



CALL FOR PAPERS

ICMSAI 2021
Apr 29-30, 2021
Jerusalem, Israel

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.

ICMSAI 2021 : International Conference on Material Science with Artificial Intelligence is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Material Science with Artificial Intelligence. 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:

Artificial intelligence for materials science
Application of classification/regression techniques
Application of physics-based constraints
Selection and importance of features/descriptors
Comparison metrics of artificial intelligence techniques
Challenges applying artificial intelligence to materials
Dataset and tools for employing artificial intelligence
Integrating experiments with artificial intelligence techniques
Using artificial intelligence to develop classical force-fields
Machine learning in materials science
Materials discovery and design using machine learning

Machine learning methods in materials science
Machine learning in materials informatics
Data mining and machine learning approaches on engineering materials
Theory-guided machine learning in materials science
Machine learning and data science in soft materials engineering
The application of machine learning in material property prediction
The application of machine learning in new materials discovery
The application of machine learning for various other purposes
Analysis of and countermeasures for common problems
Machine learning for finding energy materials
Computational materials science