

Deutscher Akademischer Austausch Dienst German Academic Exchange Service

DAAD project

Embedded System Design

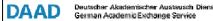
12/04/2011

AGENDA

DAAD Meeting "Embedded System Design" Nis, Serbia 10 Mai 2011

Program

| Time | Content | Speaker/Contributor |
|-------------|---|--|
| 9:00-9:15 | Welcome, Agenda introduction, Introduction to ELFAK | Prof. M. Stojcev, ELFAK |
| 9:15-10:00 | DAAD Project "Embedded System Design" - current state, plan for 2011 and beyond | Dr. Milos Krstic, IHP |
| 10:00-10:30 | Overview of the existing cooperation and possibilities for the future, perspectives/plans for the joint PhD/Master supervision and collaborative projects | Prof. R. Kraemer, IHP |
| 10:30-11:00 | Round tour through ELFAK labs | Prof. Mile Stojcev, all |
| 11:00-11:15 | Coffee Break | All |
| 11:15-11:30 | FEEIT outlook to the existing cooperation and possibilities for the future in respect to the common PhD/Master supervision and collaborative projects | Prof. J.Kjosev, FEEIT |
| 11:30-11:45 | ELFAK outlook to the existing cooperation and possibilities for the future in respect to the common PhD/Master supervision and collaborative projects | Prof. M. Stojcev, ELFAK |
| 11:45-12:00 | ETF outlook to the existing cooperation and possibilities for the future in respect to the common PhD/Master supervision and collaborative projects | Doc. Slobodan Lubura, ETF |
| 12:00-12:30 | Discussion, future plans, wrap-up | All |
| 12:30-12:45 | IP Protection in DAAD Project | Dr. M. Krstic, IHP |
| 12:45-13:00 | Coffee Break | all |
| 13:00-14:00 | Lecture Prof. Rolf Kraemer "OMEGA I-MAC: A Protocol Architecture for Heterogeneous high speed Home Networks" | open for visitors outside of the project team |
| 14:00-22:00 | Lunch, Sightseeing, and possibly Dinner | all |



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OMEGA I-MAC: A Protocol Architecture for Heterogeneous high speed Home Networks

The talk will outline the current state of home networks and the problems involved with different communication technologies. Especially the use of wireless communication only results in problems both with respect to QoS and coverage. So the I-Mac approach was chosen within the FP7 project OMEGA. I-Mac unifies the network topology view and allows the simple configuration of heterogeneous networks with seamless handover between the different technologies. It has been implemented and tested within a complex demonstrator up to a speed of almost 1Gb/s. Within this talk the architecture and the different engines are shortly described. The demonstrator scenario will be shown as well as the measurements that describe expected behaviour in terms of additional latency for multihop.

Rolf Kraemer received the diploma and the Dr.-Ing. degrees from the computer science department of the RWTH-Aachen in Germany. He has worked for 15 years in research and development of communication and multi-media systems at Philips-Research in Hamburg and Aachen. Since 1998 he is Professor of Systems at the IHP in Frankfurt and TU-Cottbus. He leads the systems research department of the IHP where his research focus is on wireless Internet systems from application to systems on chip. He is co-founder of the startup-company lesswire AG.