

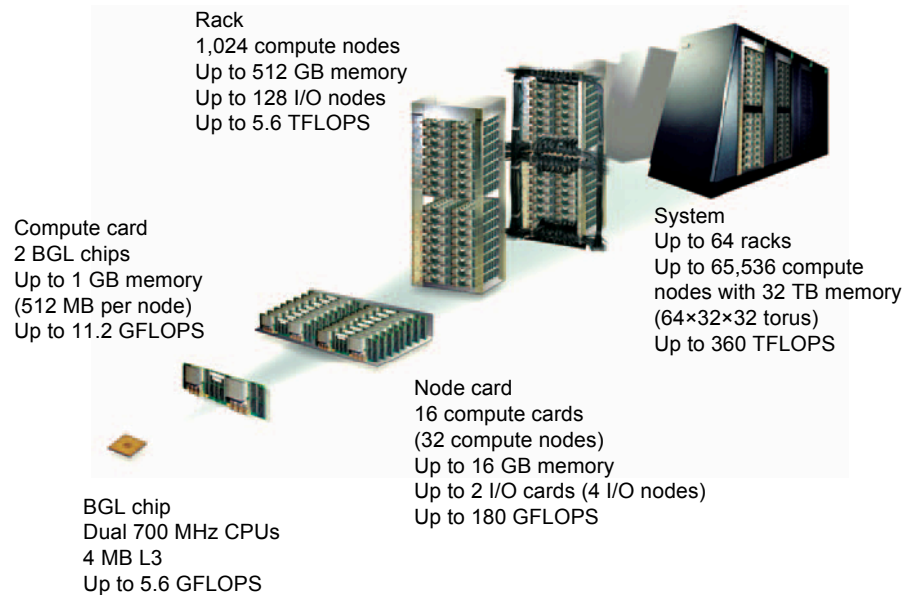
Large Scale Experiment-Based Models of Brain Circuits

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The Blue Brain Project

Henry Markram

Abstract IBM's Blue Gene supercomputer allows a quantum leap in the level of detail at which the brain can be modelled. I argue that the time is right to begin assimilating the wealth of data that has been accumulated over the past century and start building biologically accurate models of the brain from first principles to aid our understanding of brain function and dysfunction.



GMS

