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Whole-Body Compliant Dynamical Contacts in Cognitive Humanoids

D7.1
Dissemination and exploitation plan.

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Abstract	In this document we provide a comprehensive exploitation plan
Keyword List:	Exploitation, results, transfer, intellectual properties, promotion.

Document Revision History

Version	Date	Description	Author
First draft	19 Feb 2014	This version mainly contains the information that was collected via email from the partners. Partners provided IIT with details on their technological transfer facilities.	Francesco Nori

Table of Contents

1 Introduction

2 Executive Summary

3 Technological transfer facilities

In this section we describe the technological transfer facilities per each of the CoDyCo partners. We discuss in particular relevant information such as number of people involved in the facilities, a brief description of the activities and a tentative list of companies which collaborate with the institution.

3.1 The IIT technological transfer facility

3.1.1 Name of the office for tech transfer (or the person in charge)

3.1.2 Number of people involved in the activity (possibly with contact details)

3.1.3 Rough estimate of the amount of projects managed by the office (e.g. patents, spin-off, etc.)

3.1.4 Brief description of the activities of the tech transfer office

3.1.5 Initiatives of the tech transfer office: competitions, awards, etc.

3.1.6 List of companies which collaborate with your institution

3.2 The TUD technological transfer facility

3.2.1 Name of the office for tech transfer

Tech transfer services are provided by two units at TU Darmstadt:

- Tech Transfer Office (Referat VI E: Transfer), headed by Dr. Annette Miller-Suermann.
- Industry Liaison Office (Referat VI B: Kooperationen), headed by Dr.-Ing. Nicolas Repp.

3.2.2 Number of people involved in the activity

- Tech Transfer Office: 7 members of staff, including HIGEHST (Home of Innovation, Growth, Entrepreneurship and Technology Management)
- Industry Liaison Office : 5 members of staff Contact details can be found here: `http://www.intern.tu-darmstadt.de/dez_vi/ansprechpartnerinnen/ansprechpartner.de.jsp`

3.2.3 Rough estimate of the amount of projects managed by the office

Patents	2010	2011	2012	2013
Invention disclosures	72	87	68	73
Patent applications	33	39	45	18
Currently active property rights (national)	46	67	79	88
Currently active property rights (international)	37	43	79	94
Total amount	83	110	158	182

Spin-offs:

- From 2010 to 2012: 29 spin-offs founded.
- Since 2013: 12 spin-offs founded.
- In 2013 more than 166 prospective entrepreneurs got initial advice by the Tech Transfer Office / HIGHEST.

Examples of TU Darmstadt spin-offs can be found here: `http://www.highest.tu-darmstadt.de/highest/gruendungsbeispiele/index.de.jsp`

3.2.4 Brief description of the activities of the tech transfer office

- Tech Transfer Office: information, advice and support for the following topics: IP management, commercialization of research results, entrepreneurship (HIGHEST).
- Industry Liaison Office : information, advice and support w.r.t. industry liaison topics (e.g. matchmaking, first level contractual advice), management of private public partnerships on a strategic level, key account management for industry partners, organization of trade fair participations.

3.2.5 Initiatives of the tech transfer office

The Tech Transfer Office / HIGHEST is organizing an annual ideas competition (TU Darmstadt Ideenwettbewerb) for students as well as members of staff.

3.2.6 List of companies which collaborate with the institution

TU Darmstadt is collaborating with a wide range of companies of all sizes. On a strategic level, the following companies are strongly connected to TU Darmstadt (e.g.in form of joint research labs or strategic partnerships):

- Deutsche Bahn
- Continental
- Merck
- Intel

- SAP

Unfortunately, we cannot provide a full list of our collaborations due to nondisclosure agreements with our partners.

3.3 The UPMC technological transfer facility

3.3.1 Name of the office for tech transfer

SATT LUTECH

3.3.2 Number of people involved in the activity

Research potential: more than 7,500 FTE (Full-time equivalent) scientists and research staff. A potential equivalent to UC Berkeley, Univ. Wisconsin or UCL.

