

Advertisement for Postdoctoral Fellow Position in Quantum Condensed Matter Theory, IOP, Bhubaneswar

Applications for postdoctoral position at Institute of Physics (IOP), Quantum Condensed Matter Theory are invited from eligible candidates. The successful candidate will have opportunity to work in the group of **Prof. Arijit Saha**. Eligible criteria and other necessary information are given below.

Eligibility: PhD degree in broad area of quantum condensed matter theory. Short listed Applicants will be asked to present a seminar to complete the application process. Those who have submitted their thesis are also eligible to apply.

Number of position: Available number of position is **one**.

Salary: Postdoctoral Fellowship will be decided as per the norms of the institute and commensurate with the experience of the applicants.

Tenure: Initial tenure is for one year and extendible to another year subject to availability of funds and satisfactory performance of the candidate.

Expertise desired: Work experience in the field of topological insulators, topological superconductors, Dirac/Weyl semimetal, non-Hermitian topological systems, twisted bilayer/multi-layer systems, application of Floquet formalism in driven quantum systems, knowledge in quantum many-body methods (e.g. Bosonization, Slave Rotor/Slave Spin/Slave Boson etc.), training in KWANT package etc. will be given high preference. Along with essential analytical ability, strong numerical ability with Mathematica, Python and C++ language are also highly desired.

Tentative starting date: **April, 2024** (flexible under mutual agreement).

Interested candidates are requested to send their application with a Cover Letter, CV, List of Publications, Future Research Plan (max. 3 pages) and 2-3 letters of recommendation directly sent to **arijit@iopb.res.in** by **25/02/2024**.