Proposal Status | MAIN

Organization: Pace University New York Campus

Review #6

Proposal Number:	0710790
Performing Organization:	Pace University
NSF Program:	Robust Intelligence
Principal Investigator:	Benjamin, David P
Proposal Title:	Cognitive Robot Schemas: Integrating Perception, Language and Planning in a Mobile Robot
Rating:	Fair

REVIEW:

What is the intellectual merit of the proposed activity?

ò How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields? The concepts proposed sound interesting. However, no open problem in robotics is addressed. In fact no open problem is specified at all. I would like to see one concrete example û perhaps this would make the proposal readable.

ò How well-qualified is the proposer (individual or team) to conduct the project? (If appropriate, comment on the quality of prior work.). The PI seems well qualified.

ò To what extent does the proposed activity suggest and explore creative and original concepts? The concept behind ADAPT appears to be original. However, how ADAPT will be used is unclear.

ò How well-conceived and organized is the proposed activity? Not well conceived.

ò Is there sufficient access to the necessary resources? Yes.

What are the broader impacts of the proposed activity?

ò How well does the activity advance discovery and understanding while promoting teaching, training, and learning? Very well.

ò How well does the proposed activity broaden the participation of underrepresented groups (such as gender, ethnicity, disability, geography)? Underrepresented female researchers are involved.

ò To what extent will it enhance the infrastructure for research and education, such as facilities, instrumentation, networks, and partnerships? To some extent.

ò Will the results be disseminated broadly to enhance scientific and technological understanding? Yes.

ò What may be the benefits of the proposed activity to society? Successfully Integrating Language, Vision, actions, emotions and learning into a robotic system would certainly be of significant benefit.

Summary Statement

The ideas behind ADAPT are interesting. However, because no clear research agenda is put forward, it is difficult to judge what exactly the PI is proposing to do and how it will be tested.

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