



# CALL FOR PAPERS

**ICMDS 2020**  
**Mar 19-20, 2020**  
**Prague, Czechia**

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.

ICMDS 2020 : International Conference on Memristive Devices and Systems is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Memristive Devices and Systems. 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:

Memristive materials, devices and systems  
Memristors fundamentals: physics and reliability  
Theory and modeling  
Functional materials and devices  
Advanced nanoelectronic technologies  
New testing and characterization techniques  
Information storage at the nano-scale  
Bio-inspired/-mimetic memory and computation  
Neuromorphic circuits and systems

Memristor-based logic  
Memristor-based circuits  
Signal processing with memristors  
Applications exploiting memristors  
Novel architectures and CMOS integration  
Cellular automata and array computing  
Chaos and complex networks  
Sensory applications