CALL FOR PAPERS

ICCSAT 2020
Mar 05-06, 2020
Rome, Italy

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.

ICCSAT 2020 : International Conference on Computing Systems Architectures and Technologies is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Computing Systems Architectures and Technologies. 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:

Architecture of computing systems
Multi-/many-core architectures, memory systems, and interconnection networks.
Programming models, runtime systems, and middleware support for many-core and/or heterogeneous computing platforms.
Tool support for performance optimization, debugging, and verification.
Generic and application-specific architectures such as reconfigurable systems in hardware and software
Robust and fault-tolerant systems structures.
Architectures and design methods/tools for real-time embedded systems.
Cyber-physical systems and distributed computing architectures.
Organic and autonomic computing including both theoretical and practical results on self-organization, self-configuration, self-optimization, self-healing, and self-protection techniques.

Operating systems including but not limited to scheduling, memory management, and power management
Energy and power-aware computing, including green computing topics.
System aspects of ubiquitous and pervasive computing such as sensor nodes, novel input/output devices, novel computing platforms, architecture modeling, and middleware.
Architectures for robotics and automation systems.
Applications of embedded and cyber-physical systems.
High-performance computing.
Approximate computing.
Post-moore architectures, including but not limited to quantum and neuromorphic computing