



CALL FOR PAPERS

ICAFFI 2021
Feb 15-16, 2021
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.

ICAFFI 2021 : International Conference on Arithmetic of Finite Fields and Implementations is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Arithmetic of Finite Fields and Implementations. 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:

Arithmetic of finite fields
Theory of finite field arithmetic
Bases (canonical, normal, dual,
weakly dual, triangular ...)
Polynomial factorization,
irreducible polynomials
Primitive elements
Prime fields, binary fields,
extension fields, tower fields...
Elliptic and hyperelliptic curves
Hardware and software
implementations
Optimal arithmetic modules
Design and implementation of finite
field processors
Design and implementation of
arithmetic algorithms

Pseudorandom number generators
Hardware/Software Co-design
IP components
Field programmable and
reconfigurable systems
Applications of finite fields
Cryptography
Communication systems
Error correcting codes
Finite geometry
Quantum computing