



INTERNATIONAL  
CENTRE *for*  
THEORETICAL  
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

## **ICTS Seminar (HYBRID)**

**Title** : A brief introduction to Quantum Key Distribution

**Speaker** : Devashish Tupkary (University of Waterloo, Canada)

**Date** : Thursday, 04<sup>th</sup> January 2024

**Time** : 11:00 AM (IST)

**Abstract** : In this talk, we will cover the fundamentals of quantum key distribution (QKD): what it is, what it achieves, and the principles behind its working. We will also cover aspects of practical quantum key distribution, and some aspects of the theoretical analysis of such protocols. Finally, I will try to give an overview of the current status of the field, and major open problems.

**Venue** : **Offline:** Emmy Noether Seminar Room (ICTS)

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

<https://icts-res-in.zoom.us/j/95239317316?pwd=by9kVTdCVTV4VzY5OUU0NnhkcThvQT09>

Meeting ID: 952 3931 7316

Passcode: 205755