



Theoretical Statistics and Mathematics Unit, Kolkata
INDIAN STATISTICAL INSTITUTE

SEMINAR

Date: November 14, 2025

Time: 03:00 PM

VENUE:

L- Infinity

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

TITLE:

**Twisted monoid via equivariant Thom spectrum and its Real
Topological Hochschild Homology**

SPEAKER:

Abhinandan Das

Stat-Math Unit, ISI Kolkata

ABSTRACT:

In this talk we discuss a general framework of getting quotients of even ring spectra as twisted monoid using C_2 -equivariant Thom spectrum. We generalize a result of Blumberg, Cohen and Schlichtkrull to realise Real Topological Hochschild Homology (THR) of certain Thom spectrum (which are twisted monoid) as another Thom spectrum. This enables us to calculate THR of quotients, giving a varieties of calculations. In this talk, we shall discuss one such example in context of Atiyah's K-theory with reality ($K\mathbb{R}$) extending a result of Baker, Lazarev.

This is based on a joint work with Samik Basu.

ALL ARE CORDIALLY INVITED