



Theoretical Statistics and Mathematics Unit, Kolkata
INDIAN STATISTICAL INSTITUTE

SEMINAR

Date: January 23, 2025

Time: 04:00 PM

VENUE:

L- infinity

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

TITLE:

Homotopical Algebra and the Sullivan Conjecture

SPEAKER:

Vignesh Subramanian

Utrecht University

ABSTRACT:

In this talk, I will introduce the notion of perfect (\mathbb{F}_p) -algebras in the context of homotopical algebra and explore their connection to unstable homotopy theory. These methods provide a conceptual framework that leads to an elegant proof of the Sullivan conjecture. This work is joint with Robert Burklund.

ALL ARE CORDIALLY INVITED