

<u>Name</u>	<u>Organisation</u>	<u>Project title</u>	<u>Decision No.</u>	<u>Decision date</u>	<u>Funding period</u>	<u>Funding</u>
Juntti, Markku	OY	Beamforming and Radio Resource Management in Co-Operative Wireless Networks	127965	15.09.2008	01.01.2009 - 31.12.2012	440 000

Project description

The project considers opportunistic co-operative wireless networks. Particular emphasis is on linear beamforming and radio resource management theory, analysis and solutions. Both base station or infrastructure and user co-operation are considered. The objectives of the project include achieving deep theoretical understanding on the capacity of the co-operative wireless cellular networks, linear transmit/receive beamforming design and optimization, estimates of transceiver complexity, and design guidelines of heterogeneous wireless networks based on the co-operation paradigm.