



INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

LECTURE

Date: January 30, 2024

Time: 04:15 PM

VENUE:

L-infinity

(5th Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

On diffeomorphisms of 4-manifolds

SPEAKER:

Anubhav Mukherjee

Princeton University

ABSTRACT:

Exploring the category of diffeomorphisms in a 4-dimensional space, specifically focusing on the smooth mapping class group, is currently a prominent area of research. The foundational research by Freedman, Quinn, Kreck, and Perron has provided us with a comprehensive understanding of homeomorphisms in 4-dimensional spaces. In this presentation, I will attempt to highlight key concepts from their work and if time permits, I will also discuss my contributions in this field.

ALL ARE CORDIALLY INVITED