



# CALL FOR PAPERS

**ICCQMNP 2022**  
**May 20-21, 2022**  
**Berlin, Germany**

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.

ICCQMNP 2022 : International Conference on Computational Quantum Mechanics and Nuclear Physics is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Computational Quantum Mechanics and Nuclear Physics. 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:

Computational Quantum Mechanics  
Cold-atom physics  
Computational Quantum Mechanics for Nuclear Physics  
Condensed Matter physics  
Foundation of Quantum Mechanics  
General Relativity Theory,  
Cosmology and Astrophysics  
Group Theory  
High Energy Physics  
Lie algebras  
Mathematical Physics  
Monte Carlo simulation methods  
Nuclear Physics  
Phase transitions

Physical implementations of quantum information processing  
Quantum communications  
Quantum Information and Quantum Mechanics of Measurements and Open Systems  
Quantum information theory  
Quantum optics  
Quantum Theory including Quantum Information (Quantum Computers, Quantum Cryptography, Teleportation of Quantum States)  
Quantum tomography of states and quantum devices  
Statistical Mechanics  
Nuclear Physics  
Accelerator Technology Main Systems  
Applications of Accelerators  
Applied nuclear physics in medicine and industry