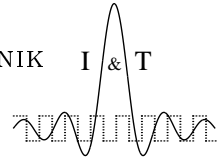


Fachhochschule Wiesbaden

FACHBEREICH INFORMATIONSTECHNOLOGIE UND ELEKTROTECHNIK I & T

FACHGEBIET INFORMATIONSTECHNIK & TELEKOMMUNIKATION

Prof. Dr.–Ing. K.H. Hofmann



1. Juni 2004

Vortragsankündigung

Am **Freitag, dem 25. Juni 2004**, 14⁰⁰ Uhr, findet im **M-Lab** (Raum 406, 4. Stock, Gebäude A1 Nord), folgender Vortrag statt.

System Simulation for Embedded Microcontrollers

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Abstract:

Development cycles for automotive applications today take typically three years from the first specification to the start of production. A significant amount of time is needed after the availability of the first silicon of the embedded Microcontroller to develop the peripheral drivers, operating systems and basic system functions before the application software development can be started. In order to shorten the development time a simulation of the complete system can be used to validate the peripheral drivers prior to the availability of the first silicon. This reduces the total development time by more than 6 months, which is a significant portion of the three years development cycle.

Based on the example of the TMS470 Microcontroller the presentation discusses the requirements for the system simulation. It gives insight into the practical experience of using such a system in order to develop software prior to the availability of silicon, concludes with lessons learned and discusses the future of embedded software development and system simulation.

Die Dauer des Vortrags beträgt ca. 60 Minuten, bei reger Diskussion etwas länger. Der Vortrag ist öffentlich und alle Interessenten sind dazu herzlich eingeladen.

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