



It is not about tools...

Engineers receive all info through waves only. Light and sound are sufficient input!

1 - Subject
Human-Machine Interfaces on neurological basis for Civil engineering problem solving.

Output is light and sound, e.g. reports and speech

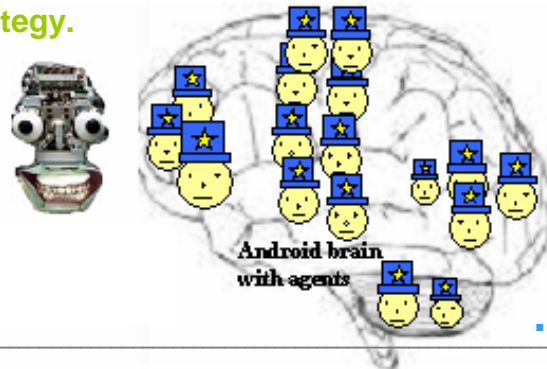
2 - Goal
Build basic neurological model that recognizes, solves and reports civil engineering problems.

3 - Expected result
Simple android capable of basic problem solving using only light and sound



Japanese android

The brain defragments the problem, recognizes it and produces a solving strategy.



Android brain with agents

Motivation
Currently all our tools and models sprout from the human brain. They will continue to be fragmented and be incompatible. The only WORKING link between them is our own human brain.

... it is about intelligence

Human-Machine Interfaces For structural engineers

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Subject

Human-Machine Interfaces on neurological basis for Civil engineering problem solving.

Goals

Build basic neurological model that recognizes, solves and reports civil engineering problems in a user-friendly way.

Research Question

Which Human-Machine interface is most suited for civil engineering problem solving.

Strategy

The human brain is proven technology for a large variety of problems. This research will concentrate on the visual system and basic problem solving functions demonstrated by our brain.

Expected Results

Simple android capable of basic problem solving using only light and sound.

Preferred Partners Applications / Sponsors

Prime Publication / Prototyping

Research Period

November 2006 – November 2010