computer
languages

Einladung

zum Informatik-Kolloquium des
AB Programmiersprachen und Übersetzer am
Montag, 20. September 2010, um 11 Uhr s.t.
in der Bibliothek E185.1, Argentinierstr. 8, 4. Stock (Mitte)

Es spricht
Doug Simon
Sun Labs, Oracle, Switzerland

über

What a meta-circular JVM buys you - and what not!

Since the open source release of the Maxine VM, it has progressed to the point where it can now run application servers such as Glassfish and WebLogic. With the recent addition of a new compiler that leverages the mature design behind the HotSpot client compiler (aka C1), the VM is on track to deliver performance approaching that of industrial, C++-based VMs with 100s of person years invested in their design and implementation. At the same time, its adoption by VM researchers and enthusiasts is increasing. That is, we believe the productivity advantages of system level programming in Java are being realized.

This talk will highlight and demonstrate the advantages of both the Maxine architecture and of meta-circular JVM development in general. It will also present the Maxine Inspector, a tool co-developed with the VM to provide a powerful debugger and browser for the VM.

Biography: Doug Simon is a Principle Member of Technical Staff at Oracle working in Sun Labs and is currently leading the Maxine project, an open source Virtual Machine for the JavaTM platform written in Java. Prior to Maxine, Doug co-developed Squawk, a CLDC compliant JVM implemented also in Java. His first project at the labs was investigating secure, fine-grained dynamic provisioning of applications on small devices. Once again, this work was in the context of a VM, this time a modified version of the KVM, which was the last non-Java-in-Java VM Doug hacked on! Doug obtained a Bachelors in Information Technology from the University of Queensland in 1997, graduating with first class honors.
(`http://labs.oracle.com/people/mybio.php?c=610`)

Zu diesem Vortrag lädt der *Arbeitsbereich für Programmiersprachen und Übersetzer am Institut für Computersprachen* herzlich ein.
Tee: 10:30 Uhr in der Bibliothek E185.1, Argentinierstr. 8, 4. Stock (Mitte).