CALL FOR PAPERS

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.

ICEQIS 2022 : International Conference on Engineering and Quantum Information Sciences is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Engineering and Quantum Information Sciences. 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