



# CALL FOR PAPERS

**ICNAAACSB 2020**  
**Mar 19-20, 2020**  
**Prague, Czechia**

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.

ICNAAACSB 2020 : International Conference on Neutron Activation Analysis and Activation Cross Section Behavior is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Neutron Activation Analysis and Activation Cross Section Behavior. 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:

Neutron activation analysis  
Concepts, instrumentation and techniques  
Variations  
Neutron sources  
Reactors  
Fusors  
Isotope sources  
Gas discharge tubes  
Detectors  
Analytical capabilities  
Applications  
Single-comparator methods in reactor neutron activation analysis  
Reactor neutron spectrum representation

Activation cross section behavior  
Reaction rate  
Complex activation and decay  
Production of radio-isotopes  
Detection of radio-isotopes  
Statistics  
Efficiency calibration  
Experimental set-up  
Full peak efficiency  
Total efficiency  
Neutron flux absorption in gold foils  
Experimental set-up  
Theoretical background