

The TACO project - a brief overview

The TACO project was conceived by a group of researchers active in the field of robotics. More specifically, they had an interest in further developing service robots and their functionalities thereby allowing them to fulfill more sophisticated tasks in areas such as cleaning, construction, maintenance, security, health care, entertainment and personal assistance. A novel 3D sensor would therefore be custom-built for this purpose.

This factsheet outlines all the public information available to date within TACO in a brief list containing short descriptions of each item. Further information on the project and its public content is available on the TACO website: www.taco-project.eu.

Public Deliverables: Period 1

D6.1: Project Website

This deliverable contains a brief description of the project website and additional communication tools. The aim of the website is to facilitate collaboration work among the members of the project consortium.

http://www.taco-project.eu/downloads/TACO_D6.1_Project_website.pdf

D6.2: Project Dissemination Plan

D6.2 provides an overview of the dissemination activities planned for the TACO project. A description of the dissemination strategy as well as the actual events and activities carried out by the partners are included as well.

http://www.taco-project.eu/downloads/TACO_D6.2_Project_Dissemination_Plan.pdf

D7.1: Project IT Communication Infrastructure

D7.1 briefly describes the tools provided within the IT infrastructure to facilitate cooperation and coordination. This essentially comprises a public website and internal area; a file versioning server (subversion server); a chat server (Jabber); and a mailing list server.

http://www.taco-project.eu/downloads/TACO_D7.1_Project_internal_IT_communication_infrastructure.pdf

1st periodic report of the TACO project - Publishable summary

This summary is the public part of the 1st periodic report, which outlines all activities carried out, deliverables submitted and milestones reached in the first period of the project.

http://www.taco-project.eu/downloads/TACO_248623_Part02_Publishable-Summary_Update.pdf

TACO at a glance

Project number:
248623

TACO mission:

- Enhance the abilities of service robots by improving sensing system with real 3D foveation properties.
- Develop a 3-dimensional sensing system with real 3D foveation properties to increase ability for service-robot interaction with everyday environment in a more natural and human-like manner.

Project start:
01.02.2010

Project end:
31.07.2013

Project duration:
42 months

Total costs:
EUR 4.791.385

EC contribution:
EUR 3.572.000

Consortium:
7 partners from 4 different countries.

Project Coordinator:
Dr. Klaus-Michael Koch
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Technical Leader:
Jens Thielemann

Project website:
www.taco-project.eu



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Public Deliverables: Period 2

D1.2: Roadmap and Final Requirements Specification

D1.2 comprises a technology roadmap with three major uses: helping to reach a consensus about a set of specifications and the technologies required to satisfy the user's needs; providing a mechanism to help forecast technology developments; and providing a framework to help plan and coordinate future technology development.

http://www.taco-project.eu/downloads/TACO-D1%202_Roadmap-and-final-requirements-specification_FINAL.pdf

2nd periodic report of the TACO project - Publishable summary

Summary of all activities carried out, deliverables submitted and milestones reached in the second period of the project.

http://www.taco-project.eu/downloads/TACO_Part02_Publishable_Summary.pdf

Public Deliverables: Period 3

The following deliverables, due in Period 3, have not yet been approved. They will therefore only be made available after the final review meeting with the EC in September 2013:

D4.4: Final Revision features, salience and control loop

D5.1: Detailed test case description and test plan for sensor

D5.2: Final test report

3rd periodic report of the TACO project - Publishable summary

Newsletters

In addition to the deliverables listed above, two newsletters were also prepared and disseminated amongst EC officers and project reviewers. They can be downloaded from the TACO website.

TACO newsletter - July 2011 issue

The topics addressed in this issue include: foveation; making service robots smarter; and 3D accuracy in the millimeter range.

http://www.taco-project.eu/downloads/Taco_Newsletter_072011_RZ_mail.pdf

TACO newsletter - August 2012 issue

This issue focuses on: object-based attention; and synchronised micro-scanning unit.

http://www.taco-project.eu/downloads/Taco_Newsletter_Aug_2012.pdf

TACO newsletter - June 2013 issue

The 3rd and final issue is already in preparation phase and will be made available on the TACO website as well. The 3D sensor will be the main focus of this issue.

Official TACO Promotion Video

This video, which was released in July 2011, was created for the purpose of promoting the TACO project. It is available on the TACO website.

<http://youtu.be/fqKfcb6iQvg>