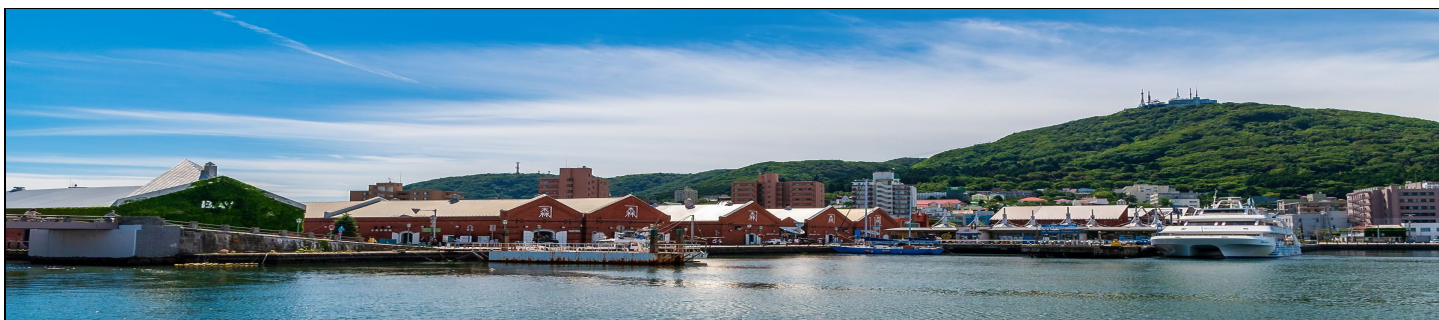




BigCyberSecurity 2026

The 8th IEEE International Workshop on Big Data Analytics for Cyber Security and Defence

CALL FOR PAPERS

The rapid evolution of digital infrastructures, cloud-edge computing, the Internet of Things (IoTs), and artificial intelligence (AI) has significantly expanded the cyber-attack surface. Cyber threats are becoming more automated, persistent, and difficult to detect, including ransomware, advanced persistent threats, AI-enabled attacks, misinformation, and attacks on critical infrastructures. These threats can cause financial losses, operational disruptions, privacy violations, and broader security consequences. Big data analytics offers effective means to extract actionable intelligence from large-scale, heterogeneous, dynamic, and potentially untrusted data. By analyzing network traffic, system logs, cloud platforms, IoT devices, social media, and cyber-physical systems, advanced analytics, machine learning, graph intelligence, and generative AI can support anomaly detection, attack identification, vulnerability assessment, threat prediction, and security decision-making. This workshop aims to bring together researchers, practitioners, industry professionals, and government stakeholders to exchange innovative ideas and advance intelligent, trustworthy, privacy-preserving, and resilient cybersecurity and defense.

TOPICS:

Workshop suggested topics include, not exhaustively, empirical and theoretical studies of the following:

- ☐ AI security
- ☐ Embodied intelligent security
- ☐ Agent security
- ☐ Network security
- ☐ Mobile and cloud computing security
- ☐ Large model security
- ☐ Anomaly & intrusion Detection
- ☐ Data driven abnormal traffic analysis

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In conjunction with The
11th IEEE Cyber Science and
Technology Congress
(CyberSciTech 2026)
November 9–13, 2026
Melbourne, Australia

Important Dates

Submission Due: **Aug. 15, 2026**
Authors Notification: **Sep. 1, 2026**
Camera-ready: **Oct. 1, 2026**

Submission:

All accepted papers will be
published by IEEE in
Conference Proceedings
(IEEE-DL and EI indexed).