



fuzzy
improvisational
agents

dr. brian magerko

adam lab

georgia institute of technology

methodology

performance

retrospective
protocols

group interview

build agents





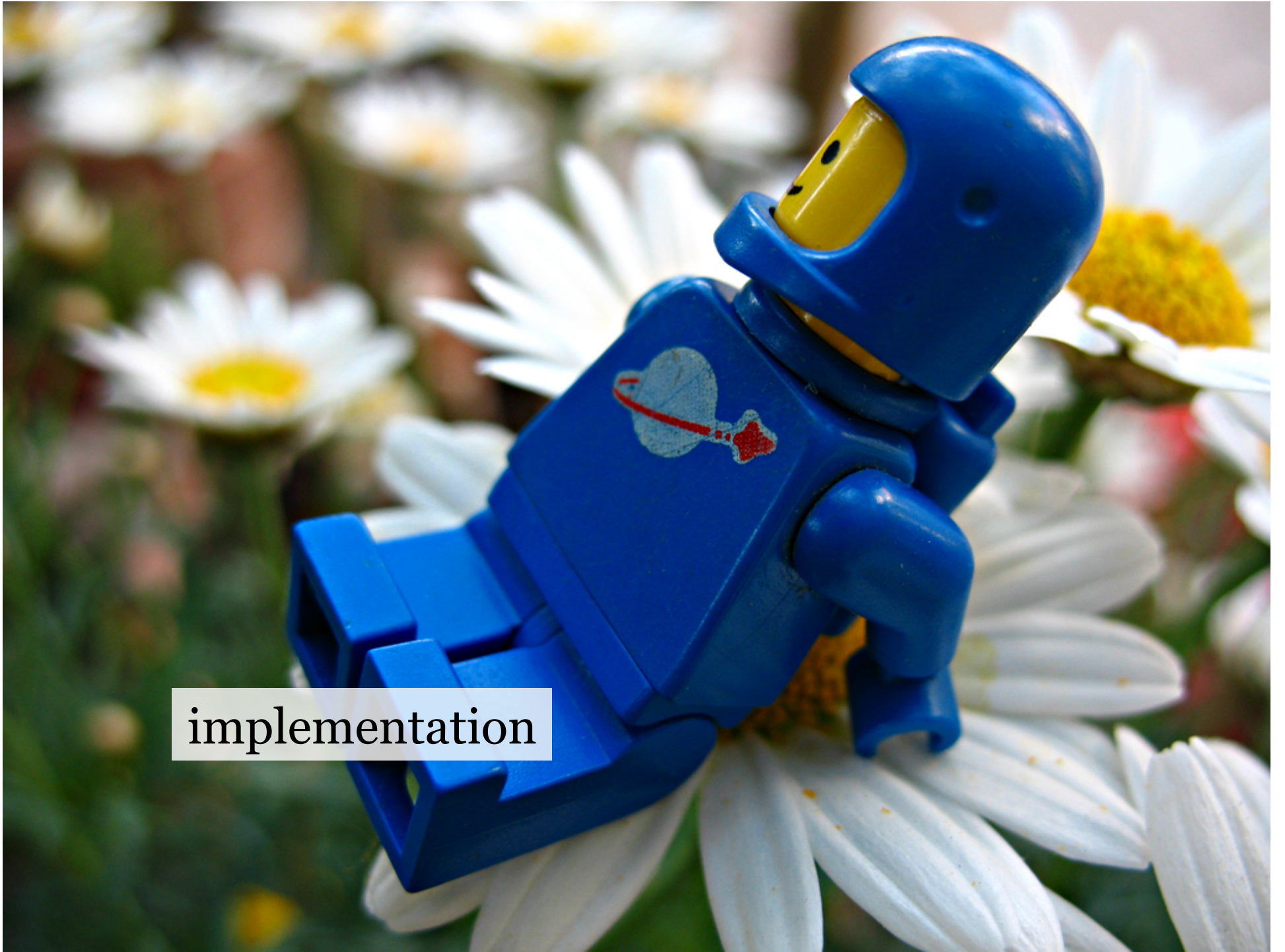
current
data

cognitive
convergence

narrative
development

basic
cognition

referent
use



implementation

A photograph of a stream with water reflecting autumn trees and a rock in the foreground. The water is clear, showing ripples and reflections of the surrounding environment. The reflections are of trees with yellow and orange leaves, and a dark rock is visible in the lower right corner. The overall scene is peaceful and natural.

