



CALL FOR PAPERS

ICNSMTA 2020
Sep 08-09, 2020
Singapore, SG

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.

ICNSMTA 2020 : International Conference on Nuclear Structure, Models, Theories and Approaches is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Nuclear Structure, Models, Theories and Approaches. 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:

Nuclear structure	The interacting boson model
Models of nuclear structure	Spontaneous breaking of symmetry in nuclear physics
The liquid drop model	Extensions of the mean field theories
The shell model	Nuclear pairing phenomenon
The shell concept	Symmetry restoration
Basic hypotheses	Particle vibrations coupling
Brief description of the formalism	The one-body potential
Mean field theories	The Woods-Saxon potential
Nuclear masses	The general many-body problem for fermions
The independent-particle model	Conserved quantum numbers
Nuclear potential and effective interaction	Quantum numbers for the two nucleon system
The self-consistent approaches of the hartree-fock type	The Hartree-Fock approximation
The relativistic mean field approaches	Configuration mixing