

## Fachbereich Computerwissenschaften

### EINLADUNG

zum Gastvortrag am

Freitag, 26. Nov. 2010,

15:15 Uhr, T01

Institutsgebäude Jakob-Haringer-Str. 2, Itzling

von

**Doug Simon**

*Sun Microsystems Laboratories*

zum Thema:

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

#### Abstract:

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 on par with the HotSpot client compiler and better. 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.

#### Bio:

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 Java™ 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> )

Host: Univ.-Prof. Dr. Christoph Kirsch