

EU research project WINNER

New radio technologies for better mobile services

In January 2004, a large EU research project started, which will make mobile communication systems more adaptable to user needs. Under the name WINNER, which stands for Wireless World Initiative New Radio, a consortium of 38 partners co-ordinated by Siemens are working towards enhancing the performance of mobile communication systems. The improvements of radio transmission to be explored by WINNER are crucial for enabling new mobile services and applications anytime and anywhere.

WINNER aims to stimulate a technological leap towards more convenient and user-oriented mobile services around the world. The project aims to develop a ubiquitous radio system concept based on global requirements for mobile communication systems beyond 3G. The project covers a full scope from short-range to wide-area scenarios and will provide a significant improvement to current systems in terms of performance, efficiency, coverage and flexibility.

The concept is based on common radio interface technology that adapts to user needs and scenarios by utilising advanced and flexible network topologies, physical layer technologies and frequency sharing methods.

WINNER is co-funded by the European Commission as an Integrated Project under the Sixth Framework Programme for research and development (FP6), which provides an important platform for pre-competitive R&D and future standardisation. WINNER is part of the Wireless World Initiative (WWI), an industry consortium, acting as an umbrella organisation for several co-operating Integrated Projects in the research area of mobile communications. WWI projects support international harmonisation and consensus building process and for that purpose WINNER will establish relations with international research and standards bodies.

A total of more than 80 person years per year will be dedicated to the WINNER project. The consortium includes manufacturers, network operators, academic institutions and research centres, mainly from Europe, but also from Asia and North America.

Further information is available at: <http://www.ist-winner.org/>

Contact person:
Dr. Werner Mohr
Siemens AG
Tel. +49 89 636 75117
FAX. +49 89 636 75121
Email: werner-mohr@siemens.com

Ludwig Hiebinger
Siemens AG
Tel. +49 89 636 75213
FAX: +49 89 636 75121
Email: ludwig.hiebinger@siemens.com