Computer-aided Human Centric Cyber Situation Awareness

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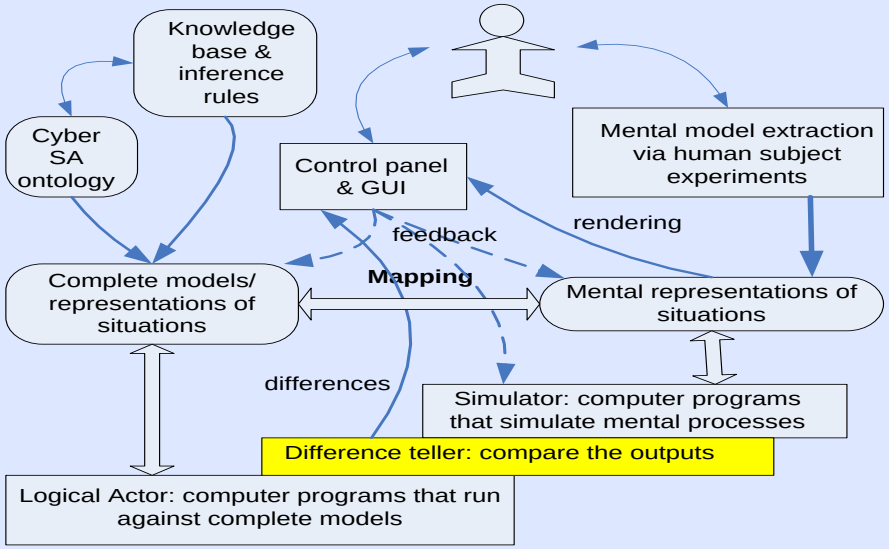
Objective:

- Identify and fill the gap between machine info processing and analysts' SA mental processes.
- Locate and remove the *blind spots* of existing cyber SA tools.
- Build the next generation cyber defense Situation Room prototype.

Approach:

- Integrate the "human cognition" and "computer algorithm" aspects of SA
- Represent situations across two "worlds"
- System wide fine-grained behavior profiling
- SA driven human cognition simulation
- Hypothesis-aided situation learning
- Multi-level information fusion

Technical Success:

- Project just started 17 Sept 09