Program for Workshop on Progress on Brain-Like Computing at KTH  
February 5-6, 2014

| Wednesday  
Feb 5 |  |
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| 12:00 – 13:00 | Registration and LUNCH  
Address: Lindstedsvägen 30, in connection to the venue |
| 13:00 – 13:15 | Welcome, Introduction  
Per Berglund, vice Dean of Faculty, KTH  
Anders Lansner |
| 13:15 – 13:45 | Supercomputer simulations of spiking neuronal networks  
Prof. Morrison’s talk will be replaced  
Abigail Morrison |
| 13:45 – 14:15 | Reverse Engineering in Cognitive and Brain Sciences  
Andreas Schierwagen |
| 14:15 – 14:45 | Neuromorphic cognitive systems: brain-inspired computing technologies  
Giacomo Indiveri |
| 14:45 – 15:15 | COFFEE  
15:15 – 15:45 | New devices for brain-like computing  
Mark Ritter |
| 15:45 – 16:15 | Spatio-temporal dynamics modeling in large-scale brain data  
Guillermo Cecchi |
| 16:15 – 16:30 | End of day announcements  
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| Wednesday  
Feb 6 |  |
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| 09:00 – 09:15 | Start of day 2  
Kazuyuki Aihara |
| 09:15 – 09:45 | Associative memory, stochastic attractor dynamics  
Kazuyuki Aihara |
| 09:45 – 10:15 | The SpiNNaker system  
Steve Furber |
| 10:15 – 10:45 | COFFEE  
10:45 – 11:15 | Capacity demands for Custom Digital Hardware Implementation of Spiking Brain Models  
Anders Lansner |
| 11:15 – 11:45 | A Scalable Custom Simulation Machine for the Bayesian Confidence Propagation Neural Network model of the Brain  
Ahmed Hemani |
| 11:45 – 12:15 | Physical Models of Neural Circuits – Achievements and Challenges  
Karlheinz Meier |
| 12:15 – 12:30 | End-of-workshop  
|
| 12:30 – | LUNCH |

Location: KTH main campus in Stockholm, Lecture Hall F3, street address Lindstedsvägen 26  
The Workshop is co-funded by IBM T. J. Watson Research Center and KTH Royal Institute of Technology