



Theoretical Statistics and Mathematics Unit, Kolkata
INDIAN STATISTICAL INSTITUTE

SEMINAR

Date: February 13, 2025

Time: 04:00 PM

VENUE:

L - 2

(4th Floor, A.N. Kolmogorov Bhavan), ISI Kolkata

TITLE:

Bochner-Riesz commutator on Metivier groups

SPEAKER:

Md Nurul Molla

IISER, Kolkata

ABSTRACT:

In this talk, I will discuss the L^p boundedness property of the Bochner-Riesz commutator associated with sub-Laplacians on a Metivier group. It turns out that the Stein-Tomas type restrictions estimate is superfluous in order to study such mapping properties in this setup. In that case, the smoothness conditions of the Bochner-Riesz multiplier can even be expressed in terms of the topological dimension of a Metivier group.

ALL ARE CORDIALLY INVITED