Background and Motivation

- Domestic Service Robotics research, RoboCup@home [5] as a testbed
- Spoken language is probably the most natural way of interaction
- Reliability and flexibility needed to enable use of a robot by laymen

Two efforts to make robot functions conveniently available via natural language

RoISPER: robustness of speech recognition at the signal processing level [3]

FlexiCON: increase flexibility in interpreting natural language commands [7, 8]