Informatik-Kolloquium

Rheinisch-Westfälische Technische Hochschule Aachen
Lehr- und Forschungsgebiet Informatik II

RWTH

EINLADUNG

Zeit: Dienstag, 29. Mai 2001, 10.00 Uhr

Ort: Raum AH III, Ahornstr.55

Referent: Dr. Thomas Arts, Ericsson, Computer Science Laboratory, Stockholm, Sweden

Thema: Industrial Use of a Functional Language

Abstract:

Erlang is a functional programming language for programming concurrent and distributed systems developed by Ericsson. The development of Erlang started in the eighties as an investigation into whether modern declarative programming paradigms could be used for programming large industrial telecommunication switching systems. The resulting language, Erlang, turned out to be suitable for programming telecommunication systems as well as for a wide range of industrial embedded real-time control problems.

In this talk I briefly present the language Erlang and its use in telecommunication applications. The packet based GSM network, known as GPRS, which has recently been installed in Germany has control software written in Erlang, which has for a large part been developed in Ericsson's offices in Aachen (Herzogenrath). The backbone of the new third generation mobile network will be based on ATM switches, whose control software is written in Erlang. Given that fact, soon it is virtually impossible to make a phone call in Aachen without executing a few lines of Erlang code, somewhere in the network. In my presentation I hope to show a little of the flavour of the language, additional information can be found at http://www.erlang.org.

Es laden ein: Die Dozenten der Informatik