



symmetry



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Sustainable Security Solutions for Mobile Applications with Symmetry

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Message from the Guest Editors

With mobile software increasingly affecting modern lives, their security and privacy have received growing attention. While techniques utilizing data-driven methods have demonstrated great potentials, a key challenge remains that they tend not to be sustainable: A technique working well for mobile applications in one period of time may not work as well for later applications. This Special Issue is dedicated to exploring and discovering novel, sustainable solutions to eliminate the need to repeatedly and frequently develop/update techniques for newer mobile applications. The topic pursues a synergy between sustainable mobile software security and robust data-driven (especially AI/ML) models, where the symmetry concept is reflected between sustainability in the former and robustness in the latter. This Special Issue collects papers that highlight the recent advances and broad research efforts tackling the challenge of technique deterioration, the lack of training samples that represent new/emerging software applications, and the subsequent proliferation of zero-day security breaches.



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Special Issue



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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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