



**INDIAN STATISTICAL INSTITUTE**  
Theoretical Statistics and Mathematics Unit, Kolkata

**LECTURE**

Date: February 14, 2023, Tuesday

Time: 04:15 PM

**VENUE:**

**L-infinity**

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

**TITLE:**

**Random lemniscates and their metric properties**

**SPEAKER:**

**Koushik Ramachandran**

TIFR CAM, Bangalore

**ABSTRACT:**

*A lemniscate in the plane is a sub level set of the modulus of a complex polynomial. In this talk I will discuss some metric properties of random lemniscates, when the roots of the polynomial are sampled independently from a fixed probability distribution. Based on joint work with Manjunath Krishnapur and Erik Lundberg.*

**ALL ARE CORDIALLY INVITED**