Technische Berichte

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Titel des Berichts: Schlussbericht AmbiComp: Software Entwicklung mit universell kombinierbaren Ambient Intelligence Komponenten

Abstract:
AmbiComp Software Entwicklung mit universell kombinierbaren Ambient Intelligence Komponenten aimed at combining software engineering for distributed systems with ambient intelligence research. The project developed various so called sandwich modules (SMs) with various sensor and communication interfaces. They can be combined easily to form a so called Ambient Intelligence Control Unit (AICU). An abstraction layer simplifies the programming of SMs and AICUs. On top of this layer the so called AmbiComp virtual machine (ACVM) serves as Java runtime environment. A Linux-Emulator and a compliance test suite guarantee the platform conformance. The AmbiComp Eclipse-Plugin supports the application developer. Additional teaching material and various demonstrators explain the AmbiComp approach. The project was presented at the CeBIT 2009.

Stichworte: Ambient Intelligence; Distributed Systems; Embedded Systems; Runtime Environment

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