

Some views of robotic science and its applications



CALL FOR PARTICIPATION

Euron is planning to edit a promotional robotics video set aiming to arouse the interest for research and technology to future students.

This video set will be composed probably of 8 chapters, self explained, trying to be attractive and didactic enough so as to arouse the interest of the public, mainly the young.

Each chapter should transmit in a clear way the current possibilities of robotics in each of the fields being tackled, clearly differentiating them from future expectancy.

You are requested to participate providing material in form of short demonstration videos, or preparing scenarios for the recording of demos in any of the topics listed at the end of this annex.

The project is coordinated by Josep Amat. josep.amat@upc.edu
For submitting your contribution, please contact to: Manel Frigola
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The deadline for submissions, material or scenarios definition is November 19th

GOALS

Generation of audiovisual material that:

- Can **reach the great public** showing the possibilities and the reality of robotics
- Presents the possibilities and the **reality of robotics** in applications far beyond the classical industrial environment
- Presents robotics as a relevant component for the improvement of **life quality**, considering both, labor and daily life
- Gives a **glance of the technological and scientific research** involved in the advances towards more intelligent robotics

The three basic components for each chapter

- Robots design, mechanics and micromechanics
- Robot Kinematics
- Skill, smart, dexterous behavior and intelligent control.
- Mobile robots, navigation and orientation.
- Robot vision

Scientific & Technical Topics



- From industrial revolution to current robotized factories
- Robotics close to humans, service robotics
- Problems of disabled people and robotic solutions
- Robots, the best collaborators for the surgeon
- From the tractor to the agricultural robot
- The sea bottom at human reach through robotics
- The what and why of humanoid robots
- Edutainment

Video Chapters



Videos Production & Edition

- Industry
- Services
- Disabled
- Medical
- Agriculture
- Underwater
- Exploration
- Rescue

Application Fields



Contributions:

- Demos
- Experiments
- Applications
- Presentations
- Interviews
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Demos & Scenarios

