

Biologically-Inspired Massively-Parallel Architectures: A Reconfigurable Neural Modelling Platform

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The SpiNNaker project aims to develop parallel computer systems with more than a million embedded processors. The goal of the project is to support large-scale simulations of systems of spiking neurons in biological real time. The architecture is generic and makes minimal assumptions about the network topologies that will be supported, the goal being to offer a fully reconfigurable platform to test hypotheses of brain function whether they arise from neuroscience, psychology, or elsewhere.

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