



## Hybrinet@Skellefteå

The Hybrinet@Skellefteå project was started in March 2006 by Skellefteå Kraft and Luleå University of Technology. The project is exploring challenges and opportunities with hybrid access networks forming a heterogeneous networking environment.

The project will set up a test environment where a number of wired and wireless access networks are combined. Applications like VoIP (voice over IP), video conferencing, and networked games will be tested in the test environment. Seamless mobility for roaming users in a multi access network environment is the high-level goal.

An IP overlay network will be the basis for handling mobility management. Extensions to Mobile IP will be explored and developed. Cross-layer designed solutions will also be considered. A prototype will be developed and evaluated in the test environment.

Finally, simulation models, implemented in a commercial network simulator, will also be developed and compared to real-live evaluations.

The project will run over four years and be concluded in 2010 and build on results from earlier projects including the Mobile City project. New partners are welcome and the project will be extended to new areas the coming years.