



# CALL FOR PAPERS

**ICAQEDS 2021**  
**Jan 18-19, 2021**  
**Bangkok, Thailand**

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.

ICAQEDS 2021 : International Conference on Advanced Quantum Engineering, Devices and Systems is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Advanced Quantum Engineering, Devices and Systems. 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 Engineering  
Quantum Information  
Quantum Computation  
Quantum Correlations and  
Decoherence  
Quantum Optics  
Quantum Cryptography  
NMR Quantum Computing  
Superconducting Quantum Devices  
Silicon and Quantum Dot based  
Devices  
Quantum Computing with Cold Atoms  
Tests of Quantum Theory  
Quantum Spintronics and  
Engineering

Fundamentals of quantum mechanics  
and their applications  
Quantum states and their  
superposition  
Measurements, observables and  
operators  
Collapse of wave packets  
Heisenberg uncertainty relations  
The Schrödinger equation  
Application to tunneling  
microscopy  
The one-dimensional well and  
confinement effects in  
semiconductors  
Perturbation theory  
Confined Stark effect  
Emission and absorption of light  
Quantum nanodevices