

Einladung

zum Informatik-Kolloquium des
AB Programmiersprachen und Übersetzer am
Freitag, den 29. April 2011, um 15 Uhr c.t.
in der Bibliothek E185.1, Argentinierstr. 8, 4. Stock (Mitte)

Es spricht

Mason Chang, M.Sc.

University of California, Irvine, CA, USA

über

A Short History of Adobe Flash's JIT Compiler

The Tamarin virtual machine powers Adobe's Flash player. Tamarin's JIT compiler has gone through many experimental changes. First, we detail an implementation of a trace compiler within the context of an optionally typed language. Second, we experiment with using LLVM as a backend replacement, utilizing LLVM's optimizations to improve performance. This talk gives insight into JIT performance across fully typed, partially typed, and untyped code as well as what optimizations improve performance, which don't, and how we can continue to improve the performance of Flash applications.

Biography: Mason Chang is a PhD student at the University of California, Irvine and works on conjunction with Adobe Systems on the JIT compiler in Adobe Flash. His interests are related to JIT compilation, optional type systems, and virtual machines.

(<http://www.masonchang.com/>)

Zu diesem Vortrag lädt der *Arbeitsbereich für Programmiersprachen und Übersetzer am Institut für Computersprachen* herzlich ein.

Tee: 14:30 Uhr in der Bibliothek E185.1, Argentinierstr. 8, 4. Stock (Mitte).