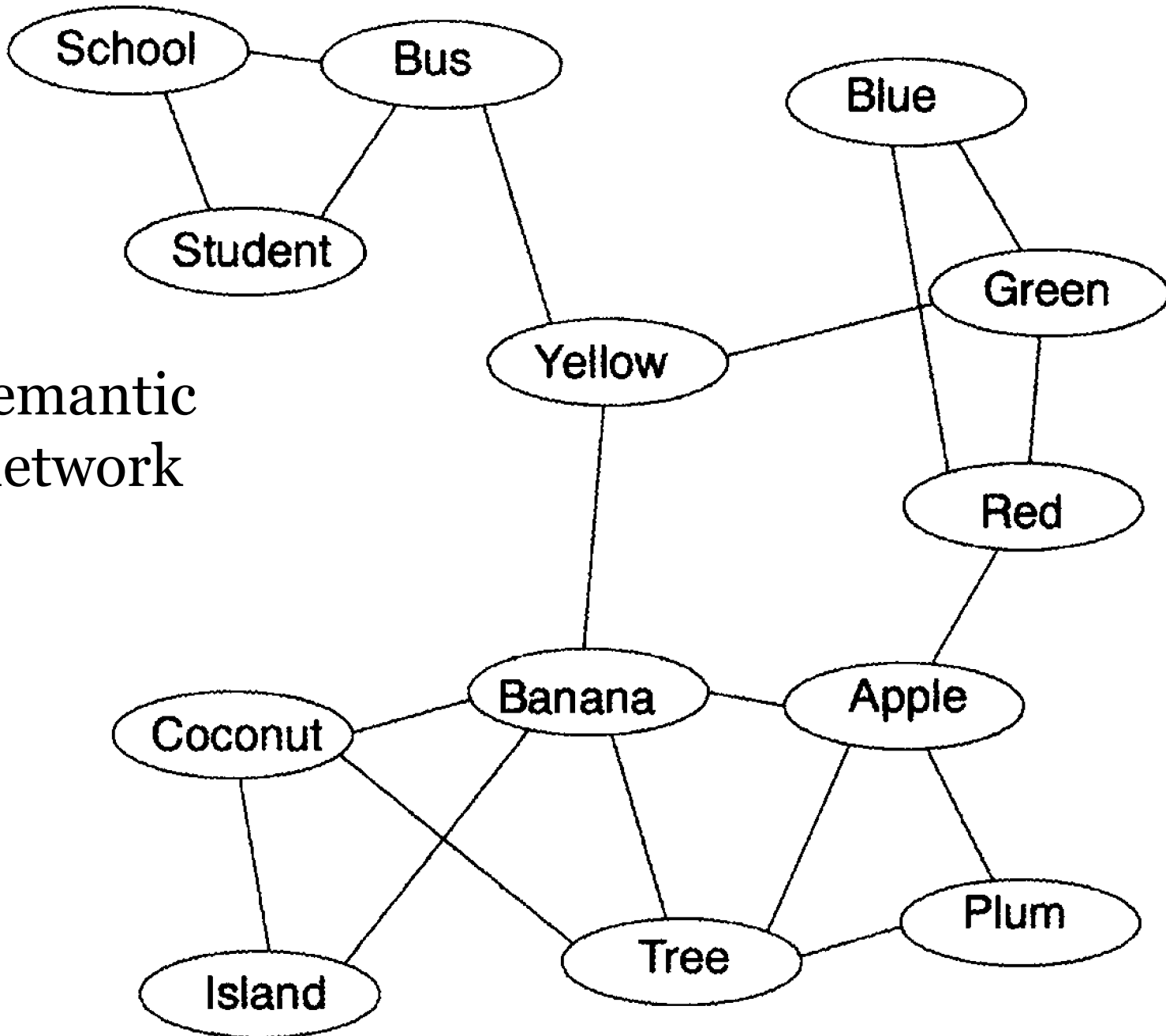
current
agents

“interesting”
characters

conflict
creation

cognitive
convergence

Semantic network



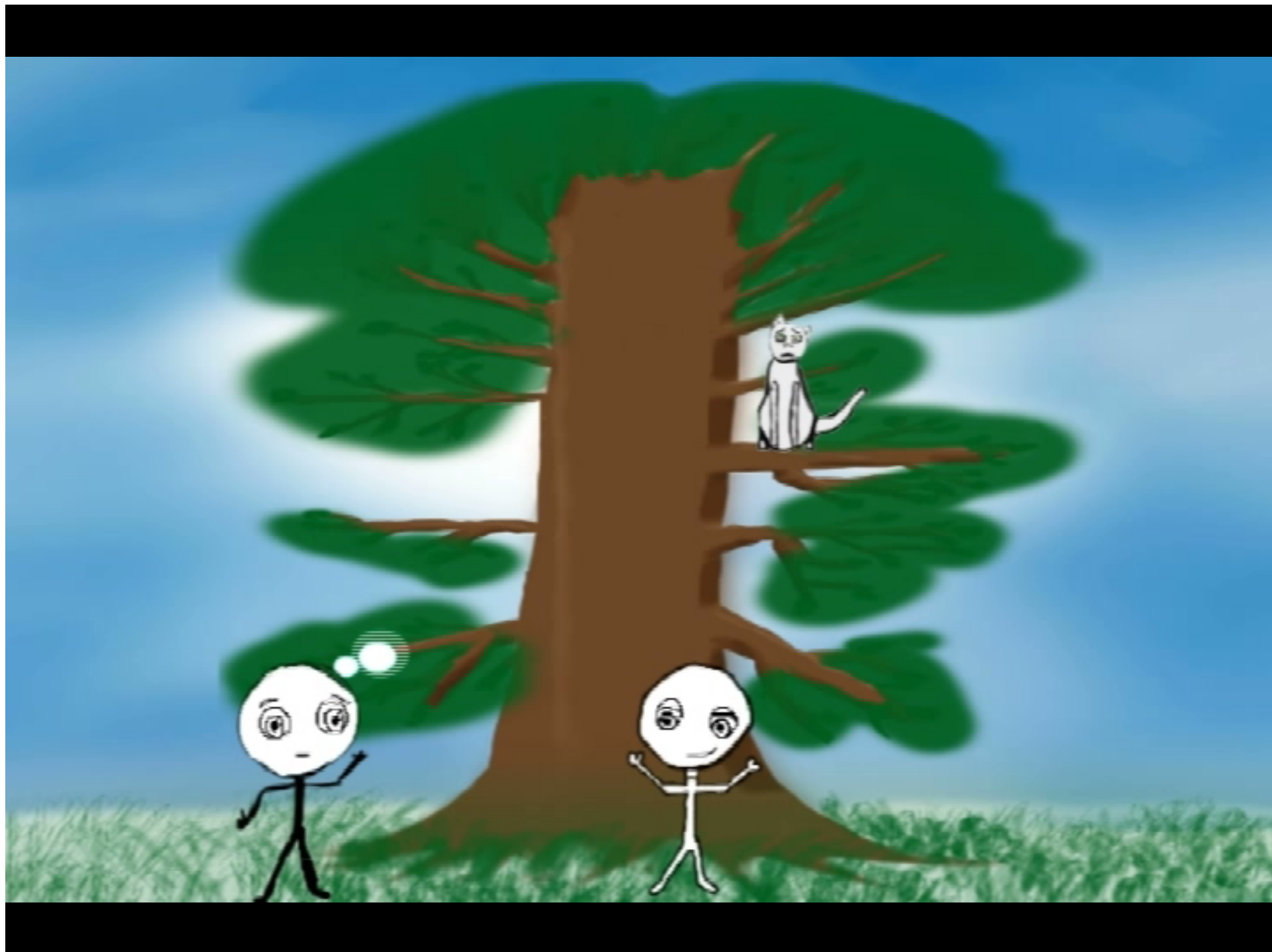
fuzzy
agents



	Wears Crown	Has Sword	Drinks Rum	Has Beard
King	1	0.75	0.4	0.6
Pirate	0.1	0.9	0.9	0.8
Ninja	0	0.8	0.1	0.1
Wizard	0	0.3	0.2	0.75



micro-agent
examples





Select Character King

