



FP6-001917

EURON

European Robotics Network

Network of Excellence

Information Society Technologies

DR.7.3

Summer Schools Organised Yr 2

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Duration: 48 months

Organisation name of lead contractor for this deliverable:

EPFL

Revision: V1

Dissemination Level: PU

EURON Deliverable 7.6:

Evaluation of second year's schools

In order to observe and continuously improve the quality of the EURON schools, we again asked each participant to fill in a questionnaire. The results of the questionnaire enable us to judge on the quality of the individual school and draw conclusions for future schools.

This document gives an overview on the evaluation results of the 2005-06 schools. It is an update of the presentation that was made at the EURON annual meeting in March 2006. The following Summer schools have been supported and the quality evaluated in the year 2005-06:

- 2nd EURON **GeoPlex** Summer School
Modeling and Control of Complex Dynamical Systems
 - 17- 23 July 2005, Residential Center of the University of Bologna
 - <http://www-lar.deis.unibo.it/euron-geoplex-sumsch>
 - Claudio Melchiorri, Stefano Stramigioli
 - **39 participants**

- **Perception and Sensor Fusion in Mobile Robotics (PSFMR)**
 - September 1-7, 2005, Ancona, Italy
 - <http://psfmr.univpm.it>
 - Primo Zingaretti
 - **43 participants**

- IURS-2005 **Robotics and Neuroscience**
 - September 5-9, 2005, Benicassiml, Spain
 - <http://www.robot.uji.es/research/events/iurs05>
 - Angel P. del Pobil, Yiannis Demiris, Jose M. Carmena
 - **51 participants**

- **Surgical Robotics**
 - September 7-14, 2005, Montpellier, France
 - <http://www.lirmm.fr/UEE05>
 - Etienne Dombre, France
 - **37 participants**

- **Camp on Rescue Robotics**
 - October 29 - November 2, 2005, ROMA, Italy
 - <http://sied.dis.uniroma1.it/camp>
 - Daniele Nardi
 - **47 participants**

- IURWS-2006 (1st Int. UMH Robotics Winter School) **Telesurgery**
 - March 26–31, 2006, Flamingo Oasis Hotel, Benidorm, Spain
 - http://www.isa.umh.es/vr2/Euron06/index_en.html
 - José María Azorín
 - **24 participants**

EURON II Schools

European
ROBOTICS
Research
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EURON



EURON II

E&T Key Area Education and Training

1. Report EURON Schools 2005-06
2. Summer Schools 2006
3. Update on Funding Policy
4. Ideas for the Future

European
ROBOTICS
Research
Network

EURON

1 Four Summer Schools 2005

- 2nd EURON GeoPlex Summer School
Modeling and Control of Complex Dynamical Systems **39 participants**
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Thank you to all organizers,
lecturers and participants

