

# **Postdoc positions in Experimental Condensed Matter Physics at Laboratory for Low Dimensional Materials, Institute of Physics, Bhubaneswar**

Applications are invited for **two postdoc** positions to work in the area of experimental condensed matter physics especially in the field of Resistive Switching, Neuromorphic Computing and 2D Materials. More information about our research activities can be found at [Laboratory for Low Dimensional Materials](#).

**Eligibility:** The applicant should have a Ph.D. degree (Experimental Condensed Matter Physics, Material Science). Those who have submitted or about to submit their Ph.D. thesis may also apply, however they should have a provisional degree at the time of joining.

**No. of Positions:** TWO (2)

## **1. Postdoc Position for Resistive Switching and Neuromorphic Computing**

Desirable Expertise: We are interested in candidates with expertise in thin film growth and characterizations for Resistive switching memory applications.

## **2. Postdoc Position for 2D Materials**

Desirable Expertise: We are interested in candidates with expertise in CVD synthesis of 2D materials (particularly TMDCs) and optoelectronic characterization of layer dependent TMDCs and their Heterostructures.

For the above two position, handful experiences in Photolithography process and device fabrication techniques are desirable. Along with experiences in Raman and Photoluminescence characterization, AFM techniques and electrical characterization will be useful. We are looking for candidates who can work in a multidisciplinary group.

**Terms of appointment:** The initial appointment of the candidate will be for one year, extendable up to a maximum of two years, depending on the candidate's performance and availability of funds. The fellowship and contingency grant are at par with other autonomous institutes funded by the DAE (Govt of India). Campus accommodation is subject to availability. HRA would be given at the applicable rate for the candidates staying outside the campus.

**Application procedure:** Applications with a cover letter, complete bio-data, and a research statement should be sent as one pdf file to Prof. Satyaprakash Sahoo ([sahoo@iopb.res.in](mailto:sahoo@iopb.res.in)).

The research statement should include the summary of research until now and a brief outline of the future plan of research. Two recommendation letters from people familiar with the candidate's research are also to be sent by the deadline. Shortlisted candidates will be contacted by email and will be called on for a seminar and interactions in person or online.

Applicants are advised to mention Subject line as **Resistive Switching and 2D Materials** while submitting the application to the above-mentioned email.

For further information and clarifications, candidates may contact Prof. Satyaprakash Sahoo ([sahoo@iopb.res.in](mailto:sahoo@iopb.res.in)).

**Last Date:** Tentative deadline of receipt of the complete application and all recommendation letters is 15th January 2023. However, applications will be considered until the positions are filled.