



WARRIOR INNOVATIONS

Call for Innovation (CFI)

Opportunities for Member Consideration

Objective:

The EDGE Network is requesting Member collaboration to identify speech recognition technologies for an immediate need aligned to the Ground Soldier Equipment (GSE) competition sponsored by Project Manager – Soldier Warrior (PM SWAR). Other potential applications include: Land Warrior, Law enforcement, Homeland security, and other Military opportunities.

Requested Innovation:

The focus of this Call for Innovation (CFI) is to demonstrate promising voice understanding technologies for mounted and dismounted soldier platforms. Speech understanding technology includes: voice control, speech recognition, speech transcription, and speech translation for mounted and dismounted warfighters.

Description:

Human Machine Interaction (HMI) by voice has great potential to increase warfighter effectiveness. This effort is focused on providing reliable voice understanding technologies to the warfighter. The following speech understanding technologies are sought for both Linux and Windows based systems operating in a battlefield environment:

1. Voice Control
2. Voice Recognition
3. Speech Transcription
4. Speech Translation

Note that the above technologies include speech-to-text, speech-to-speech, text-to-text, full and/or partial vocabularies, and “canned” phrases. And for this CFI, please identify any known dependencies on hardware and environmental conditions.

Targeted Timelines:

- *Confirmation of Interest in CFI no later than 17 October 2008
- * Overview/Whitepaper on Technology Concept by 24 October (Prefer the delivery of white paper to be delivered with CFI intent on 17 October)
- * One-on-One discussions on technology and capability demo with The EDGE Network Team – 30 October

EDGE CFI Focal: Terence Winn – Terence.winn@gdc4s.com

Responses due to: info@EDGEwarrior.com