

As part of the EURON Education and Training effort, we started to set up an educational robotics resources website. This effort aims to create a platform for collecting and sharing information about robots in education, complementing the teaching material available in the Robotics WEBook. The initial version contains material on robot platforms and videos, and we foresee to extend the educational repository with simulators and summer schools material. Suggestions for additional sections are also welcome.

We would now like to invite the robotics community to contribute to this repository, by sharing their experiences with different platforms, providing material to our collection of information, and uploading videos that can be of use for education. Please find below the submission procedure as published on our website <http://euron.mortena.org>

Robotics Platforms:

Robots offer an excellent tool for innovative teaching of a number of different engineering subjects. To apply robots in such a variety of subjects and different scenarios, the employed platforms have to meet a number of technical as well as educational requirements such as flexibility, modularity, scalability and ease of use. To enable teachers to judge on different platforms, the platform overview on this website is intended to provide relevant information, examples in educational use and links to other sources of information.

Submissions describing educational platforms (commercially available as well as custom-made) can be done sending a message to the coordinator:

Uwe Gerecke, Forschungszentrum L3S, Expo Plaza 1, D-30539 Hanover, <http://www.learninglab.de>
Email: gerecke@learninglab.de

The subject of the message must be: Euron platform submission. The message should include all information you feel relevant for the description of the platform. This could be (but is not limited to) the following points:

- Robot system information
- Hardware, including sensors and actuators
- Software (including third party and open source)
- Educational levels and target groups
- Educational support of the platform
- Modularity
- Price range
- Number of systems used
- Institutions using platform in education and PhD projects
- Examples, images and links

Please also indicate the authors of the description.

You can submit descriptions of new platforms as well as additions to existing descriptions.



Videos:

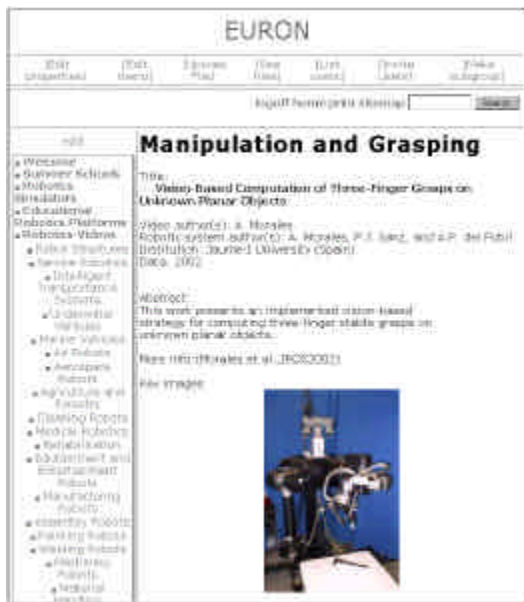
Multimedia education is a new challenge in all fields of knowledge. In the case of Robotics the need of video examples is imperative, so several times we, the teachers, must show the movement of mechanisms, sequences or in general systems dynamics. This video data base is intended to provide useful video demonstrations to the robotics educational community.

Video submissions (5 minutes maximum) can be done sending a message to one of the coordinators:

Manel Frigola (manel.frigola@upc.es), Technical University of Catalonia, Spain
Pedro J. Sanz (sanzp@icc.uji.es), University of Jaume-I, Spain, <http://www.uji.es/>

The subject of the message must be: Euron video submission. The message must include the video file or a ftp/URL address to download it (for video size bigger than 2MB, the second option is mandatory), together with the title of the video (max 10 words), the authors of the robotic system, the author of the video (the contributor), the author's institution, year, the category among the list of topics and an abstract of no more than 50 words. If a reference (e.g. citation or website) of your work is available, you can send it as well.

In order to not limit the contributions, all digital video formats are welcome. With the aim to facilitate the contribution videos with audio tracks or titles in any language will be accepted, even though English is recommended so that everybody can better understand their contents.



The video data base is addressed to the whole robotics community, not only to EURON members. We encourage contributors to generate original material even though it can be published or presented elsewhere.

Copyright remarks:

If the submitted material is not original, contributors will provide the necessary permission notices from the copyright owners where required. In all cases, submitters will be responsible of copyright issues since EURON can not control the original sources.

Obviously, as it is the intention of the database, the submitted materials will be further used for presentations in universities or other training centres. The only request for future users is that they reference the source (that is EURON database) and the name of the authors and their affiliation in their presentations.

The coordinators have the rights to reject any contribution if it does not fit adequately for educational purposes.

Links:

Educational Robotics Resources
Robotics WEBook
EURON Homepage

<http://euron.mortena.org>
<http://www.roble.info>
<http://www.euron.org>