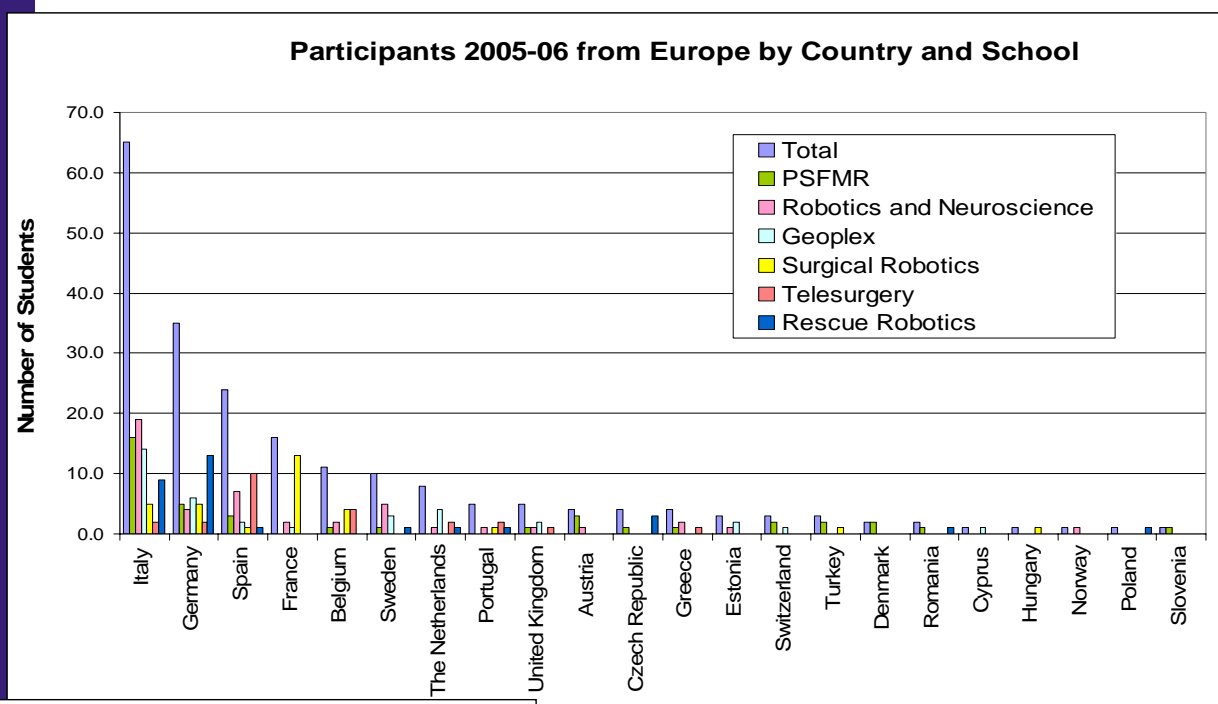
EURON II E&T Key Area Education and Training

1 Winter Schools 2005/06

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 - <http://sied.dis.uniroma1.it/camp>
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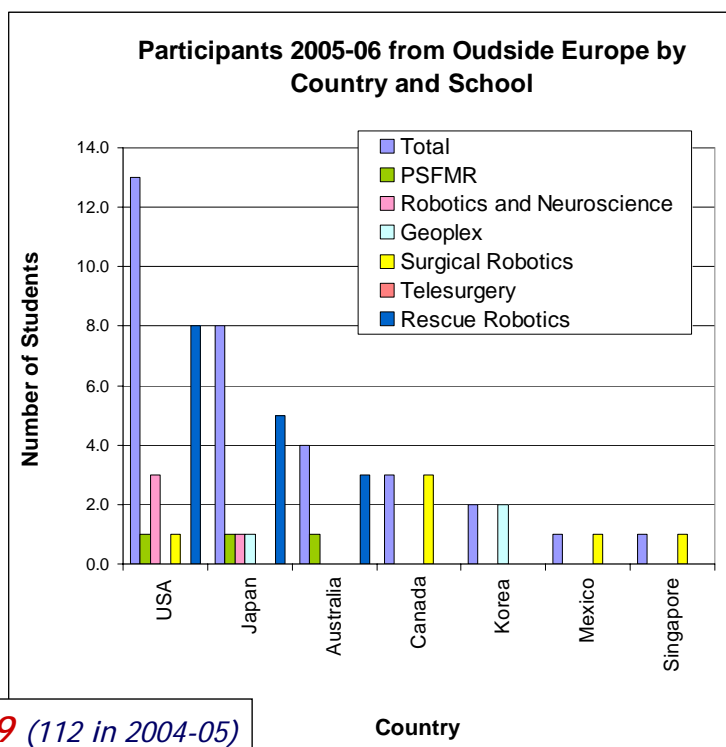
1 EURON Schools 2005-06 Participants by Country (EU)



Total Europe: **209** (112 in 2004-05)
Total others: **32** (75 in 2004-05)

