



FP6-507728

EURON

European Robotics Network

Network of Excellence

Information Society Technologies

DR.16.2

Draft of implementation plan for portal

Due date of deliverable: 31/7/2004

Actual submission date: 15/6/2005

Start date of project: May 1st, 2004

Duration: 48 months

Organisation name of lead contractor for this deliverable:

GPS

Revision: V1

Dissemination Level: PU

EURON Deliverable DR.16.2

Implementation plan for a revised portal Robotics in Europe

Analysis of current

An analysis of the existing "Robotics in Europe" portal yielded the following major problems and deficiencies:

- The current user interface is too cumbersome and not user-friendly. This may have significantly reduced the acceptance of "Robotics in Europe"
- Current structure and content is too much geared toward academia and not "industry friendly" enough.
- The review process is not efficient
- Competence index was well accepted.

Conclusions

- Basic idea of a competence portal with a indexing of competencies should be retained
- Current GUI needs to be replaced by a more user-friendly one
- Description of competencies must not be too restrictive
- Review process needs to be greatly simplified.

Proposed implementation plan:

0. Design of a new user-friendly GUI, which facilitates entering competence profiles (indexable but more or less free style description of competencies). Draft is finished (see appendix). Discussion and approval by board is pending.
1. Implementation of GUI and integration (particularly indexing function) into existing "Robotics in Europe" portal (T12+3)
2. Trial with a handful selected EURON members (T12+6)
3. Create an account and default entry (with contact information) for each EURON member and Call for participation to EURON Mailing list (T12+9)
4. On a regular base (every six months) go through the entries and check for and ask for correction of "abnormalities" (whatever they may be) (T12+k*6, k = 2,3, ...)
5. Send a (regular) reminder to those EURON members who do not complete/update their entries (T12+k*6, k = 2,3, ...)

Estimated personnel effort: 3PM

Remarks:

The implementation and estimated personnel effort does not include the completion of profiles of reluctant members, who do not want to contribute to Robotics in Europe.

Appendix

- A. Template for entering profiles into Robotics in Europe
- B. Model Entry

Logo

Browse...

width= max. 200px - height= max.200px

Institution

Dept.

Contact

Address

Phone

Fax

WWW

Pictures

width= max. 100px

Browse...

Subtitle 1

Browse...

Subtitle 2

Browse...

Subtitle 3

Introduction

Application areas / Activities

Projects / Products

Submit Profile



Institution GPS GmbH
Dept. Neobotix
Contact Dr.-Ing. Oliver Barth
Address Nobelstr. 12, 70569 Stuttgart, Germany
Phone +49 711 68 70 31 - 51
Fax +49 711 68 70 31 - 55
WWW <http://www.neobotix.de>



RobotGuard

Introduction

Neobotix combines mobile robotics, robot arms, sensors and software into a highly functional unity representing the new generation of robot systems.
 The combination of mobility and operation activities enables a fully automated management of industrial tasks, e.g. transportation of components in mechanical engineering or transportation of probes in biotechnology.
 In addition, our mobile platform with a robot arm can be used for the quick and reliable management of service tasks in the human living environment.

Application areas / Activities

- Research
 Neobotix platforms are being used in many research projects. In addition to that, Neobotix is actively involved with the Assistor project.
- Entertainment
 On October 16, 2003, two new exhibition robots were put into action at Opel in Berlin. Moving autonomously in the exposition halls during the opening hours, the robots entertain and inform visitors.
- Industry
 The goal of Neobotix is to develop a mobile platform with a manipulator arm for industrial transportation tasks. The system is based on a reliable mobile platform MP-L655 that enables flexible.
- Components
 Neobotix offers a wide range of components for mobile robot applications.
- Software
 Neobotix mobile platforms run with the Neobotix platform control software.

Projects/Products

- MP-L655 is a large autonomous multi-purpose robot platform, which is able to carry various robot arms.
- MP-M470 is a middle-sized autonomous multi-purpose robot platform. This platform is often used for entertainment applications. For individual appearance the base can be furnished with a customized casing.
- MP-S400 is a small autonomous multi-purpose robot platform, used for example in surveillance applications.
- MobileArm-PA10 is a mobile robot with a robot arm for industrial applications. It consists of a platform type MP-L655 and a 7-axis robot arm PA 10 by Mitsubishi.
- MobileArm-Scara is a mobile robot with a manipulator arm for industrial transportation applications. It consists of a platform type MP-L655 and a 4-axis scara-robotarm developed by Neobotix .
- Robot guard is a surveillance system. The integrated sensors are: digital camera for day/ night application, PIR sensor, radar sensor, smoke sensor etc.