



# CALL FOR PAPERS

**ICCMADS 2021**  
**Mar 29-30, 2021**  
**Sydney, Australia**

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.

ICCMADS 2021 : International Conference on Computational Models of Accelerator-Driven Systems is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Computational Models of Accelerator-Driven 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:

Analyses of subcritical research assemblies  
The analytical solution of the P1 neutron transport equation without the space-time separation  
The comparison between numerical and experimental results  
The investigation of the kinetic and local neutron parameters  
The neutron detector dead time  
The two-group theory of the Feynman-alpha method

Fuel cycles for actinides incineration and  $^{233}\text{U}$  production from thorium  
New computational software to analyze the in-core and out-of-core fuel cycles  
The activation of structural materials, and the accumulation of spallation products  
Safety studies and the design of the SCRAM system  
Studies on nuclear level density parameters of target isotopes, energy correlation of spallation neutrons, and fragments production