Special Issue

Side Channel Attacks and Countermeasures

Message from the Guest Editor

This Special Issue of *Applied Sciences* is dedicated to outlining the state-of-the-art technologies in the area of side-channel attacks. Topics of interest include (but are not limited to) the following:

- Power, EM, timing, acoustic, fault, and cache attacks;
- Countermeasures against side-channel attacks
- Higher-order side channel attacks;
- Higher-order masking countermeasures;
- Signal processing for side-channel attacks;
- Modeling of side-channel attacks;
- Profiling attacks;
- Machine learning-based side-channel attacks;
- Side-channel attacks against post-quantum cryptography;
- Single trace attacks against public key cryptosystems;
- Differential computation analysis against white-box cryptography and its countermeasures;
- Physical unclonable functions (PUFs).

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2020)

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About the Journal

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.

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