



CALL FOR PAPERS

ICHC 2020
Apr 24-25, 2020
Istanbul, Turkey

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.

ICHC 2020 : International Conference on Hardware Cryptography is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Hardware Cryptography. 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:

Cryptographic hardware and embedded systems

Cryptographic implementations

Hardware architectures

Cryptographic processors and co-processors

True and pseudorandom number generators

Physical unclonable functions

Efficient software implementations

Tools and methodologies

Computer aided cryptographic engineering

Verification methods and tools for secure design

Metrics for the security of embedded systems

Secure programming techniques

FPGA design security

Formal methods for secure hardware and software

Interactions between cryptographic theory and implementation issues

New and emerging cryptographic algorithms and protocols targeting embedded devices

Special-purpose hardware for cryptanalysis

Leakage resilient cryptography

Attacks against implementations and countermeasures

Side-channel attacks and countermeasures

Fault attacks and countermeasures

Hardware tampering and tamper-resistance

White-box cryptography and code obfuscation