

EINLADUNG

Zeit: Donnerstag, 20. Sept. 2007, 16.30 Uhr

Ort: AH I, Ahornstr. 55

Referent: Dr. Wolfram Schulte,
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Titel: Systematic Unit Testing with Pex

Abstract:

Pex supports test-driven development. From parameterized unit tests, which define the requirements of the code to be developed, and the implementation to be analyzed, Pex automatically produces traditional unit tests cases with high code coverage. Moreover, when a generated test fails, Pex can often suggest a bug fix. To do so, Pex monitors test execution and records detailed traces. From those traces, Pex learns the program behavior. It uses a constraint solver to perform a systematic program analysis, and by changing constraints it produces new test cases with different behavior. In this seminar I will introduce PEX, discuss its foundation, its limitations and apply it on real code.

For information about Pex, see <http://research.microsoft.com/Pex/>.

(This is joint work with Nikolai Tillmann and Peli de Halleux.)

Es laden ein: Die Dozenten der Informatik