



INDIAN STATISTICAL INSTITUTE
Theoretical Statistics and Mathematics Unit, Kolkata

LECTURE

Date: January 03, 2023, Tuesday
Time: 03:00 PM

VENUE:

NAB-1

(Ground Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

Introduction to Symplectic Geometry and Pseudoholomorphic Curves

SPEAKER:

Ipsita Datta

Institute for Advanced Study, Princeton, USA

ABSTRACT:

We will define and give examples of symplectic vector spaces, symplectic manifolds, and Lagrangian submanifolds. We will discuss the very popular J -holomorphic/pseudoholomorphic curves and see how they were used to prove Gromov Non-squeezing. Time permitting we will discuss Floer homology.

ALL ARE CORDIALLY INVITED