Special Issue

Research and Applications of Natural Language Processing in Cybersecurity

Message from the Guest Editor

Natural language processing (NLP) has become increasingly valuable in the field of cybersecurity due to its ability to process and understand human language. It has enabled the development of sophisticated tools and applications that aid in the detection, prevention, and mitigation of cyber threats. However, it is essential to remain aware of potential challenges, such as adversarial attacks on NLP models, data privacy concerns, and the need for robust NLP models capable of handling complex and diverse cybersecurity texts. For this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: cyber threat hunting, threat intelligence and information extraction, sentiment analysis for security alerts, malware analysis, phishing detection, vulnerability assessment and patch management, user behavior analysis, natural language generation for reporting, big data and machine learning analytics for cybersecurity, and digital forensics. I look forward to receiving your contributions.

Guest Editor

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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