

Topic 3 meeting at PGI-4, 11.06.2025

Building 02.5, room 110 Ohm and adjacent rooms

- AGENDA -

| When? | What? | Chair(s) |
|---------------|--|--|
| 09:00 – 09:10 | Welcome and Introduction | Strachan |
| 09:10 – 09:30 | Topic 3 evaluation – debriefing, lessons learned and results incl. strengthening connections between institutes, incl. Joint projects, how to overcome distance TZA – FZJ | Topic Board |
| 09:30 – 10:00 | Teaser Discussion Groups | Discussion Group Chairs |
| 10:00 – 10:15 | Coffee break | |
| 10:15 – 11:50 | Discussion Groups (I – 1hr35min) | |
| | Role of sparsity and synchrony for neural network function and performance | Grün, Tetzlaff |
| | In-sensor computing | Rana |
| 11:50 – 12:00 | Group Photo | |
| 12:00 – 12:45 | Lunch | |
| 12:45 – 14:15 | Discussion Groups (II – 1hr30min) | |
| | How do we make optimal use of the research on integrated circuits in Topic 3? | van Waasen, Zambanini |
| | Learning: Biology, neuromorphic computing, theory | Helias, Morrison, Neftci |
| 14:15 – 14:30 | Coffee break | |
| 14:30 – 15:45 | Discussion Groups (III – 1hr15min) | |
| | "Event-based Supercomputer for AI and Beyond (ESAB)" - an upcoming EFRE infrastructure project at JSC that aims to integrate a SpiNNaker2 NC system into the HPC landscape | Trensch, Diesmann |
| | Engineering functional neural circuits & systems to benefit both neuroscience and computing applications | Siegel, Sudarshan, Yang, Strachan |
| 15:45 | Wrap up/farewell | Topic Board & Chairs |