



# INTERNATIONAL CONFERENCE

ON

## **QUANTUM INFORMATION AND FOUNDATIONS (ICQIF-2022)**

**February 14-24, 2022**

Organized by

Physics & Applied Mathematics Unit, Indian Statistical Institute, Kolkata 700108, India

Jointly with

University of Calcutta, S. N. Bose National Centre for Basic Sciences and Bose Institute, Kolkata



**AIMS & OBJECTIVES:** ICQIF-2022 will focus topics related to the interface of quantum information and other related areas in addition to fundamental issues of quantum mechanics and quantum information.

Through ICQIF-2022 we are looking forward to provide the desired opportunity of numerous interactions among the researchers of different domain within the scope of quantum information and foundations (QIF) and those employing QIF as tool in various fields of knowledge.

### Organizing Committee

**Prof. Archan S. Majumdar**

SNBNCBS, Kolkata

**Prof. Guruprasad Kar**

ISI, Kolkata

**Prof. Preeti Parashar**

ISI, Kolkata

**Prof. Debasis Sarkar**

University of Calcutta, Kolkata

**Prof. Somshubhro Bandyopadhyay**

Bose Institute, Kolkata

### Topics

- Quantum Non-locality and its applications
- Quantum Correlations
- Quantum Resource Theory
- Quantum Metrology
- Quantum Coherence
- Quantum Computation
- Quantum Algorithms
- Quantum Cryptography
- Quantum Channel
- Experimental manifestations of quantum systems
- Open Quantum Systems
- Other relevant topics

### Conveners

**Dr. Indrani Chattopadhyay**

University of Calcutta, Kolkata

**Dr. Ramij Rahaman**

ISI, Kolkata

**Dr. Swapan Rana**

ISI, Kolkata

**Registration & Paper Submission Deadline**

**25<sup>th</sup> January, 2022**

**For registration & paper submission:**

<https://www.isical.ac.in/~icqif/>

### Correspondence

Conveners, ICQIF-2022

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