Project description

Cognitive Systems and Robotics

Targeting both assembly and service industry, the DARWIN project aims to develop an "acting, learning and reasoning" assembler robot that will ultimately be capable of assembling complex objects from its constituent parts. First steps will also be taken to explore the general reparation problem. Functionally the robotic artefact will operate in three modes: slave, semi-autonomous, fully autonomous mode. Categorization, object affordances, accurate manipulation and discovery of the naive physics will be acquired by the robot.
A reasoning system will exploit all these experiences in order to allow the robot to go beyond experience when confronted with novel situations.

**Fields of science**

- social sciences
- educational sciences
- didactics

**Programme(s)**

- FP7-ICT - Specific Programme "Cooperation": Information and communication technologies

**Topic(s)**

- ICT-2009.2.1 - Cognitive Systems and Robotics

**Call for proposal**

- FP7-ICT-2009-6

  See other projects for this call

**Funding Scheme**

- CP - Collaborative project (generic)

**Coordinator**

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  - Activity type
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