

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

## **ICTS Ph.D Synopsis Seminar**

- Title : Berezin quantization of even-dimensional compact manifolds and pullback coherent states
- Speaker Kohinoor Ghosh (ICTS – TIFR, Bengaluru) :

INTERNATIONAL

SCIENCES

- Friday, 07<sup>th</sup> October 2022 Date :
- Time 11: 30 am (IST) :
- Abstract In this talk, our discussion will start with geometric quantization, holomorphic : quantization and Rawnsley coherent states. Then we talk about a local description of the Berezin quantization of the complex projective space. Then we go on to define a Berezin-type quantization for even-dimensional compact manifolds. In the end, we discuss the Toeplitz quantization of compact complex manifolds. We also briefly talk about pullback coherent states.

## Venue Hybrid Mode :

Offline: AKR Meeting Room

Online: Please click on the below link to join the seminar

https://icts-res-in.zoom.us/j/88483581636?pwd=OmIrc21jajlWM1RWckd2Skx2cEdFZz09 Meeting ID: 884 8358 1636 Passcode: 070722