



# Institute of Physics of the Polish Academy of Sciences

## Scholarship for a PhD Student



**Job ID: #JOB 36/2019**

### Job Description

**Job Title:** scholarship holder (40h per week)

**Job Summary:**

The Scholarship holder will work in the Atomic Layer Deposition Laboratory (ALD) dealing with chemical cleaning of silicon, GaN and SiO<sub>2</sub> substrates for the ALD growth, growth of ZnO, ZnO:N, ZnO:N, Al) and ZnMgO films by ALD; metallization of obtained films and their characterization by RT Hall measurements, photoluminescence.

**Job Description:**

The Scholarship holder will work on the research tasks of the NCN project sacrificed defect complexes affecting the electrical conductivity of zinc oxide obtained in ALD technology. The work will consist in conducting growth processes of undoped and doped with nitrogen or aluminum and nitrogen ZnO and ZnMgO films, as well as carrying out the room temperature Hall effect and photoluminescence measurements, I-V measurements of Schottky diodes as well as interpretation of results obtained outside of the ALD laboratory (XRD, XPS, Raman, SIMS).

**Main research field:** Physics

**Sub Research Field:** Solid State Physics

**Career Stage:** First Stage Researcher (R1)

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

**Type of Contract:** temporary 33 months

**Status:** full-time (40h per week)

**Salary:** 3500 PLN per month (NCN scholarship reg.)

### Contact

More information can be obtained from  
Prof. Elżbieta Guziewicz (e-mail: [guzel@ifpan.edu.pl](mailto:guzel@ifpan.edu.pl)).

### Application details

**Application deadline: 30.08.2019** Later applications will be not considered.

**Required materials:**

- Curriculum Vitae
- List of publications
- Consent to process your personal data

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.

### **Information clause – scholarship competition**

Pursuant to Article 13 paragraphs 1 and 2 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC (General Data Protection Regulation) Official Journal of the European Union, L 119, 4 May 2016, page 1, as amended, hereinafter referred to as "GDPR", we hereby inform as follows:

1. The Institute of Physics of the Polish Academy of Sciences with its registered office in Warsaw, Al. Lotników 32/46, represented by its Director, is the Controller, i.e. an entity deciding about how your personal data will be used. You may contact the Controller using one of the contact forms available on the website: tel. (22) 116-2111, e-mail: [director@ifpan.edu.pl](mailto:director@ifpan.edu.pl)
2. The Director of the Institute of Physics of the Polish Academy of Sciences has appointed the Data Protection Officer (DPO), whom you may contact in matters relating to your personal data, by sending an email to the following address: [iodo@ifpan.edu.pl](mailto:iodo@ifpan.edu.pl)
3. Your personal data will be processed in connection with your participation in the scholarship competition and if you win the competition, in connection with receiving the scholarship – on the basis of your consent – Article 6 paragraph 1 item a GDPR.
4. Your personal data will be processed for a period of 6 months after the end of the scholarship competition and in the case of receiving the scholarship – for a period resulting from legal and tax regulations;
5. Your personal data will be made available to other entities that can finance and settle the scholarship granted and entities authorized under provisions of law. Your data will only be accessed by people authorized by the Controller;
6. Provision of your personal data is mandatory; in the event of failure to do so, you will not be able to participate in the scholarship competition;
7. You have the right to access your data, the right to rectify it and limit processing thereof;
8. You have the right to lodge a complaint to the President of the Office for Personal Data Protection, if you consider that the processing of your personal data violates provisions of the General Data Protection Regulation.

#### **Consent to processing:**

I hereby consent to the processing of my personal data contained in the application/request form by the Institute of Physics of the Polish Academy of Sciences to conduct the scholarship competition and in the case of being granted the scholarship, to pay and settle it. I provide my personal data voluntarily and I declare that it is accurate. I have read the content of the information clause.

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Date and signature