



Job ID: #JOB48/2018

Job Description

Job Title: Professor in solid state physics

Job Summary:

Institute of Physics, Polish Academy of Sciences calls for applications for an open professor position in solid state physics. The professor will be involved in the coordination of research of ZnO/ZnMgO and ZnO/ZnCdO quantum and photonic structures grown by MBE, their modifications with ion beams and studies of special impurities (rare earths) in these structures.

Job Description:

Co-ordination of scientific research of quantum, photonic and laser structures of ZnO/ZnMgO and ZnO/ZnCdO fabricated using Molecular Beam Epitaxy. Work aimed at the development of UV light sources and detectors using these structures, in particular the use of ZnCdO for emission of green light. Use of ion implantation for modification of properties of quantum and photonic structures and application of ion beam analysis for studies of crystalline quality of the structures. Exploration of special impurities, such as rare earth ions in order to obtain an efficient emission.

Main research field: Physics

Sub Research Field: semiconductor physics, nanotechnology

Career Stage: Experienced researcher, Professor

Research Profile ([details](#)): R4 - Leading Researcher

Type of Contract: Permanent

Status: part time (49%)

Salary: Depends on qualifications
2744 PLN per month (before taxes).

Contact

More information can be obtained from prof. Bogdan Kowalski (e-mail: kowab@ifpan.edu.pl) or prof. Marek Godlewski (e-mail: godlew@ifpan.edu.pl).

Application details

Application deadline: **October 19, 2018** Applications submitted after that date will not be considered

Required materials:

1. Signed application form
2. A copy of the award of professor's title
3. List of publication
4. Description of scientific, organizational and didactic achievements
5. CV
6. Written self-presentation
7. Planned research during employment

8. Personal questionnaire

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