



## BigCyberSecurity 2025

### The 7<sup>th</sup> IEEE International Workshop on Big Data Analytics for Cyber Security and Defence

#### CALL FOR PAPERS

With the growing frequency and sophistication of cyber attacks, incidents of data breaches and information leaks have become increasingly prevalent, resulting in significant financial losses and broader societal impacts. These attacks are now more complex and harder to detect and mitigate. Big data analytics presents a promising approach to address these challenges by enabling the identification of anomalies and irregular patterns across vast datasets. In the context of cybersecurity and defense, big data analytics involves collecting and aggregating massive volumes of information from diverse sources—such as the Internet, network traffic, and social media—followed by the analysis, validation, and prediction of security threats. This approach enhances the ability to detect and prevent cyber attacks proactively. The objective of this workshop is to foster collaboration among researchers and practitioners working at the nexus of cyber science, data science, network science, and security.

#### TOPICS:

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

- ☐ System security
- ☐ IoT security
- ☐ Network security
- ☐ Hardware security
- ☐ Mobile and cloud computing security
- ☐ Social network security
- ☐ Anomaly & Intrusion Detection
- ☐ Data-driven security and measurement studies

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In conjunction with The  
10th IEEE Cyber Science and  
Technology Congress  
(CyberSciTech 2025)

October 21–24, 2025

Hakodate City, Hokkaido,  
Japan

#### Important Dates

Submission Due: July 10, 2025

Authors Notification: Aug 11, 2025

Camera-ready: Sep 12, 2025

#### Submission:

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