

CONTACT

✉ sd21rs074@iiserkol.ac.in

SKILLS

Language: Python & Fortran

Software package: LAMMPS, GNU PLOT, MATPLOTLIB, LATEX

Scientific computing skill: Molecular Dynamics & Monte Carlo Simulation

operating system: Windows, Linux

ACHIEVEMENTS

PMRF

Received **Prime Minister's Research Fellowship (PMRF)** in 2022 from IISER Kolkata

NET

Qualified **NET** in Physics in 2021

INSPIRE

INSPIRE scholar for five years (BSc & MSc)

Serampore Scholarship

Received **Serampore Scholarship 2019** set up by the Royal Denmark Government for academic excellence in BSc

Attested

प्रो: अमित घोषाल / Prof. Amit Ghosal
अध्यापक / Professor

भारतीय विज्ञान शिक्षा और अनुसन्धान संस्थान कोलकाता /
Indian Institute of Science Education and Research, Kolkata



मोहनपुर परिसर / Mohanpur Campus
पी. ओ. कृषि विश्वविद्यालय /
P. O. Krishi Viswavidyalaya
नदिया ७४१ २९२ / Nadia 741 252
पश्चिमबंगाल / West Bengal

SAIKAT DUTTA

Prime Minister's Research Fellow
Department of Physical Sciences
IISER KOLKATA

RESEARCH INTEREST

1. Theoretical and Computational Condensed Matter Physics

2. Effects of disorder in 2D melting : It is well known that a thermal melting in two dimension produces an exotic phase named 'hexatic' phase, sandwiched between the solid and liquid. My interest is to understand how disorder can affect these phases as well as the phase transitions among them. I will also look into the effects of quantum fluctuation on the 2D melting.

EDUCATION

PhD - Theoretical Condensed matter physics
IISER Kolkata, West Bengal (India)

2021 - ongoing

PhD supervisor: Prof. Amit Ghosal

MSc.-Physics
Presidency University - Kolkata, West Bengal (India)

2019 - 2021

Passed with **8.60 CGPA**.

BSc. - Physics
University of Calcutta - Kolkata, West Bengal (India)

2016- 2019

Passed with **75.13%**.

Higher Secondary (12th) - Science
West Bengal Council of Higher Secondary Education(WBCHSE), West Bengal

2016

Passed with **93.60%**.

Secondary (10th)
West Bengal Board of Secondary Education(WBBSE), West Bengal

2014

Passed with **94.14%**.

TEACHING EXPERIENCE

TEACHING ASSISTANTSHIP :
PH1102: PHYSICS LABORATORY I (IISER KOLKATA)

ongoing

EXTERNAL TEACHING :
SERAMPORE COLLEGE (UNIVERSITY OF CALCUTTA)

ongoing