Number of participants from
new member countries are increasing

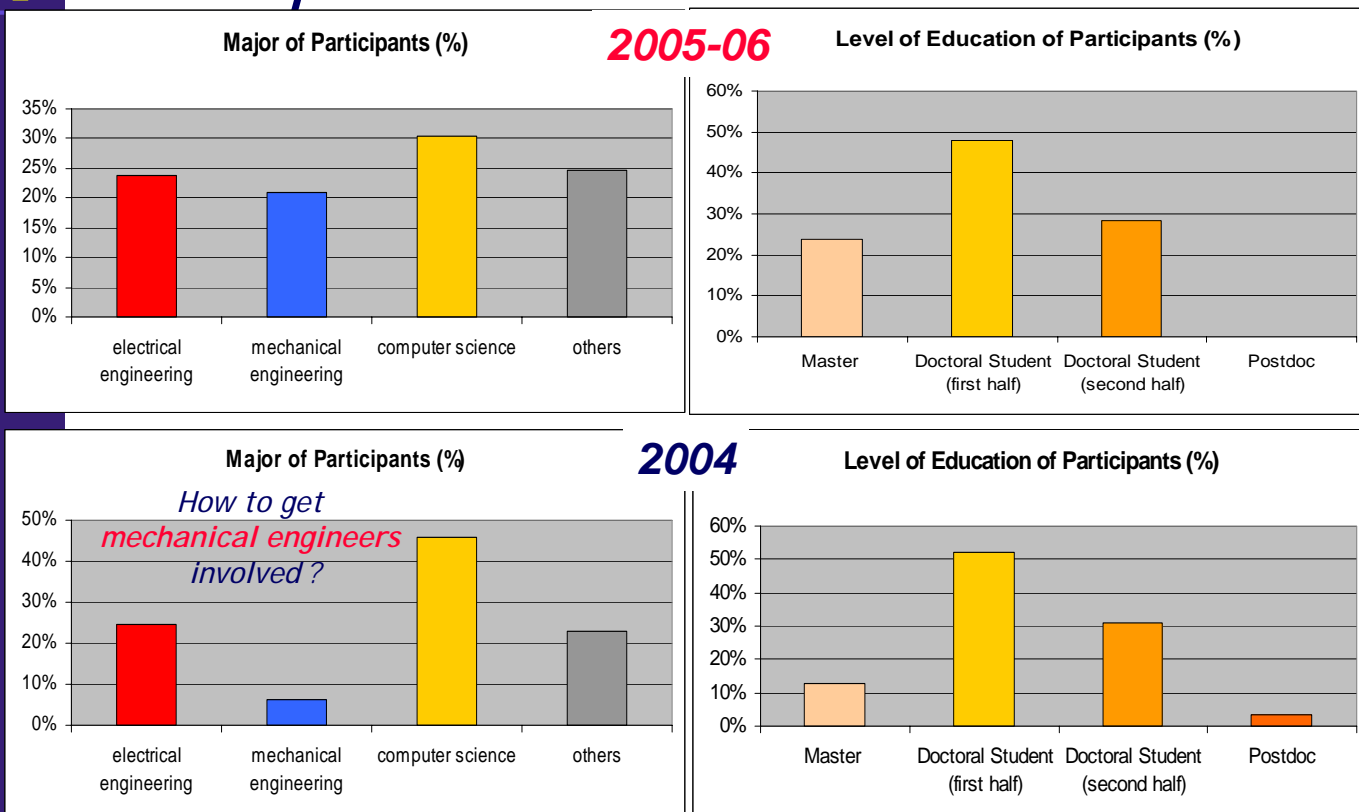
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EURON SCHOOLS 2005-06

1 Major/Level of education of Participants



1

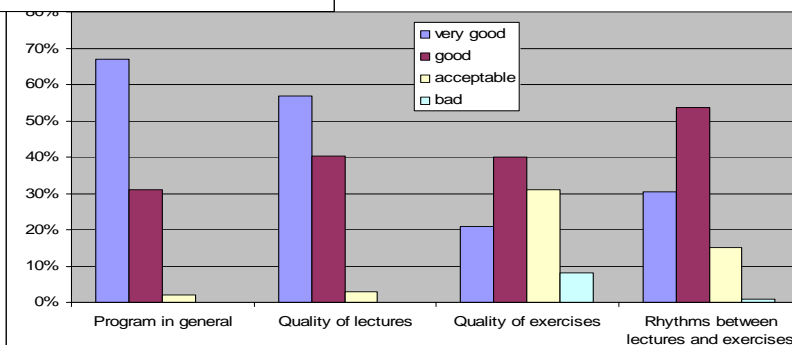
Quality of Program, Lectures, Exercises and Rhythm,

