Software Engineering Seminar

Search-Based Techniques for Self-Adaptive Software

Description

Self-adaptive software has the capability to dynamically adapt its behavior in response to changes of its own state and environment so that it continuously satisfies its requirements (*cf.* [7]). To support the self-adaptation process, search-based techniques have been applied, e.g., to find optimal target configurations or adaptations.

The student should explore and discuss various applications of search-based techniques to self-adaptive software. Different approaches using search should be discussed and compared to each other.

References

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