Software Engineering Seminar

Human Studies in Debugging

Description

With more and more elaborate debugging techniques getting developed by researchers, one can pose the question whether these techniques are (or could be) actually successfully used by human developers. Many researchers often only evaluate their techniques empirically without actually doing any user studies (since this is expensive), so answering this question is usually non-trivial. Moreover, the whole human debugging process is very complex and is not even very well researched. For example, Böhme et al. [1] try to solve some of the existing issues.

The student should search for and examine human studies related to the debugging process, analyze and evaluate the employed techniques and discuss potential issues.

References


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