

International Conference on Cyber Security and Ethical Hacking in Blockchain Technology (ICCSEHBT)

Sponsored by AICTE

29th September - 1st October 2021



Hosted by



SCMS

SCHOOL OF TECHNOLOGY
AND MANAGEMENT (SSTM)

SCMS, Campus: Prathap Nagar, Muttom, Aluva, Cochin - 683106.

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SCMS School of Technology and Management (SSTM) is organizing an International Conference on **Cyber Security and Ethical Hacking in BlockChain Technology** from **29th September to 1st October 2021 on Zoom**. The conference aims to discuss the most relevant ongoing research efforts in blockchain security and privacy.

As part of the conference, we are inviting research papers on the topics (but are not limited to) :

- Hash functions for blockchain systems
- Encryption and Digital signature schemes for blockchain systems
- Access control protocol and Authentication schemes for blockchain systems
- Key management protocols for blockchain systems
- Commitments and zero-knowledge proofs for blockchain systems
- Secure multi-party computation protocols for blockchain systems
- Private information retrieval and Proof of retrievability schemes for blockchain systems
- Post-quantum cryptography for blockchain systems
- Platforms for decentralized consensus (Bitcoin, Ethereum, Stellar, Ripple, Open Blockchain, etc.)
- New threat models and attacks on existing blockchain technologies
- Defenses and counter measures
- Simple payment verification modes and lightweight blockchain clients
- Anonymity and privacy issues and measures to enhance anonymity and privacy
- Scalability issues and solutions
- Incentive mechanisms for blockchains
- Economic, monetary, legal, ethical, and societal aspects
- Applicability of the technology in financial markets
- Fraud detection and financial crime prevention
- Case studies (for instance, of adoption, attacks, forks, and scams)
- New applications

The research papers can be on any topic on Blockchain systems.

GUIDELINES FOR PAPER SUBMISSION

- The research papers must be original and unpublished.
- Official language for paper writing and presenting is English.
- The papers should be submitted to <https://easychair.org/conferences/?conf=iccsehbt2021>
- **Selected papers from the conference (extended with 50% new content) will be considered for possible publication in the International Journal of Cognitive Computing in Engineering published by Elsevier free of charge.**

Deadline for submission:
15th September 2021

Notification of review results:
19th September 2021

Conference registration deadline
25th September 2021

OUR CONFERENCE WILL BE LED BY INDUSTRY EXPERTS:

- Mr. Thomas B.Cox
- Mr. Porter Stowell
- Ms. Alex Albano
- Mr. Roberto Fernández Hergueta
- Dr. Jane Thomason

We request your cooperation for the conference and for sending in your research papers to make this event a great success.

For further information please contact the Co-Conveners
Ms. Shoby Sunny : shoby@scmsgroup.org, Mr. Praveen Kamath : praveen@scmsgroup.org

CONFERENCE SECRETARIAT

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