

Network Action Proposal

Title:	ABiALS 2008 - The fourth workshop on Anticipatory Behavior in Adaptive Learning Systems
Membership number(s)	119
Member name(s)	Giovanni Pezzulo
Member institute/company name(s)	Institute of Cognitive Sciences and Technologies, National Research Council (ISTC-CNR), Rome
Goals of the action	<p>After the success of ABiALS 2006 (funded with the network action NA066_1), we propose the ABiALS 2008 workshop: “the fourth workshop on Anticipatory Behavior in Adaptive Learning Systems”.</p> <p>The general aim of the ABiALS workshop is to bring together researchers that are interested in anticipatory adaptive behavior in animals, animats, and artificial intelligence systems. We stress the multidisciplinary nature of this scientific enterprise, and welcome researchers from different disciplines, including cognitive robotics, psychology, neuroscience, and philosophy among others.</p> <p>Anticipatory behavior does not only depend on the past and present but also on predictions, expectations, or beliefs about the future. The expected outcome of the workshop is to discuss and evaluate the different influences that predictions, expectations, goals, desires, or intentions can have on actual behavior, including influences on attention, action decision making and control, as well as learning.</p> <p>During the workshop there will be two invited overview talks on anticipatory mechanisms (from two different perspectives, computer science and empirical science), short presentations of concrete approaches in artificial cognitive systems, and several interactive discussion sessions.</p> <p>Our initiative is highly synergic with the Fifth euCognition Six-Monthly Meeting, having as a theme: “The Role of Anticipation in Cognition”. We plan to coordinate these two events, that will be held in two successive days (26 and 27 June 2008).</p>
Principal activity to which it contributes	Scientific Outlook

<p>Concrete outcomes of the action (at least one of which should be material suitable for publication on the euCognition website)</p>	<p>The content of the CD (workshop proceedings, including peer-reviewed extended abstracts, papers, and possibly the presentations of the invited speakers and other supplementary material) will be made available on-line at the site of euCognition. We will also freely distribute copies of the CD during the Fifth euCognition Six-Monthly Meeting.</p> <p>We will contribute a Cognition Briefing to the euCognition Wiki on the theme “Anticipation and anticipatory behavior.”</p>
<p>Effort in person-days that will be charged to the Network Action (if any)</p>	<p>None</p>
<p>Expected start and duration in months</p>	<p>One-day meeting: 26 June 2008 (the day before the Fifth euCognition Six-Monthly Meeting)</p>
<p>The requested funding, under the following headings:</p> <ul style="list-style-type: none"> ○ Travel Costs ○ Other Costs (check with the Network Coordinator if you aren't sure about eligibility of these costs) ○ Labour Costs (identify the number of person-days and the rate per day). 	<p>Invited speakers. We will have two invited speakers. The costs will cover their travel and subsistence costs. Requested funds: €2,000</p> <p>Proceedings. Like in ABiALS 2006, we plan an electronic publication. The funds will be used for printing <i>200 CD physical copies</i>, managing the registration of the <i>CD copyrights</i> (with Italian SIAE), and shipping the CDs. The CD copies will be distributed freely at the workshop and at other events after the workshop. During the workshop we will also distribute a abstract booklet of the contributions. Requested funds: €1,000</p> <p>Website. A web portal on the ABiALS theme: “Anticipatory Behavior in Adaptive Learning Systems”. We will create a stable thematic web resource for our interdisciplinary community, that will include not only the ABiALS proceedings, but also other material such as videos, presentations, sourcecode, an annotated bibliography, etc., as well as other web facilities for “community building” such a thematic forum and a newsletter. This portal will link the euCognition portal, too. Requested funds: €2,000</p> <p>Note that the CD and website realization will be delegated to two SMEs that will give us receipts for the service.</p> <p>Total requested funds: €5,000</p>
<p>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)</p>	<p>Labour costs (in charge of ISTC-CNR) for <i>preparing the CD graphics and contents</i> (estimated: €1,000)</p>
<p>Workshops: <i>official euCognition event</i> (yes/no & maximum number of members that can be accommodated)</p>	<p>Yes. We will allow participation of all the euCognition members attending the Fifth euCognition Six-Monthly Meeting (the conference venue is the same).</p>