



INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

SEMINAR

Date: January 15, 2025

Time: 03:30 PM

VENUE:

L- infinity

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

TITLE:

Contact structures on 3-manifolds

SPEAKER:

Tanushree Shah

Chennai Mathematics Institute, India

ABSTRACT:

we will start with a friendly introduction to contact structures. They come in two flavors: tight and overtwisted. Classification of overtwisted contact structures is well understood as opposed to tight contact structures. We will look into recent techniques developed to study these by understanding special knots(legendrian knots) in overtwisted 3 manifolds. We will look at what more classification results can we hope to get using the current techniques and what is far-fetched.

ALL ARE CORDIALLY INVITED