

# CALL FOR PAPERS

## ICCWS'22

**Pakistan's Premium Cyber Security Conference**  
**Technically Co-sponsored by IEEE**

**IEEE International Conference on Cyber Warfare and Security (ICCWS)**  
**7th-8th December, 2022**

**Air University E-9 Islamabad, Pakistan**

Cyber Security is a rapidly growing global challenge with new sophisticated zero-day attacks costing economies billions of dollars annually. Cyber-attacks may particularly affect the developed world, but developing countries are also at higher risk due to the lack of expertise and shortage of security professionals with adequate skills and experience to effectively combat the rising threats. There is a persistent need for initiatives that can produce skilled resources and carry out Research and Development (R&D) activities in the specialized areas of Cyber Security. National Centre for Cyber Security (NCCS), Pakistan is an R&D initiative of Government of Pakistan to promote research and human resource development in the fields of Cyber Security. NCCS is organizing a two days international conference, i.e. ICCWS-2022 at Air University Islamabad, Pakistan. Researchers and practitioners around the World are invited to share their original research ideas and experiences related to the developments as well as the emerging areas of Cyber Security. ICCWS-2022 will include high quality and focused technical program on Cyber Security with keynote talks from prominent industry and academia experts.

### TOPICS OF INTERESTS

Submissions are solicited in the following topics and related areas:

- Networks and infrastructure security
- Hardware and systems security
- Operating systems and software security
- Web, Big data and Cloud security
- Distributed systems and data centre security
- Security and privacy for embedded systems, IoT and Cyber Physical Systems
- Information security, data provenance, and information assurance
- Cryptology, cryptanalysis and security analysis of cryptographic primitives and protocols
- Prevention, detection and investigation of APTs, DDoS and other cyber attacks
- Anti-malware techniques: detection, analysis, and prevention
- Artificial Intelligence aided security and privacy concerns
- (Adversarial) Machine learning and cyber deception
- (Anti-) Reverse engineering, side channel attacks and physical attacks
- Protection of digital services and applications
- Digital forensics, social media, networks, computer and mobile forensics
- Automated security analysis of protocols, source code and binaries
- Security, Privacy, and Trust in Digital Payments and Crypto-currencies
- Security and privacy issues in Blockchain
- Security, privacy and resilience in critical infrastructures
- Testing, auditing and evaluation of security architectures and models
- Security issues in 5G Networks and Beyond
- Security for future Internet architectures and designs
- Measurements and monitoring of human behaviour in cyberspace
- Interdisciplinary research connecting cyber security and privacy to psychology
- Usable security and privacy: human factors and societal aspects
- Cybercrime defense (anti-phishing, anti-blackmailing, anti-fraud, etc.) techniques
- Policy making and legal aspects of cyber security (cyber laws and regulations)

### IMPORTANT DATES

**Submission Deadline:** 31st August, 2022

**Acceptance Notification:** 15th October, 2022

### HOW TO SUBMIT PAPERS

Please visit at:

<https://easychair.org/conferences/?conf=iccws2022>