

Special Issue

Advancements in Computer Systems and Software Testing

Message from the Guest Editor

Modern society has become dependent on computer-based systems. From public and utility services to critical infrastructures, the correctness of computer-based systems is essential for the daily lives of everyone. Thus, computer and software reliability is of paramount importance, including methods for software verification and testing to ensure correct, safe and dependable operation. This Special Issue brings together contributions addressing new challenges and opportunities and encompassing recent advances in software testing methodologies, tools and automation frameworks, as well as their application to emerging computing scenarios. Topics of interest include test design and generation, verification and validation, fault injection, continuous integration and deployment testing, performance and stress testing, reliability assessment and formal methods, AI and machine learning for testing, testing of AI-based and safety-critical systems, benchmarking, reproducibility and empirical evaluations in industrial or open-source contexts.

Guest Editor

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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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