Quality of the Technical Program 2005-06



- Problem with exercises still remain
- % of very good decreased

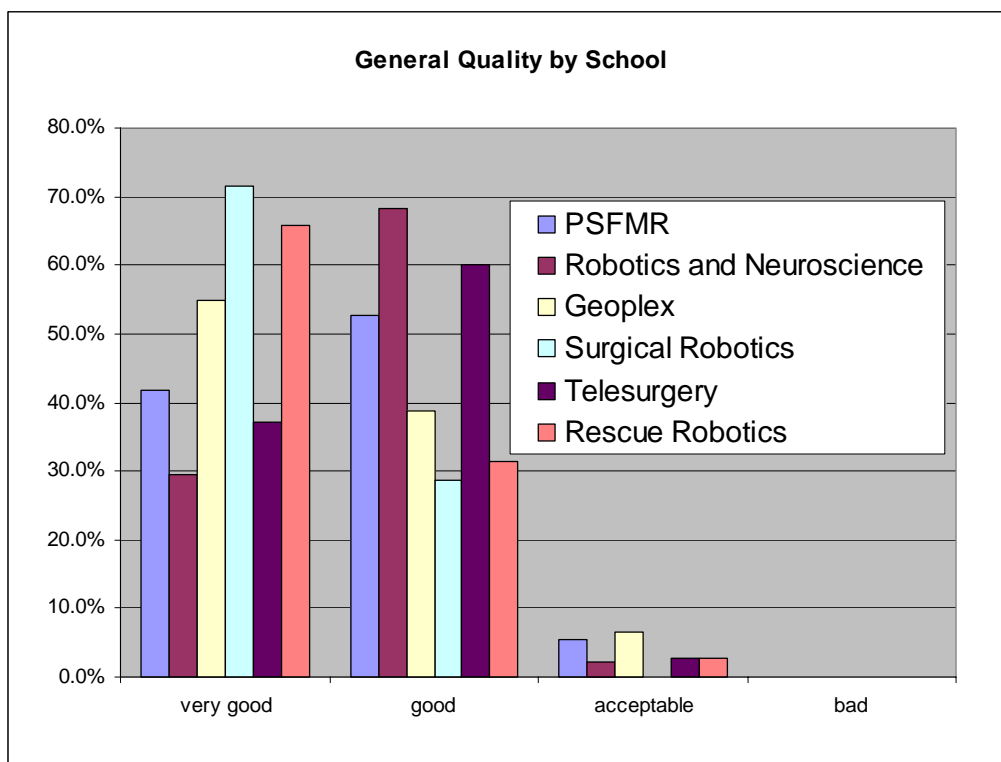
Quality of the Technical Program 2004



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General Quality by School

General Quality by School



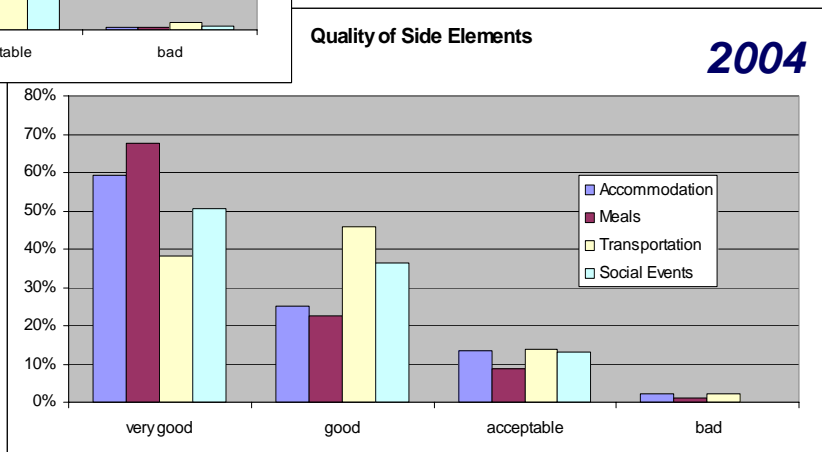
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EURON Schools 2005-06

