



# CALL FOR PAPERS

**ICCHES 2021**  
**Dec 16-17, 2021**  
**Bangkok, Thailand**

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.

ICCHES 2021 : International Conference on Cryptographic Hardware and Embedded Systems is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Cryptographic Hardware and Embedded 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:

## Cryptographic Hardware and Embedded Systems

Cryptographic implementations

Hardware architectures for cryptographic primitives

Cryptographic processors and co-processors

Hardware accelerators for security protocols (security processors, network processors, etc.)

True and pseudorandom number generators

Physical unclonable functions (PUFs)

Efficient software implementations of cryptography

Attacks against implementations and counter measures against these attacks

Side channel attacks and counter measures

Fault attacks and counter measures

Hardware tampering and tamper-resistance

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

Interactions between cryptographic theory and implementation issues

New and emerging cryptographic algorithms and

protocols targeting embedded devices