

Network Action Proposal

Title:	Staff visit to the Department of Information Science of the University of Milan
Membership number(s)	243
Member name(s)	Francesco Orabona
Member institute/company name(s)	IDIAP Research Institute, Martigny, Switzerland
Goals of the action	<p>To enable a 5 days visit of Dr. Francesco Orabona to the Department of Information Science of the University of Milan, to meet Prof. Nicolò Cesa-Bianchi and his team. This action is framed in the need to increase the collaboration between Machine Learning and Cognitive Systems studies.</p> <p>Prof. Nicolò Cesa-Bianchi is one of the world experts on theoretical founded online learning. His approach starts from the theory of bounds to develop efficient algorithms with theoretically guaranteed good performance.</p> <p>This network action would enable Dr. Orabona and Prof. Cesa-Bianchi to investigate possible links between the learning process in a cognitive agent and from a theoretical point of view. In fact, until now, none of the algorithms of Prof. Cesa-Bianchi have been applied on an artificial agent. At the same time the meeting could bring new ideas for online learning with bounded complexity for a cognitive agent.</p> <p>It is important to underline that this action would start an important link between two partners that never worked together in the past.</p>
Principal activity to which it contributes <ul style="list-style-type: none"> ○ Community Outreach ○ Scientific Outlook ○ Education & Training 	<p>Community Outreach:</p> <ul style="list-style-type: none"> - Starting a relationship between machine learning and cognitive science. <p>Scientific Outlook:</p> <ul style="list-style-type: none"> - To investigate the relationship between bounded online learning and probabilistic methods.
Concrete outcomes of the action (at least one of which should be material suitable for publication on the euCognition website)	<p>The action will lead to</p> <ul style="list-style-type: none"> ● A cognition briefing for the euCognition wiki (on online learning with particular emphasis on bounded complexity methods).
Effort in person-days that will be charged to the Network Action (if any)	N/A
Expected start and duration in months	The visit would last 5 days and would be carried during the days 19-23 of May.

<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>Travel costs: approximately €100 Subsistence cost €750 Total €850</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>Workshops: <i>official euCognition event</i> (yes/no & maximum number of members that can be accommodated)</p>	