



# CALL FOR PAPERS

**ICAAQO 2022**  
**Oct 04-05, 2022**  
**Tbilisi, Georgia**

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.

ICAAQO 2022 : International Conference on Advanced Applications of Quantum Optics is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Advanced Applications of Quantum Optics. 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 optics  
Quantum lasers  
Quantum photonics  
Quantum imaging  
Optical gating  
Quantum noise  
Quantum interference  
Nonclassicality  
Quantum electrodynamics  
Ultracold trapped atoms  
Quantum phenomena  
Quantum theory of light  
Foundations of quantum optics

Superposition principle  
Squeezed states  
Uncertainty relations  
Bell inequalities  
Nonstationary casimir effect  
Phase space and group  
representations in quantum physics  
Quantum transforms in signal  
analysis  
Quantum state generation and  
characterization  
Quantum interference and  
entanglement measure  
Quantum-like and mesoscopic  
systems  
Trapped atoms and degenerate gases  
Quantum chaos and quantum control