DEXterous and autonomous dual-arm/hand robotic manipulation with sMART sensory-motor skills: A bridge from natural to artificial cognition

Fact Sheet

Project Information

**DEXMART**

Grant agreement ID: 216239

Project website

Status
Closed project

Funded under
FP7-ICT

Overall budget
€ 8 124 253

EU contribution
€ 6 300 000

Coordinated by
UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II
Italy

Start date
1 February 2008

End date
31 January 2012

Project description

Cognitive Systems, Interaction, Robotics

Dual-arm robot including two multi-fingered redundant hands to grasp and manipulate the same objects used by human beings

The DEXMART project is focused on artificial systems reproducing human skills, which operate in unstructured real-world environments. The goal is to allow a dual-arm robot including two multi-fingered redundant hands to grasp and
**Field of science**

/Engineering and technology/electrical engineering, electronic engineering, information engineering/electronic engineering/robotics

**Programme(s)**

**Topic(s)**

**Call for proposal**

FP7-ICT-2007-1
Funding Scheme
CP - Collaborative project (generic)

Coordinator Contact
Bruno Siciliano (Prof)

Coordinator
UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II
Address
Corso Umberto I, 40
80138 Napoli
Italy
Activity type
Higher or Secondary Education Establishments
EU contribution
€ 797 800
Website
Contact the organisation
Administrative Contact
Bruno Siciliano (Prof.)

Participants (8)

FZI FORSCHUNGZENTRUM INFORMATIK
Germany
EU contribution
€ 1 228 541
Address
Haid Und Neu Strasse 10-14
76131 Karlsruhe
Activity type
Research Organisations
Website
Contact the organisation
Administrative Contact
Michael Flor (Dipl.)

UNIVERSITAT DES SAARLANDES
Germany
EU contribution
€ 819 227
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<th>Activity type</th>
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<td><strong>Campus</strong> 66123 Saarbrucken</td>
<td>Higher or Secondary Education Establishments</td>
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<td><strong>Website</strong></td>
<td>Contact the organisation</td>
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Admin. Contact: Corinna Hahn (Ms)

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**DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV**

Germany

€ 1 160 100

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<td><strong>Linder Hohe</strong> 51147 Köln</td>
<td>Research Organisations</td>
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<td><strong>Website</strong></td>
<td>Contact the organisation</td>
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Admin. Contact: Nicole Laqua-Feller (Ms)

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**CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS**

France

€ 514 096

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<tr>
<td><strong>Rue Michel Ange 3</strong> 75794 Paris</td>
<td>Research Organisations</td>
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<td><strong>Website</strong></td>
<td>Contact the organisation</td>
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Admin. Contact: ARMELLE BARELLI (Ms)

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**UNIVERSITA DEGLI STUDI DELLA CAMPANIA LUIGI VANVITELLI**

Italy

€ 695 600

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<td><strong>Viale Abramo Lincoln 5</strong> 81100 Caserta</td>
<td>Higher or Secondary Education Establishments</td>
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<td><strong>Website</strong></td>
<td>Contact the organisation</td>
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Admin. Contact:
ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA
Italy
EU contribution
€ 593 977
Address
Via Zamboni 33
40126 Bologna
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
Alessandra Villa (Dr.)

OMG PLC
United Kingdom
EU contribution
€ 490 659
Address
Minns Business Park, West Way 14
OX2 0JB Oxford
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Contact the organisation
Administrative Contact
Andrew Stoddart (Dr.)

UNIVERSITE PAUL SABATIER TOULOUSE III
France
EU contribution
€ 0
Address
Route De Narbonne 118
31062 Toulouse Cedex 9
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation