



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

D4.2

**Software implementation for the iCub & integration in the
iCub Cognitive Architecture.**

Due Date: Month 65
Submission date: Month 65

Start date of project: **01/09/2004**

Duration: **65 months**

Organisation name of lead contractor for this deliverable: DIST, University of Genova

Responsible Person: Giorgio Metta

Revision: **2.0**

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
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)	



Table of Contents

1	Introduction.....	3
2	iCub cognitive architecture version 2.0.....	3
3	Entry point	3



1 Introduction

This deliverable item is the implementation of the affordant behaviours as described in the Deliverable 4.1 into the iCub and in particular the integration of this software in the Cognitive Architecture.

2 iCub cognitive architecture version 2.0

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;
- XML files are used to 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_v2

and, in particular, scroll the page down to the section titled “Affordances: reaching, grasping and imitation”. A paper describing the experiment is available for download. Further details are available on the progress report deliverable (also linked to the D2.2 above).