Review #4

Proposal Number:	0705154
Performing Organization:	Pace University
NSF Program:	Robust Intelligence
Principal Investigator:	Benjamin, David P
Proposal Title:	RI: Collaborative Research: Cognitive Robots: Integrating Perception, Language and Problem Solving in Behavior-based Robots
Rating:	Fair

REVIEW:

What is the intellectual merit of the proposed activity?

The proposed research aims to develop a robot that can speak and understand spoken language, see, respond to emotion and learn, etc. It aims to develop a robot architecture that is capable of robust behavior in unstructured environments, and can do problem solving and planning, learning from experience, novel methods of perception, comprehension of natural language, etc.

What are the broader impacts of the proposed activity?

The broader impact of the proposed research include multi-university collaboration between researchers in robotics and researchers in cognition and linguistics, development of new interdisciplinary courses, broadening access to advanced research for underrepresented groups, wide dissemination of results, etc.

Summary Statement

The intellectual merit and the broader impact are summarized above. Although the aim of the project is very important, the details in the proposal are not very convincing. For example: How exactly Rs-SOAR will do planning? Has planning using SOAR shown to be better than other planning systems?

Also it seems that the investigators of the proposed research have a less stronger record than the investigators of the other proposals.