

Special Issue

Side Channel Attacks in Embedded Systems

Message from the Guest Editors

In recent years, researchers have demonstrated that modern computing systems are vulnerable from both computational and storage perspectives, and most of the performance optimizations present in modern-day computing systems can potentially expose them to adversaries and the leakage of critical information. These existing vulnerabilities lead to side-channel information leakage in many different ways, from physical to microarchitectural information. Moreover, new leakage channels keep appearing in existing architecture. Thus, the real attack surface is still unknown, both at software and hardware levels.

Side-channel analysis (SCA) has, therefore, become an important field of research.

This Special Issue is seeking original papers presenting attacks and exploitations, secure implementation, secure design and evaluation tools, detection techniques, and software and hardware countermeasure techniques, with a special focus on side-channel attacks.

Guest Editors

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Deadline for manuscript submissions

closed (10 January 2022)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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