



CALL FOR PAPERS

ICHSA 2020
Mar 23-24, 2020
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.

ICHSA 2020 : International Conference on Heterogeneous System Architectures is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Heterogeneous System Architectures. 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:

Heterogeneous architectures
Heterogeneous architecture design
Heterogeneous systems and architecture
Programming models and tools
Algorithms for heterogeneous parallel system
Performance modeling
Applications on heterogeneous system
Parallel algorithms for heterogeneous and hierarchical systems, including many cores and hardware accelerators
Parallel algorithms for efficient problem solving on heterogeneous platforms
Performance models and their use in the design of parallel and distributed algorithms for heterogeneous platforms

Programming paradigms and tools for heterogeneous systems
Paradigms, algorithms, and techniques for failure management in high performance heterogeneous computing systems and applications
Resource management in heterogeneous systems including allocation and scheduling
Heterogeneity in computer architectures
Performance evaluation and management of heterogeneous systems and applications
Ubiquitous computing with heterogeneous systems
Application case studies
Task coordination and workflow issues in heterogeneous systems
Confluence of big data and heterogeneity
Interoperability of heterogeneous software systems