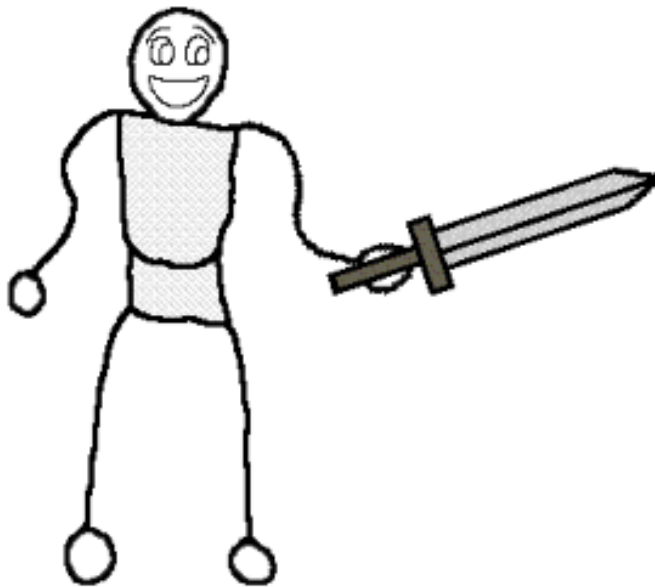
Interesting



Technique

Opposing

Generate Character





nuggets

implementation

Soar used in
narrative
development

fuzzy logic useful
across agents



coal

synthesis across agents

fuzzy logic != silver bullet

more formal theory left to build

more micro-agents left to build

Soar-FL?



thanks

nsf creativeIT

adam lab

magerko@gatech.edu

<http://adam.lcc.gatech.edu>