Agenda FP7 MULTI-BASE – Workshop

Title: **FP7 project "MULTI-BASE" (Scalable Multi-tasking Baseband for Mobile Communications): achievements and impact**

Location: ESSCIRC 2010 Workshop in Seville – Spain
Room: not yet known
Date: September 17th 2010
Time: Workshop 09:00 – 12:15

September 17th 2010 @ ESCIRC Seville Spain			
From	**To**	**Topic**	**Speaker**
09:00	09:15	Introduction to the MULTI-BASE EC project	Franz Dielacher (Infineon)
09:15	09:45	„Trends in wireless systems and standards asking for multi-mode multi-stream radios"	Jonathan Borremans (IMEC)
09:45	10:15	Multistandard digital receiver frontend	Viktor Öwall (Lund-University)
10:15	10:45	Coffee break	
10:45	11:15	Multistandard digital transmitter frontend	Wim Dehaene (KU-Leuven)
11:15	11:45	Reconfigurable baseband platform	Andreas Ehliar (Linkoeping-University)
11:45	12:15	Multistandard algorithm	Ove Edfors (Lund-University)
12:15	13:30	Lunch	

FP7 project MULTI-BASE description:

In order to strengthen Europe's leading position in high-speed, end-to-end, mobile network systems technology, the MULTI-BASE consortium has identified three main areas where research will have a major impact on the advancement of state-of-the-art technology and the emergence of a sound competitive and innovative environment for the European communications and services industry:

- multi-tasking radio
- scalable and reconfigurable multi processor technology
- algorithm/architecture co-design for maximum energy efficiency.

The MULTI-BASE project objectives target the elimination of key technical and commercial barriers to ubiquitous broadband access by enabling efficient and sustainable disposition of operation and production factors as spectrum, power engineering cost and silicon process technology. Drawing on project research in these three areas, the MULTI-BASE consortium will demonstrate new handset baseband architectures that enable end-to-end interconnection of humans and devices, with ability to support tenfold scaling in the number of interoperating connectivity links at the same cost and power consumption as today's technology.