



**S N BOSE NATIONAL CENTRE
FOR BASIC SCIENCES**

Block JD, Sector III, Salt Lake, Kolkata 700 106

DEPARTMENTAL SEMINAR

Physics of Complex Systems

27th September, 2023

4.00 PM

ONLINE / FERMION

SPEAKER

**Prof. Parthanil Roy,
Professor, Theoretical Statistics and Mathematics Division,
ISI Bengaluru**

TITLE OF THE TALK

How does memory affect random walks?

ABSTRACT

In this talk, we shall discuss how memory affects the behaviours of random processes and especially, random walks. Various models of random walks with memory will be introduced and their asymptotic properties will be investigated. (Based on an ongoing work with Krishanu Maulik and Tamojit Sadhukhan).

HOST FACULTY

**Prof. Punyabrata Pradhan, Professor
DEPT. OF PHYSICS OF COMPLEX SYSTEMS**
