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FOR IMMEDIATE RELEASE

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EVOLVED MACHINES ANNOUNCES THE INSTALLATION OF A 40 TFLOP NEURAL COMPUTATION FACILITY, TO BE USED FOR THE ARTIFICIAL EVOLUTION OF NEURAL CIRCUITRY

Palo Alto, CA March 27, 2009 – Evolved Machines, Inc. today announced that Evolved Machines has activated a 10,800-core parallel computing facility dedicated to the development of artificial neural circuits. The system incorporates 42 NVIDIA® Tesla™ GPU Computing processors, controlled by 14 quad core AMD Phenom® conventional microprocessor, and has a nominal computation capacity of over 40 TFLOPS.

The computing facility was established to enable the artificial evolution of simulated neural circuitry for sensory processing, both in artificial olfaction and vision. According to Paul A. Rhodes, Ph.D., CEO of Evolved Machines, "The complex mechanisms embedded in biological neural circuitry enable the extraordinary capabilities of the brain. Simulated evolution can be used to guide the selection and parameterization of these mechanisms in simulations of highly neural circuit fabrics, provided an enormous amount of parallel computing power can be applied. Our new facility will allow us to pursue such work, which is ongoing in artificial olfaction and invariant visual object recognition."

"Evolved Machines was one of the first companies to recognize the enormous potential of the GPU to solve large complex problems," said Andy Keane, general manager, Tesla business at NVIDIA. "There is perhaps no greater challenge than creating a machine that behaves like a human brain, so we are excited to see what advances in neural science Evolved Machines can make with their new facility."

"NVIDIA's GPU Computing technology has been instrumental in this program – without it we simply would have been unable to implement it at an adequate scale," Dr. Rhodes maintained. The results are expected to guide the development artificial neural circuits at the heart of a new generation of devices in artificial olfaction and vision.

About Evolved Machines, Inc.

Evolved Machines, Inc., based in Palo Alto, CA, develops technology for sensory systems based on highly neural sensory signal processing, reverse-engineering circuitry in the brain to enable a new class of self-wiring devices that perform in the complexities of real-world environments, for both artificial olfaction and visual object recognition. Additional information on Evolved Machines can be found at www.evolvedmachines.com.

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