



# INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

## LECTURE SERIES

By

**Sagnik Nandy**

Department of Statistics, University of Chicago, USA

## SCHEDULE

### In December 2024

Date	Day	Time	Topic
Dec 12, 2024	Thursday	4:15 - 6:15 PM	<i>Review of LASSO and Gaussian Comparison Inequalities</i>
Dec 13, 2024	Friday	4:15 - 6:15 PM	<i>Convex Gaussian Minimax Theorem and Derivation of the Risk of LASSO</i>

### In January 2025

Date	Day	Time	Topic
Jan 03, 2025	Friday	4:00 - 6:00 PM	<i>Introduction to Belief Propagation</i>
Jan 08, 2025	Wednesday	4:00 - 6:00 PM	<i>Belief Propagation to Approximate Message Passing</i>
Jan 10, 2025	Friday	4:00 - 6:00 PM	<i>Approximate Message Passing and Future Research Directions</i>

All lectures will be held in the

**L- Infinity**

(5<sup>th</sup> Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

ALL ARE CORDIALLY INVITED