



# CALL FOR PAPERS

**ICSAAA 2020**  
**Sep 23-24, 2020**  
**Vancouver, Canada**

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.

ICSAAA 2020 : International Conference on Semiconductor Alloys for Advanced Applications is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Semiconductor Alloys for Advanced Applications. 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:

Semiconductor alloys  
Compound semiconductor alloys  
Crystal structures  
Bonding in ordered structures  
Elasticity  
Alloy statistics and phase diagrams  
Spontaneous ordering in semiconductor alloys  
Band structure theory  
Band structures of semiconductors and their alloys  
Statistical thermodynamics of semiconductor alloys  
Structural properties of semiconductor alloys

Thermal properties of semiconductor alloys  
Elastic properties of semiconductor alloys  
Lattice dynamic properties of semiconductor alloys  
Collective effects and response characteristics of semiconductor alloys  
Energy-band gaps and effective masses  
Deformation potentials of semiconductor alloys  
Optical properties of semiconductor alloys  
Elasto-optic, electro-optic and nonlinear optical properties of semiconductor alloys  
Carrier transport properties of semiconductor alloys  
Electronic and optoelectronic properties of semiconductor structures  
Semiconductor alloys for optical devices