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High Accuracy Detection of Mobile Malware Using Machine Learning

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editor

This Special Issue calls for contributions that focus on novel, efficient and high-accuracy detection of malware on the mobile platform using machine learning. The Special Issue invites authors to submit high-quality research papers reporting the latest results and innovative approaches featuring robust, scalable, obfuscation-resilient, attack-resistant machine learning techniques. The scope of the topics for this Special Issue includes (but is not limited to) the following:

- Systematic review of the latest machine-learning-based mobile malware research
- Novel machine learning techniques applied to mobile malware
- Deep-learning-based detection of mobile malware
- Novel supervised and unsupervised learning techniques
- Classifier fusion and ensemble-learning-based approaches
- Novel system architectures for mobile malware detection
- Network-based machine-learning-driven detection systems
- Edge/fog computing machine-learning-based detection systems
- Cloud-based/cloud-assisted large-scale detection systems
- Adversarial machine learning techniques
- Mitigating long-term performance decline

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Message from the Editor-in-Chief

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