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Neuromorphic systems are being developed to transcend the barriers imposed by silicon power consumption, develop new algorithms that help machines achieve cognitive behaviors, and both exploit and enable further research in neuroscience. In this talk I will discuss a system im-plementing spiking neural networks.

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Neuromorphic Processing A New Frontier Neuromorphic Engineering is a new emerging interdisciplinary

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field which takes inspiration from biology, physics, mathematics, computer science and engineering to design hardware/physical models of neural and sensory systems. AI on a MEMS Device Brings Neuromorphic Computing to the Edge

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Neuromorphic Processing: A New Frontier in Scaling Computer Architecture Jeff Gehlhaar Vice President, Technology Qualcomm Research San Diego Qualcomm Technologies, Inc. jbg@qti.qualcomm.com  
Abstract The desire to build a computer that operates in the same manner as our brains is as old as the computer itself.

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Neuromorphic processing new frontier scaling. For this reason new generation custom neurocomputing hardware systems started emerge. Neuromorphic engineering new emerging interdisciplinary field which takes inspiration from biology physics mathematics computer science and engineering design hardwarephysical models neural and sensory systems.

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New Frontier Neuromorphic Engineering is a new emerging interdisciplinary field which takes inspiration from biology, physics, mathematics, computer science and engineering to design hardware/physical models of neural and sensory systems.

## Neuromorphic Processing A New Frontier In Scaling

Neuromorphic Processing: A New Frontier in Scaling Computer Architecture Jeff Gehlhaar Vice President, Technology Qualcomm Research San Diego Qualcomm Technologies, Inc. jbg@qti.qualcomm.com  
Abstract The desire to build a computer that operates in the same manner as our brains is as old as the computer itself. Neuromorphic processing: a new ...

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, file transfer rates, and processing performance. The evaluation includes a computational fluid dynamics code and an N-body gravitational simulation program. It is shown that the Beowulf architecture provides a new operating point in performance to cost for high performance workstations, especially

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It has been argued that neuromorphic circuits are ideal for developing a new generation of computing technologies that use the same organizing principles of the biological nervous system (Douglas et al., 1995; Boahen, 2005; Sarpeshkar, 2006). In addition to the computations of a single neuron, many neuromorphic circuits also utilize spiking representations for communication, learning and memory, and computation.

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