



INDIAN STATISTICAL INSTITUTE

Theoretical Statistics and Mathematics Unit, Kolkata

SEMINAR

Date: September 12, 2023, Tuesday
Time: 11:30 AM

VENUE:

L-infinity

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

TITLE:

Factorization of the Shift Semigroup or the Continuous version of the B-C-L theorem or Operator Mobius Transformation

SPEAKER:

Prof. K B Sinha

JNCASR, Bangalore

ABSTRACT:

The classical Berger-Coburn-Lebow theorem gives a unique factorization of the discrete semigroup $\{M_z^n \times I \mid n \geq 0\}$ in vector-valued Hardy space $H^2_D(E)$, in terms of contractive holomorphic semigroups. Here we study the (continuous) 1-parameter version of this and get a similar factorization with the associated infinitesimal, holomorphic generators giving rise to operator-valued Mobius transformations $D X E$.

ALL ARE CORDIALLY INVITED