

FCS 2022

**International
Conference on**

FRONTIERS IN CYBER SECURITY

December
13 to 15,
2022

Venue: Hybrid - Virtual |
Golden Tulip, Kumasi-
Ghana



News

- (August 25, 2022) Deadline for paper submission

Call for papers

The fifth (5th) International Conference on Frontiers in Cyber Security (FCS 2022) will be held in Kumasi, Ghana from December 13th to December 15th, 2022, organized by the Department of Computer Science, KNUST and the Center for Cyber Security, University of Electronic Science and Technology of China (UESTC). Cyber security is optimally a subject of great concern for nations, industry practitioners and the academia. New cyber security technologies are emerging. Many universities and institutions have set up the research center or school for cyber security. Both government and enterprises are strongly supporting teaching and research in the cyber security. However, how to carry out research and education in cyber security is still a challenge for many. How to run the center for cyber security is also worth exploring since new center usually involves many departments. The FCS conference provides a good platform for researchers and practitioners to exchange the latest research results in cyber security and management experience in operating such a center. We plan to publish all conference proceedings in the Springer Communications in Computer and Information Science (CCIS) which is indexed by Scopus and EI.

Author Instructions

Authors are invited to submit original papers written in English. Each paper must not appear in any other conferences with proceedings or any journal. The submission must be anonymous, with no author names, affiliations, acknowledgements, or obvious references. Original contributions are invited up to 16 pages in length (single column) excluding appendices and bibliography and up to 20 pages in total, using at least 11-point fonts and with reasonable margins. It is highly recommended to prepare the papers in the Springer LNCS format <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>. Only PDF files will be accepted.

If accepted, one of the authors is expected to present the paper online or in-person at the conference.

Papers must be submitted through

<https://easychair.org/conferences/?conf=fcs2022>

Area of Interest

I. Cyber Security Management

Establishment of Center for Cyber Security
Operation of Center for Cyber Security
Management of Center for Cyber Security
Development of Center for Cyber Security

II. Cryptography

Foundations of Cryptography
Symmetric Key Cryptosystems
Public Key Cryptosystems
Hash Functions
Key Management
Digital Signature
Cryptographic protocols
Provable Security
Implementation of Cryptosystems
Cryptanalysis

III. Cryptographic Applications

Cryptography for Currencies
Cryptography for Cloud Computing
Cryptography for Internet of Things
Cryptography for Pervasive Systems
Cryptography for Social Networks
Cryptography for Smart Grid
Cryptography for Mobile Communication
Cryptography for Big Data
Cryptography for Information hiding
Cryptography for Artificial Intelligence

IV. Blockchain Technology and Application

Applications of blockchain in IoT scenarios
Attacks on blockchain based systems
Blockchain based IoT security solutions
Blockchain in 5G
Blockchain in crowdsourcing and crowdsensing
Blockchain in cyber physical systems
Blockchain in edge and cloud computing
Blockchain schemes for decentralization in IoT
Lightweight data structures, protocols and algorithms for IoT devices
Performance evaluation and optimisation of blockchain and decentralized schemes for IoT
Security, privacy and trust of blockchain and decentralized schemes
Smart contract and distributed ledger for IoT devices and data
Theories of blockchain and distributed systems

V. Artificial Intelligence and Cyber Security

Artificial Intelligence and Cyber Security
AI for Malware Analysis
AI for human behavior