

## Robotics, AI, and Cognitive Systems

Cognitive capabilities such as perception, reasoning, learning, and planning turn technical systems into systems that "know what they are doing". Starting from the human brain this track investigates cognition for technical and general cognitive systems. In line with the general E-CAP conference theme - computing and philosophy - this track is open to contributions from all disciplines, but has a particular focus on robotics, artificial intelligence, ambient intelligence and especially on cognitive ((semi-)autonomous) systems.

Possible topics include (but are by no means limited to):

- The role of artificial intelligence in ambient intelligence
- The role of ambient intelligence in robotics
- Semantics and knowledge representation for embodied agents
- Phenomenology, tacit and implicit knowledge
- Individualization of knowledge in ambient intelligence and robotics
- Human interactions with robots
- Explanation generation and ambient intelligence
- Applications of ambient intelligence
- Capabilities vs. abilities
- Epistemology and ambient intelligence / robotics