Quality of Side Elements



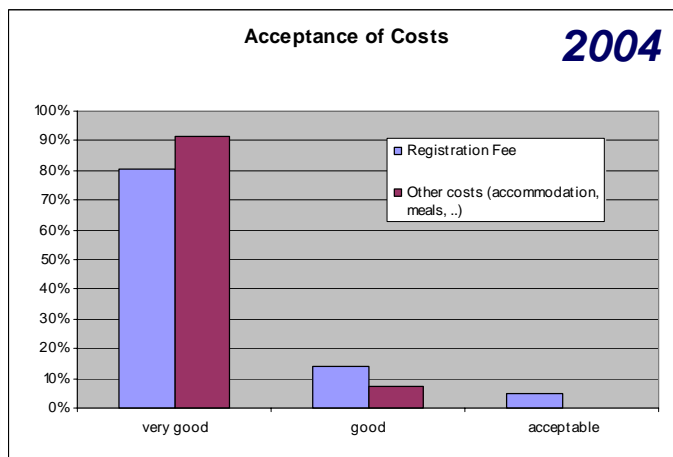
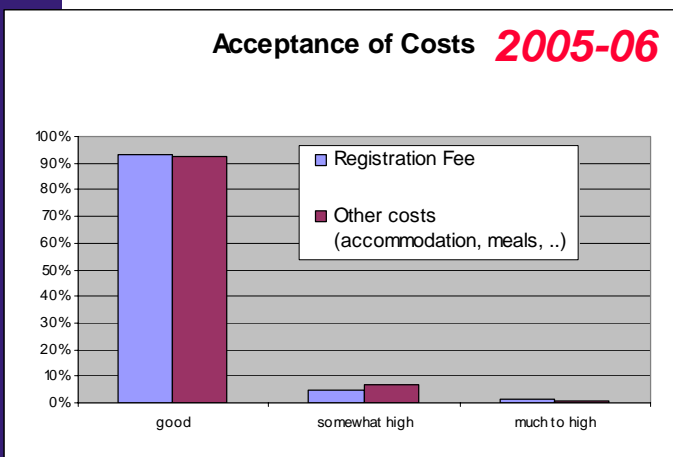
• In general a little better



1

EURON Schools 2005-06

Costs / Future Editions



Do you like to participate on future editions of EURON Summer Schools?

- Yes absolutely **67%** (71% in 2004)
- Probably **31.5%** (29% in 2004)
- No **1.5%** (0% in 2004)

2 Summer Schools 2006

- 2nd Summer School on
Perception and Sensor Fusion in Mobile Robotics
 - September 11 - 16, 2006, Fermo, Italy
 - <http://psfmr06.univpm.it/0>
 - Primo Zingaretti <zinga@diiga.univpm.it>
- 3rd Summer School in
Simultaneous Localisation and Mapping
 - August 27-31 2006, University of Oxford, UK
 - www.robots.ox.ac.uk/~SSS06
 - Paul Newman <pnewman@robots.ox.ac.uk>
- IURS-2006 (6th International UJI Robotics School)
Humanoid Robots
 - September, 18-22, 2006 Hotel Bonaire Benicàssim, Spain
 - <http://www.robot.uji.es/lab/plone/iurs06/>
 - Angel P. del Pobil pobil@icc.uji.es

