ROBotic Open-architecture Technology for
Cognition, Understanding, and Behavior

Project No. 004370

RobotCub

Development of a Cognitive Humanoid Cub

Instrument: Integrated Project
Thematic Priority: IST – Cognitive Systems

D5.7

Software implementation for the iCub & integration in the

iCub Cognitive Architecture.

Due Date: Month 42
Submission date: Month 42

Start date of project: **01/09/2004**   Duration: **60 months**

Organisation name of lead contractor for this deliverable: EPFL

Responsible Person: Aude Billard

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Dissemination Level		
PU	Public	PU
PP	Restricted to other programme participants (including the Commission Service)	
RE	Restricted to a group specified by the consortium (including the Commission Service)	
CO	Confidential, only for members of the consortium (including the Commission Service)	

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1   Introduction

This deliverable item is the implementation of the imitation behaviours as described in the previous Deliverables 5.1-5.6 into the iCub and in particular the integration of this software in the Cognitive Architecture.

2   iCub cognitive architecture version 1.0

The iCub cognitive architecture manual is available from:
http://eris.liralab.it/iCub/dox/html/group__icub__applications.html

Each application listed at this documentation page is built following the iCub standards and include:
- A set of Yarp modules, each with specific documentation that can be found at: http://eris.liralab.it/iCub/dox/html/group__icub__module.html
- A set of scripts (bash) that can instantiate, terminate, and control the behaviour realized by the set of modules
- Further documentation, paper references, class documentation, etc.

3   Entry point

This document is only a placeholder. The actual deliverable is the software and its documentation.

Videos of the experiments running on the iCub are available from:
http://eris.liralab.it/wiki/Deliverable_2.2

and, in particular, scroll the page down to the section titled "Affordances" and "Body schema". Papers describing the experiment are available for download.