BigCyberSecurity 2021

The 3rd IEEE International Workshop on Big Data Analytics for Cyber Security and Defence

In conjunction with 6th IEEE Cyber Science and Technology Congress (CyberSciTech 2021)
Oct. 25-28, 2021 - Calgary, Canada

CALL FOR PAPERS

Due to the rising intensity of cyber-attacks, information leakage incidents and other security breaches are continuously occurring and result in huge financial losses, public safety issues, and other detrimental consequences. Therefore, it is urgent to protect cyber systems including hardware, software and data against advanced cyber-attacks such as zero-day attacks and advanced persistent threats. Cyber-attacks are becoming more sophisticated and difficult to detect and fight. Big data analytics is an appealing idea to address this challenge, which is effective for examining and detecting irregularities and abnormal patterns. Big data analytics for cyber security and defences involve the ability to collect and gather massive amounts of data in multiple sources (e.g., Internet, network traffic, online social networks, and public IoT infrastructure), the ability to identify, analyse, and validate security vulnerabilities, the ability to sense, assess, and alert public safety issues, and the ability to predict, detect, and stop cyber-attacks. The goal of the workshop is to bring together a community of researchers and practitioners who study problems at the intersection of cyber science, data science, security, public safety, and network science.

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
- Blockchain security
- Public safety

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Important Dates

Submission Due: **Jun 30, 2021**
Authors Notification: **July 30, 2021**
Camera-ready: **August 20, 2021**

Submission:

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

Link