

Manchester-Jülich – EU BrainScaleS and IAS Workshop

What can Neuromorphic Computing and HPC learn from each other?

October Th 27th – Fr 28th 2011
Research Center Jülich, INM-6

Agenda

Thursday October 27th

08:30 Transportation from hotel to Research Center

09:00-09:15 Welcome and introductory remarks (Diesmann, INM-6)

09:15-09:45 The SpiNNaker hardware and its communication scheme (Furber, Manchester)

09:45-10:15 The NEST Simulator and the NEST Initiative (Gewaltig, EPFL)

10:15-10:45 Roadmap and Research on Supercomputing in Jülich (Lippert, JSC)

10:45-11:15 Coffee break

11:15-11:45 State of the art communication schemes in neuronal simulators (Eppler, INM-6)

11:45-12:15 State of the art and future communication hardware for HPC (Pleiter, JSC)

12:15-13:15 Lunch

13:15-14:00 Discussion on the similarities and differences between HPC and SpiNNaker communication hardware: What can both learn from each other?

14:00-14:30 Coffee break

14:30-15:45 Model requirements for SpiNNaker: Is it possible to port NEST to SpiNNaker, or to share parts of the code base?

16:00-16:45 Visit at the Jülich Supercomputing Center

17:00-17:45 Visit at the Institute for Neuroscience and Medicine (INM-1)

18:00 Transportation back to the hotel

19:00 Dinner at Alt Jülicher Stuben in Jülich (see Map)

Friday October 28th

08:45 Transportation from hotel to Research Center

09:00-10:30 Discussion on next steps and concrete joint projects

10:30-11:00 Coffee break

11:00-12:00 Discussion on next steps and concrete joint projects

12:00-13:00 Lunch

13:00-13:30 Coffee, closing remarks, and farewell

13:45 Transportation back to the airport in Düsseldorf

Participants

Research Center Jülich

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Map

