



# INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

## SEMINAR

Date: November 21, 2024

Time: 03:00 PM

### VENUE:

**L- 1**

(3<sup>rd</sup> Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

### TITLE:

**Comparing Euler class group with van der Kallen group**

### SPEAKER:

**Subarna Mandal**

Stat-Math Unit, ISI Kolkata

### ABSTRACT:

*Let  $R$  be a Noetherian ring of (Krull) dimension  $n$ .*

*$U_{n+1}(R)/E_{n+1}(R)$ : the orbit space of unimodular rows of length  $n + 1$  under the natural action of elementary  $(n+1) \times (n+1)$  matrices. This space is equipped with a group structure, introduced by van der Kallen.  $E_n(R)$ : the  $n$ -th Euler class group of  $R$ .*

*Our purpose is to understand the relation between the above mentioned groups.*

**ALL ARE CORDIALLY INVITED**