Network Action Proposal

Title:	**Workshop on "The role of emotion in adaptive behavior and cognitive robotics"**, 11-12 July, held in conjunction with the SAB 2008 conference (*Simulation of Adaptive Behavior – From Animals to Animats 10*), July 7-12, Osaka, Japan.
Membership number(s)	4, 214, 120
Member name(s)	Tom Ziemke, Rob Lowe, Tony Morse
Member institute/company name(s)	University of Skövde
Goals of the action	Affect and emotion have recently become a hot topic in the study of embodied cognition in both natural and artificial systems, as also reflected in some FP6 and FP7 cognitive-systems projects (e.g. ICEA, FEELIX-GROWING, MindRaces). However, the regulatory role of affect/emotion, the underlying mechanisms, and the interaction between affective/emotional and cognitive processes are still not well understood. **In order to develop a better understanding of the role of affect/emotion in cognitive systems research, this interdisciplinary workshop will bring together research in cognitive robotics, human-machine interaction, neuroscience, psychology, etc. on the following themes:** 1. **Affective Mechanisms** – This includes a range of mechanisms and concepts such as drives, motivation, reward, metabolic/homeostatic/ allostatic regulation, appraisal, etc. 2. **Emotional Agents** – The integration of affective mechanisms in situated and embodied agents (e.g. robots) provides a crucial testing ground not only for producing emotional artifacts but also for comparing and contrasting the hypotheses and results of various emotion theories. 3. **Social Interaction and Human-Robot Interaction** – The display of affective and emotional states is crucial to social interactions between people and can similarly benefit robot-robot and human-robot interactions. For more details on the workshop see also: • http://sab08.org/img/emotionworkshop.pdf • http://www.his.se/icea/emotion-workshop/

Principal activity to which it contributes
   o Community Outreach
   o Scientific Outlook
   o Education & Training
	Scientific Outlook (thematic workshop)

Concrete outcomes of the action (at least one of which should be material suitable for publication on the euCognition website)	1. **Workshop proceedings** (consisting of abstracts and short papers (4-10 pages)) can be made available on the euCognition web site. 2. The **workshop presentations**, in particular the **invited speakers' presentations**, will be made available online (to the degree possible; e.g. some copyright-protected material might be omitted). 3. The above will include a **summary presentation by the organizers** that will summarize the main issues presented/discussed during the workshop (as introduction to the concluding discussion at the workshop.) 4. A **Cognition briefing** on the role of emotion in cognitive systems will be produced. After the workshop a journal special issue on the same topic will be organized to which participants are invited to submit extended papers, but this will not appear during the 'lifetime' of euCognition.
Effort in person-days that will be charged to the Network Action (if any)	n/a
Expected start and duration in months	July 12

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 of these costs)
 	
  o Labour Costs (identify the number of person-days and the rate per day).
	Funding is requested for travel and accommodation for three invited speakers (from Europe and the US).
	
	Travel costs:
	
	Up to **7500 Euros**, i.e. 2500 Euro per invited speaker, for travel and accommodation (up to three hotel nights).
	
	(The actual amount required is hoped/expected to be less than 7500 Euros, maybe 6000, but since travel costs to/from Japan can vary quite much we calculate with a safety margin here.)
	
	Other costs:
	
	n/a
	
	Labour costs:
	
	None.
	
	(The workshop organizers' work is covered by the ICEA FP6 CogSys project. The local organization, proceedings, etc are covered by SAB and workshop registration fees.)
	
	Regarding the invited speakers (so far):
	• Lola Canamero, Hertfordshire University (among other things, coordinator of FP6 CogSys project FEELIX GROWING, feelix-growing.org) has been invited and has confimed (pending confirmation of funding, of course).
	• Jean-Marc Fellous, University of Arizona (among other things, editor of Fellous & Arbib (2005) *Who Needs Emotions? The Brain Meets the Robot*, OUP) has been invited.
	• Matthias Scheutz has been invited, but cannot make it, i.e. will be 'replaced'.

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)	Apart from the above costs for the invited speakers, the total costs of the workshop consist of the following two main 'chunks': • the cost of the local organization (including rooms, production of the proceedings, coffee breaks, etc.), which we (the workshop organizers) have no details of because they are part of the overall SAB 2008 conference organization; workshop participants pay a registration fee to the SAB organizers – 10,000 JPY if they also attend SAB, 20,000 JPY if they attend only the workshop • the cost of our (the workshop organizers') work on the workshop organization; corresponding to a couple of person-months which are covered by the ICEA project and the University of Skövde (there is no detailed budget for this)
Workshops: *official euCognition event* (yes/no & maximum number of members that can be accommodated)	Yes. Maximum number of members that can be accommodated: about 50. Suggested maximum number of members to be reimbursed by euCognition: 10. This has been discussed with euCognition coordinator David Vernon, and it was decided that from euCognition's perspective it might be best to limit the number of members to be reimbursed, in order to avoid that a large number of SAB 2008 participants could become members and/or attend the workshop just in order to fund their SAB 2008 trip. By the way, it might be worth noting that none of the euCognition funding will be used to fund the organizers themselves or other members of their lab/university.