



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