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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

## ICTS Seminar

**Title** : Nonlocal Calderón Problem

**Speaker** : Tuhin Ghosh (Universitat Bielefeld, Germany)

**Date** : Monday, 18<sup>th</sup> April, 2022

**Time** : 03:30 pm (IST)

**Abstract** : In this talk, we will discuss the Calderón type inverse problem of determining the coefficients of the nonlocal operators. In the mathematical literature, the method of Electrical Impedance Tomography which consists in determining the electrical properties of a medium by making voltage and current measurements at the boundary of the medium is known as Calderón's problem. We will introduce the nonlocal analog of it and further study the connection with the local analog as well.

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

<https://icts-res-in.zoom.us/j/82439913682?pwd=VHZKdGpuWlRTN2RzZWwh1ZkZWk2lZlZz09>

Meeting ID: 824 3991 3682

Passcode: 181822

International Centre for Theoretical Sciences - TIFR

Survey No. 151, Shivakote, Hesaraghatta Hobli, Bengaluru (North) 560089,

India Email: [academicoffice@icts.res.in](mailto:academicoffice@icts.res.in) Website: [www.icts.res.in](http://www.icts.res.in)