Network Action Proposal

Title:	Workshop on Interactive Robot Learning
Membership number(s)	297
Member name(s)	Danijel Skočaj
Member institute/company name(s)	University of Ljubljana
Goals of the action	The goal of the Workshop on Interactive Robot Learning, which will be held in the conjunction with the 2008 Robotics: Science and Systems Conference in Zurich, Switzerland, is to span the breadth of research questions at the intersection of Machine Learning and Human-Robot Interaction. Many future applications for autonomous robots bring them into human environments as helpful assistants to untrained users in homes, offices, hospitals, and more. These applications will often require robots to flexibly adapt to the dynamic needs of human users. Rather than being pre-programmed at the factory with a fixed repertoire of skills, these personal robots will need to be able to quickly learn how to perform new tasks and skills from natural human instruction. While there are numerous examples of successful applications of Machine Learning algorithms, this scenario poses new problems for the field. Learning in real-time from everyday people, unfamiliar with Machine Learning or robotics, is a new domain with new challenges for the field.

Principal activity to which it contributes
  o Community Outreach
  o Scientific Outlook
  o Education & Training
	Scientific Outlook: Thematic Workshop Organization

Concrete outcomes of the action (at least one of which should be material suitable for publication on the euCognition website)	The prospective authors are invited to submit a 2 page extended research abstracts. Upon acceptance, they will present their work at the workshop. We will publish the proceedings of the workshop (book of abstract) in a printed form. The proceedings will also be available on the workshop web page http://www.dfki.de/cosy/www/events/InteractiveRobotLearning2008 . A subsequent special issue in a related journal is also currently being considered.
Effort in person-days that will be charged to the Network Action (if any)	None
Expected start and duration in months	28 June 2008 - one full day

The requested funding, under the following headings:
 	
  o Travel Costs
 	
  o Other Costs (check with the Network Coordinator if you aren't sure about eligibility
	We would like to request funding for travel and subsistence of two invited speakers and for lunch expenses. We plan to organize a poster session during the lunch break, so we would like to keep the participants together close to the posters by providing an on-site lunch.

of these costs) ○ Labour Costs (identify the number of person-days and the rate per day).	Travel and subsistence costs for two invited speakers: - one from Europe: 1000 EUR - one from USA: 2000 EUR Lunch expenses: 30x10 = 300 EUR **Total:** **3300 EUR**
Please identify any other sources of funding that contribute to this Action (actions to support events such as workshop and conferences should include an outline budget identifying the total cost)	The workshop infrastructure (room, equipment, registration, on-site management) will be provided by RSS organizers. Other organizational costs will be covered by the organizers (workshop web page maintenance, submission process, printing proceedings).
Workshops: *official euCognition event* (yes/no & maximum number of members that can be accommodated)	No