

Network Action Proposal

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| Title: | 5th European Neuro-IT and Neuroengineering School – Cognition & Action – (July 15-22, 2007) |
| Membership number(s) | |
| Member name(s) | Prof. Andreas K. Engel |
| Member institute/company name(s) | Dept. of Neurophysiology and Pathophysiology University Medical Center Hamburg-Eppendorf, Germany |
| Goals of the action | <p>The summerschool will focus on a new and rapidly growing field – the area of <i>‘Neuro-IT’</i> and <i>‘neuroengineering’</i> where neuroscience, cognitive science, information technology and robotics are approaching each other and starting to merge in interdisciplinary projects. Main organizer and sponsor of the school is Neuro-IT.net, an EU Thematic Network, which aims at building a critical mass of new interdisciplinary research excellence at the interface between neurosciences and information technologies within the European Union and its associated states (for more info see www.neuro-IT.net). The summerschool serves as an international, multi-disciplinary platform for junior and senior researchers and other professionals working in the field of Neuro-IT and cognitive science, as well as for students of engineering, physics, medicine, biology, or psychology. The goal of the school is to offer 50 participants the opportunity to learn about relevant studies through lectures given by senior scientists, discuss topics of particular interest in interactive workshops, to present their own research, and last not least to exchange ideas with and to establish new contacts to colleagues in the field. A total of 15 faculty members will present their research topics in a lecture and a workshop. The 2007 summerschool will thematically focus on <i>Cognition & Action</i>. The key topics of the summerschool will include: (1) executive functions, action planning & decision making; (2) movement preparation, skills, habits & associated disorders (e.g. Parkinson’s disease); (3) neuroprosthetics & brain-machine interfaces; (4) emotions, social cognition & reward mechanisms. The scientific organizing committee has the following members: Andreas K. Engel (Hamburg), Alois Knoll (Munich), Rolf Pfeifer (Zurich), Vittorio Gallese (Parma), Constanze Hipp (Hamburg).</p> |
| Principal activity to which it contributes | Education & Training |
| Concrete outcomes of the action <small>(at least one of which should be material suitable for publication on the eu-Cognition website)</small> | <p>The most important outcome of this action will be the contribution to education and training of junior researchers and postdocs, the knowledge gain of the participants and the strengthening of a network of next-generation researchers in cognitive science and Neuro-IT.</p> <p>Beyond this, three types of documented materials could be made available for the publication on the euCognition webside, which will constitute valuable resources for a broader audience: (1) There will be a total of 15 lectures. Speakers will be asked to supply a publishable version of their lecture slides and participants will be asked to write a brief summary of each lecture. (2) There will be a total of 15 workshops on topics of particular interest within the field of Neuro-IT and cognitive science. The key discussion points of the workshops will be summarized. (3) The 50 participants will present a poster on their current research. These posters could be made available for publication on the euCognition website.</p> <p>If euCognition supports the school, the logo and name of the network will be integrated into the title and web announcements of the school.</p> |
| Effort in person-days that will be charged to the Network Action (if any) | - |

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| Expected start and duration in months | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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>We would like to request a contribution of 10.000 EUR to the budget of the summerschool, which will be used to cover the travel costs of invited speakers (see below).</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>The school will take place at the Hanse-Institute for Advanced Study (HWK), http://www.h-w-k.de, at Delmenhorst (near Bremen in the north of Germany) that provides state-of-the-art meeting facilities free of charge. We estimate total costs of 40.000 EUR. An amount of 30.000 EUR will be covered by funds from the Neuro-IT network and by registration fees (approx. 5.000 EUR, i.e. 100 EUR per participant). This money will cover the costs for accommodation of participants, speakers and organizers, all labour, food and beverages for the participants throughout the week, social events, teaching material and documentation. In detail, the following expenses are expected:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3">ESTIMATED TOTAL COSTS</td> <td style="text-align: right;">40000</td> </tr> <tr> <td colspan="3">expenses at Delmenhorst:</td> <td style="text-align: right;">30.000</td> </tr> <tr> <td style="padding-left: 40px;">accomodation</td> <td style="text-align: right;">15.500</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 40px;">food & beverages at HWK</td> <td style="text-align: right;">7000</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 40px;">social events (trip to Bremen, bowling, etc)</td> <td style="text-align: right;">4500</td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 40px;">other (person power, documentation, etc.)</td> <td style="text-align: right;">3000</td> <td></td> <td></td> </tr> <tr> <td colspan="3">travel costs:</td> <td style="text-align: right;">10000</td> </tr> <tr> <td></td> <td style="text-align: right;">approx. #</td> <td style="text-align: right;">rate p.p.</td> <td></td> </tr> <tr> <td style="padding-left: 40px;">speaker/organizer from Europe</td> <td style="text-align: right;">10</td> <td style="text-align: right;">500</td> <td style="text-align: right;">5000</td> </tr> <tr> <td style="padding-left: 40px;">speaker from USA/Japan etc.</td> <td style="text-align: right;">5</td> <td style="text-align: right;">1000</td> <td style="text-align: right;">5000</td> </tr> </table> | ESTIMATED TOTAL COSTS | | | 40000 | expenses at Delmenhorst: | | | 30.000 | accomodation | 15.500 | | | food & beverages at HWK | 7000 | | | social events (trip to Bremen, bowling, etc) | 4500 | | | other (person power, documentation, etc.) | 3000 | | | travel costs: | | | 10000 | | approx. # | rate p.p. | | speaker/organizer from Europe | 10 | 500 | 5000 | speaker from USA/Japan etc. | 5 | 1000 | 5000 |
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