project “Nonequilibrium bosonic gases in semiconductors under the influence of external fields”, devoted to theoretical research on solid state physics and quantum optics, including condensation of Bose-Einstein of exciton-polaritons. The project is realized in collaboration with the experimental group from the University of Warsaw and leading foreign groups.

Bose-Einstein condensate is a state of matter in which particles are in an exotic quantum state, forming a macroscopic "wave of the matter". In 2006 condensation of exciton-polaritons, or quasiparticles composed of photons, electrons and holes was demonstrated for the first time, thereby creating interesting opportunities for the application of this concept in many fields, such as highly accurate interferometric measurements, or information processing with very little energy loss.

More information: www.ifpan.edu.pl/polariton

We offer:

1. Participation in research in a new and rapidly developing field of physics,
2. Possibility to publish in the most prestigious scientific journals,
3. Participation in international collaborations and scientific conferences,
4. Friendly work environment.

Conditions of employment:

Tax-free scholarship in the amount of PLN 3 000 per month for 3 years.
Enrollment in the International PhD Studies of PAS.

Please send your CV and summary of a scientific experience to the address: Prof. Michal Matuszewski, mmatu@ifpan.edu.pl
Deadline for submissions: June 1, 2016