Thank you to all proposers,
sorry for those who did not make it

3 Update on Funding Policy

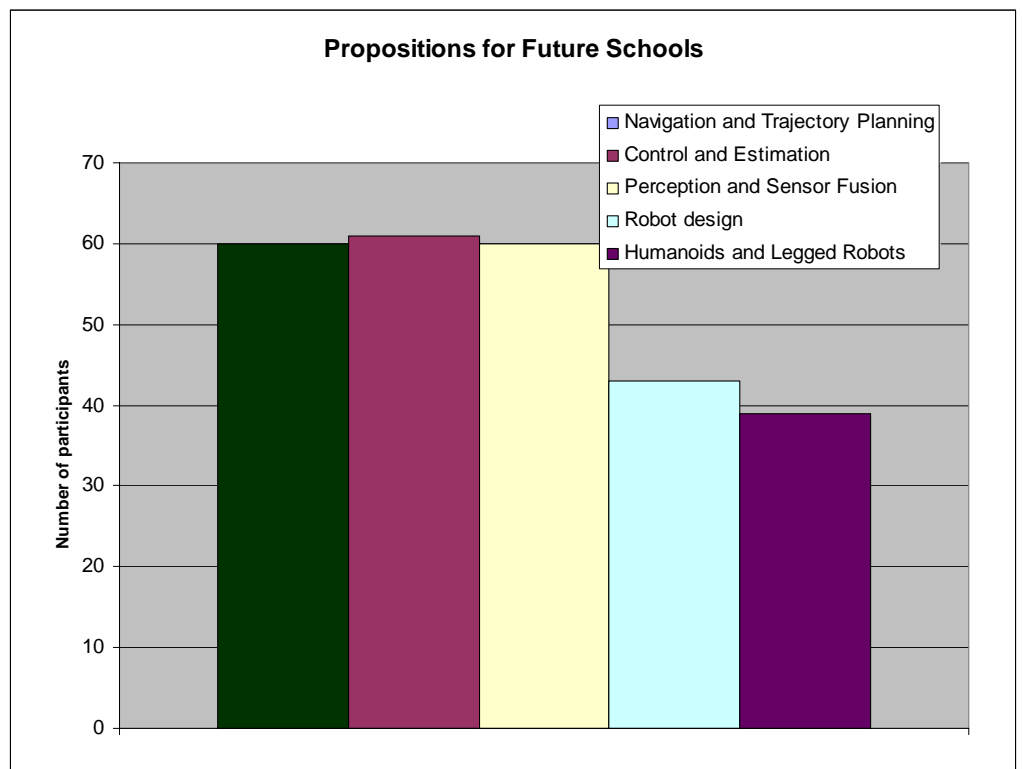
- Basic Conditions:
 - Sponsoring only possible if you have at least 15 registrations from at least 10 different EURON member institutions.
- Budget Allocation:
 - A maximum of **3 k€** for supporting travel and accommodation of lecturers
 - A maximum of **1 k€** for administration and other elements
 - A maximum of **200 €** per participating student from EURON member institution.
 - Maximum: **10 k€** (if 30 and more students)

4 Ideas for the Future

- Conservation of course material of the summer school
 - Collect it on one Web server
 - Simple structures to access the material
 - Rating based on summer school questionnaire
- Summer school for high- / primary-school teachers
 - Goal: To attract more female students for studies in science and technology
 - Collection of interesting material (mainly videos)
- EURON distinguished lecturer program for high-/primary-schools

4 Propositions of Students for Future Schools

- The key list



4

Other Propositions of Students for Future Schools

- Active sensing
- Advanced issues in manipulation
- Applications of Service Robots
- Artificial skins
- Autonomous systems
- Medical, biomedical robotics
- Bionic, Biologically-inspired robotics
- Cognition, knowledge models
- Computer vision
- Developmental Robotics
- Different (fast) learning principles
- Emotions
- Grasping
- HRI Evaluation
- Impact of Software frameworks
- Learning and Evolution
- Mixed Imitative interaction
- Modelling 3D of the environment
- More Affective Computing
- Motion control
- Motion detection and Tracking
- Neuroscience and Robotics
- Object recognition
- Primitives of outdoor recognition
- Qualitative approaches, planning, reasoning
- Robot Architecture (design and implementation)
- Robotic Application to human
- Robotics and AI
- Robotics and Ethics
- Sociable Robots
- Tactile Sensors
- Team Work / Collaboration
- User models