3.3.3 Brief description of the activities of the tech transfer office

About SATT LUTECH : SATT LUTECH is a privately owned company specialized in transfer and commercialization of innovative technologies. The company was created by Universit Pierre et Marie Curie, CNRS, Universit de Technologie de Compigne, Musum national dHistoire naturelle, INSEAD, Universit Panthon-Assas, Ecole Nationale Suprieure de design et de Cration Industrielle and the Caisse des Dpts group which is a "public group serving general interest and economic development". SATT LUTECH was created on January 31, 2012. Following its successful bid in the French governments Investing in the Future program, SATT LUTECH was awarded 20 million euros for its first three years of operations, and will amount 73 million euros over ten years. SATT LUTECHs role is to focus on the transfer and commercialization of technologies issued from the research laboratories of its shareholders.

SATT LUTECH covers three main activities:

- Detection of research results developed in its shareholders laboratories which could lead to commercial innovations.
- Investment in the development of research results and demonstration of their potential through pilot projects, on a scale and under conditions that will create interest of companies and / or investors.
- Commercialization of matured technologies to an existing company or through the creation of a start-up.

SATT LUTECH invests in the following areas:

- Health
- Information technology and communication
- Chemistry - Materials Processes
- Environment and Energy

3.3.4 Initiatives of the tech transfer office

Success stories in Medical/Pharmaceutical:

- HIV Detection Kit: extensive licensing, revenues currently at 800 k/year
- Cellectis: publically listed, 2010 expected turnover: 24.7 M (+100%)
- CARMAT: publically listed, founded in 2008, and 40 M invested
- Supersonic Imagine: founded in 2005, 61,5 M invested
- Fovea: acquired by Sanofi for 370 M

Information Technology

- Qosmos: founded in 2000, turnover in 2010 was 9.3 Ma 40% increase from 2009, and ten times the turnover in 2005
- Sensitive Objects: acquired by Tyco in 2010 for 44 M2

3.3.5 LUTECH Research Potential

Cutting-Edge Researchers

- 5 Fields Medal laureates
- 44 European Research Council Grants
- More than 60 members of the French Academy of Science

Broad Range of Disciplines organised in 5 themes:

- Computer Science, Mathematics, Engineering
- Material Sciences
- Environment and Earth Science
- Life and Health Sciences
- Arts, Humanities, Social and Organisation Sciences

3.3.6 List of companies which collaborate with the institution

- Shareholders :
- CNRS
- INSEAD
- Universit Pierre et Marie Curie

- Universit Panthon-Assas
- Universit de Technologie de Compigne
- Caisse des Dpts et Consignations
- Museum national dHistoire naturelle
- Les Ateliers-Paris Design Institute (cole Nationale Suprieure de Cration Industrielle)

3.4 The JSI technological transfer facility

3.4.1 Name of the office for tech transfer

Center for Tehnology Transfer and Innovation, Joef Stefan Institute, Ljubljana. Head of unit: dr. pela Stres, LLM, patent attorney

3.4.2 Number of people involved in the activity

11 (dr. Spela Stres, dr. Levin Pal, dr. Marija Nika Lovin, dr. Urban Odi, mag. Robert Blatnik, mag. Marjeta Trobec, France Podobnik, Urban egedin, Alen Draganovi, Lea Kane, Miha Goriup), contact details available: `http://tehnologije.ijs.si/ttwiki/en/Workers`

3.4.3 Brief description of the activities of the tech transfer office

The Centre for technology and innovation (CTT) at the "Jozef Stefan" Institute operates as an independent centre within the Institute since 2010. The JSI is the largest Slovenian institute for research in science, engineering sciences and environmental sciences. Their mission is to connect science with the society: science with business and science with education. They assist in organizing and carrying out contract research and other collaborations with industry, licensing and spin-offing and at individual technology projects of the Institute.

3.5 The UB technological transfer facility