

DFG priority program

Adaptability in heterogeneous communication networks with wireless access

Coordinator:

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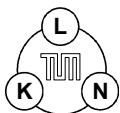
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Goals

- Work on fundamentals, concepts, and methods for the design and operation of communication networks with wireless access that will have an extensive **adaptability in its functions**.
- **Adaptability** in all system levels and components:
 - wireless transmission
 - communication protocols
 - network organization
 - network management
 - services and service control
 - modeling
 - planning
 - signal processing



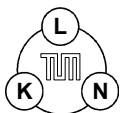
Working Areas and Funding

Working Areas:

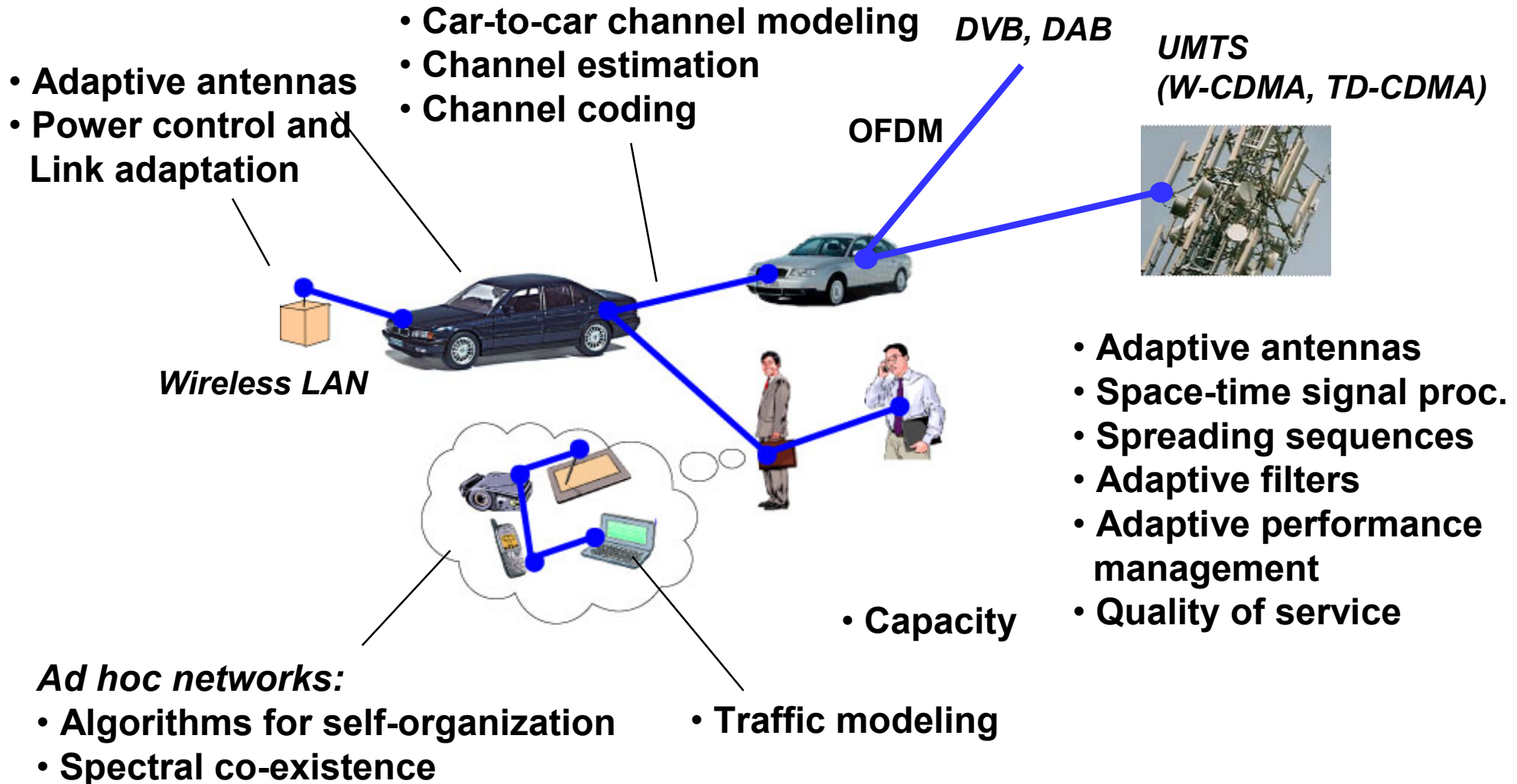
- Components and systems (e.g. adaptive antennas)
- Network architectures and concepts (e.g. self-organization in wireless ad hoc networks)
- Services (e.g. adaptive QoS management)
- Methods and tools for network and system planning

DFG Funding:

- Duration: 6 years, started in mid 2000
- Funding: 1.7 Million Euro per year
- Projects: currently 22 projects, typical duration 3 years each



Example Scenario and Current Projects



Sources of pictures: BMW, Audi, Microsoft, Ericsson

