



NEURO-IT.NET

A Network of Excellence at the Interface between Cognitive/Neurosciences and Information Technology

FP5 Network of Excellence with activities similar to FP6 NoE. Sponsored activities include:

- **Fellowships** for immersion in biology for engineers and hardware/software design for biologists (up to 12 months to get hands-on experience)
- Organisation of **ateliers** in which working groups visit each other for a limited period of time to actually work together on a specific question to profit from each other's equipment (e.g. fMRI systems).
- Support for **small start-up measures** in the different areas, with special emphasis on their transdisciplinary benefit and potential for later research proposals emerging from them (departure from the sole service character of traditional NoEs)
- **Summer School** on Neuro-IT and Neuroengineering
- **Regular brainstorming sessions for developing roadmaps and position papers**

Organization of reviews and workshop

- Leuven 2002, Alicante 2003, Brussels 2003, **Bonn 2004**, Munich 2004, Venice 2005

Summerschools

- 2nd Summerschool on Neuroengineering in Genova just closed, successful: 85 participants, renowned teaching staff
- 2005 3rd School on **Neuro-IT and Neuroengineering** in Venice:
 - aim is to combine the reviews and the workshop next year with the summerschool.
 - period will be **June 13...25**, 2005 (to be confirmed)

Collection of educational resources

- Video Tapes of **Obidos lectures** available at www.neuro-it.net
- We are open to cover further conferences, workshops – we have a trained video team in place that can record everywhere
- Collection of tutorials: please submit or suggest
- Tournament: aim for next summerschool



Sponsoring

- We have sponsored the Obidos summer school, TAUC (brain-machine interface) conference
- Limited funding available (3k-5k) for workshops that are of clear interest to the Neuro-IT community
- **No** sponsoring of project activities, but:
- ‚Start-up‘-measures: funding up to 10 k€
 - Aimed at: training young students in other labs AND/OR reuse of existing equipment
 - Conditions on website
 - First proposal granted recently: see website

Alert your students! This is an exciting possibility for them to spend some time abroad/in different lab

Most important activity: Roadmap !

- Recent contribution: Biological complexity (Richard Walker)
- Further contributions expected for ‚constructed brain‘, ‚conscious machines‘, ‚brainship‘
- Strategic (funding) and scientific relevance: Activities have been, e.g., instrumental in preparation of recent BIO13 call, Scientific topics in the Roadmap have generated widespread interest
- Roadmap is instrument for keeping Neuro-IT competitive (towards quantum computing, nano technology, ambient intelligence, grid technologies in FP7)!
- Since roadmap is an important political instrument: keep up-to-date, deliver contributions, express your support for the kind of research described there!
- Several workshops in preparation: ‚conscious machines‘ (see also recent proposal by FET), ‚factor-10‘ and ‚constructed brain‘ are planned. These will be workshops on (mainly) scientific aspects
- Check mailing list and website AND/OR contribute something yourself: roadmap@neuro-it.net

- Is not a direct way to fund your research ...
- ... but it is an important instrument to influence funding your research
- Participate:
 - Call your student's attention to the *start-up*-measures
 - Send them to our summerschool
 - Contribute to the roadmap
 - Propose new initiatives for funding and Comment on existing ones
 - Attend our workshops and propose workshops you would like to see organised
 - **Be active!!**