



CALL FOR PAPERS

ICRASP 2021
May 27-28, 2021
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.

ICRASP 2021 : International Conference on Recent Advances in Solidification Processes is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Recent Advances in Solidification Processes. 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:

Advances in solidification processing
Solidification fundamentals (thermodynamics, nucleation, crystal growth kinetics, coarsening, mushy zone, fragmentation, etc.)
Modeling and simulation (analytical and numerical models, numerical methods, verification and validation of models)

Solidification observations (advanced microscopy, electron beam analysis, transparent organic analogues, X-ray tomography, confocal scanning laser microscope, imaging and analysis).
Solidification processing (continuous casting, shape casting, ingot, directional solidification, rapid solidification, semi-solid processing, welding, additive manufacturing, solidification/remelting under imposed electromagnetic or high magnetic fields, etc.)
Structural/compositional heterogeneity and other solidification accompanying phenomena (columnar-to-equiaxed transition, micro- and macrosegregation, cavity and porosity, hot tearing, non-metallic inclusions, stress-strain and deformation, etc.)