



CALL FOR PAPERS

ICNNNN 2022
Jan 07-08, 2022
Tokyo, Japan

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.

ICNNNN 2022 : International Conference on Nanomechanics, Nanotechnologies, Nanomaterials and Nanostructures is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Nanomechanics, Nanotechnologies, Nanomaterials and Nanostructures. 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:

Atomistic and dislocation modelling
Atomistic studies on deformation and fracture
Comparison variational principles
Complex, graded and interpenetrating microstructures
Composite materials
Composite nanomechanics
Computational nanomechanics of composites
Effective elastic modulus
Eshelby tensors in a finite volume and their applications
Fracture criteria for prediction of crack propagation
Green's function and fourier transform
Inelasticity and nanomechanics of metal matrix composites
Introduction of dislocation theory

Introduction to configurational mechanics
Layered metal/ceramic composite materials, multilayer graded structures and graded interfaces
Mathematical and computational modeling of cracks
Mechanics and nanomechanics
Nanomechanical damage theory
Nanomechanical experiments
Nanomechanical homogenization theory
Nanomechanical simulation of composites
Nanomechanics and microstructure of metals
Nanomechanics and nanomechanics
Nanomechanics and nanosimulation of metals and composites
Nanomechanics of advanced materials
Nanomechanics of composite materials