



CALL FOR PAPERS

ICQISET 2020
Jun 04-05, 2020
New York, USA

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.

ICQISET 2020 : International Conference on Quantum Information Science, Engineering and Technology is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Quantum Information Science, Engineering and Technology. 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:

Algorithms, walks on graphs, spin chains, phase transitions, chaos, and localization

Decoherence

Emerging topics: cluster states, adiabatic quantum computing, topological quantum computing

Entanglement

Implementations of Quantum Information Processing

Implementations: linear optics, cavity QED, ion traps, solid state, etc.

Large Scale QIP and architecture design

Measurement Based QIP

Novel practical quantum applications and technologies

Optical QIP Implementations

Physical realizations of quantum systems for information technology such as photons, single atoms,

ions, molecules, nuclear and electron spins, superconducting

circuits, micro- and nano-mechanics, hybrid quantum systems

Precision quantum measurements and metrology

QKD and quantum networks

Quantum communication and cryptography, quantum channels, quantum repeaters

Quantum Computing and Quantum Information Theory

Quantum Control

Quantum control and error correction

Quantum Cryptography and Quantum Communications

Quantum imaging and lithography

Quantum information and quantum communication

Quantum Information Theory

Quantum Measurement and Quantum Metrology

Quantum state reconstruction, super-resolution

Solid State QIP implementations

SQUID systems

Storage and transfer of quantum information

