



CALL FOR PAPERS

ICMTK 2021
Dec 16-17, 2021
Barcelona, Spain

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.

ICMTK 2021 : International Conference on Materials Thermodynamics and Kinetics is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Materials Thermodynamics and Kinetics. 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:

Thermodynamics in Materials
Science
Materials Thermodynamics
Thermodynamic Variables
Chemical Thermodynamics in
Materials Science
Application of Thermodynamics and
Kinetics in Materials Engineering
State Variables and Functions
Thermodynamic Systems and
Processes
Properties of Materials
Stored Energy in Solids, First Law
for Fluids
Quasi-static Processes
Heat Capacities and Gaseous
Behavior
Internal Energy and Enthalpy for
Fluids
Thermodynamic Functions for General
Systems

The Second Law
Heat Stored during Phase Changes
Gibbs Free Energy
Entropy Content in Materials
Conditions of Equilibrium
Describing the State of an Alloy
Generalized Conditions for
Equilibrium
The Chemical Potential
Mathematics of Thermodynamics
Mathematical Relations and Changing
Variables
Mathematics and Stability
Implications of Equilibrium and
Gibbs-Duhem
Symmetry and Equilibrium