



Call for Papers

Track: Hardware/ Cyber Security and Privacy

We are pleased to announce the Call for Papers for the Hardware/Cyber Security & Privacy session of the upcoming COINS conference. In an era where digital innovations are transforming every aspect of our lives, the importance of robust Cyber Security cannot be overstated. As we witness the rapid proliferation of interconnected devices and the omnipresence of data-driven technologies, the need for resilient Cyber Security solutions has become paramount.

Contributions in the field of Cyber Security are instrumental in addressing the evolving threat landscape, safeguarding critical infrastructures, and ensuring the confidentiality, integrity, and availability of information. We encourage submissions that explore novel approaches, cutting-edge methodologies, and innovative technologies to fortify Cyber Security defenses in the face of emerging challenges. The topics of the Hardware/Cyber & Security session of COINS include, but are not limited to:

Hardware Security:

- Hardware-based Attacks and Countermeasures
- Secure Hardware Design
- Efficient and secure HW/SW implementations
- Fault-resistant and tamper-detection designs

Cyber Security:

- Threat models and attack strategies
- Threat detection and mitigation
- Intrusion and malware detection systems
- Cyber-security protocols and security policies
- Cross-layer security
- Usable security

Privacy:

- Privacy and anonymization techniques
- Privacy-enhancing Techniques
- Legal and Ethical Aspects of Privacy

Secure Communication:

- Cryptographic Protocols
- Secure Communication Architectures
- Network Security

Emerging Technologies:

- Internet of Things (IoT) Security
- Blockchain and Cybersecurity
- Trustworthy AI
- Machine learning-based security mechanisms
- Satellite Security

Cryptography

- Lightweight cryptography
- Postquantum cryptography

Applied Security:

- Security and privacy in healthcare
- Security of Critical Infrastructure
- Mobile Security and Privacy

The conference will be a platform for researchers, practitioners, and experts to exchange innovative ideas and share the latest advancements in the field