



# INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

## Number Theory Seminar

Date: December 26, 2024

Time: 02:30 PM

### VENUE:

**L- infinity**

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

### TITLE:

**Pullbacks of modular forms and related questions**

### SPEAKER:

**Soumya Das**

IISc, Bengaluru

### ABSTRACT:

*After Gerrett's discovery of the pullback formula for the triple product L-functions attached to modular forms, it has become a subject of intense study. If, instead of Eisenstein series, if one considers cusp forms, this leads to pull-back formulae for central L-values attached to modular forms of lower rank.*

*In this talk, we will consider one such formula, known as Ichino's formula. We will then study its size in the  $L^2$  sense. Such a study may lend support towards Gan-Gross-Prasad conjectures on the same topic.*

*This is an ongoing work with Pramath Anamby.*

**ALL ARE CORDIALLY INVITED**