



# CALL FOR PAPERS

**ICDQE 2020**  
**Mar 05-06, 2020**  
**Rome, Italy**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICDQE 2020 : International Conference on Digital Quantum Estimation is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Digital Quantum Estimation. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

- Quantum estimation
- Quantum estimation for quantum technology
- Digital quantum estimation
- Quantum phase estimation algorithm
- Quantum detection and estimation theory
- State and parameter estimation in quantum theory
- Application of quantum estimation theory
- Information-theoretic quantum metrology
- Quantum estimation and stochastic control
- Entanglement and purity
- Nonlinear functions of the density matrix
- Quantum observables
- Local quantum estimation theory
- Symmetric logarithmic derivative
- Quantum statistical models