



Job Description

Job Title: Post-Doc in Polaritonics

Job Summary:

The Post-Doc will participate in the projects devoted to theoretical research on solid state physics and quantum optics, including condensation of Bose-Einstein of exciton-polaritons. The projects are realized in collaboration with the experimental group from the University of Warsaw and leading foreign research groups.

Job Description:

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.

Profile of a candidate:

- a PhD degree (or PhD thesis submitted), obtained no earlier than 7 years before the beginning of the contract (calculated according to the official rules of NCN, resolution of NCN 26/2015),
- strong background in a related field demonstrated by publications,
- experience in numerical modeling,
- ability to work in a team as well as independently,
- fluent spoken and written English.

Main research field: Physics

Sub Research Field: Solid state physics

Career Stage: Experienced researcher or 4-10 yrs (Post-Doc)

Research Profile ([details](#)): Recognised Researcher (R2)

Type of Contract: Temporary for 23 months.

Status: Full-time

Salary: Depends on qualifications

From 5000 to 6000 PLN per month (before taxes).

Contact

More information can be found at www.ifpan.edu.pl/polariton and from prof. Michał Matuszewski (e-mail: mmatu@ifpan.edu.pl).

Application details

Application deadline: September 9, 2016. Applications after deadline are not considered.

Required materials:

- Curriculum Vitae
- List of publications
- Self-presentation, limited to a single A4 page
- Names and contact informations of 2 references familiar with candidate research

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