

AN EVOLUTIONARY ARCHITECTURE

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Interactive output device for displaying an emotional state: Ade Adekola, 1992.

This device emerged from a study to determine the potential for consciousness to be represented in a constructed system. Concepts of environmental perception, self-awareness, intentionality, and the ability to abstract from mental models were displayed by its operation. The mast is operated by twelve tensioning arms, powered by solenoids under computer control. It possesses its own position sensors and control system so that it becomes a closed self-responsive and predictive system to question the state of consciousness. Mimicking the basic characteristics of living systems in order to respond to their environment, the device has the capacity to store or react to information, exhibit reflex actions, or evaluate signals to display or inhibit a mode of behaviour, thus exercising judgement.

