



You are cordially invited to submit a proposal for the **2012 Robotics Rodeo**, co-hosted by the U.S. Army Tank Automotive Research, Development and Engineering Center (TARDEC) and the Maneuver Battle Lab in Fort Benning, GA, May 7-18. The purpose of the Robotics Rodeo is to 1) Demonstrate emerging robotic technologies that address capability gaps that are synchronized with Science and Technology challenges and Warfighter Outcomes. 2) Identify and recommend robust solutions for further experimentation.

Due to limited time available for demonstrations, proposal submissions will go through a down select process. Demonstrations do not serve as a competition or sole source justification; instead, act as market research for available technologies currently at a technology readiness level (TRL) 6 or higher.

TARDEC will be hosting an **Industry Day** for the 2012 Robotics Rodeo. This informational meeting will take place in the building 200 auditorium at the Detroit Arsenal, MI, September 26, 2011 from 2 – 4 p.m. (EDT) and will be limited to 300 U.S. citizens, with no more than three members from each organization. The meeting will provide a forum for questions related to the event and an explanation of the submission process.

If you are interested in attending, please send notification to DAMI_RoboticsRodeo@conus.army.mil with “Robotics Rodeo Industry Day” in the subject line. In the body of the e-mail, please include attendee’s full legal name(s), e-mail addresses, phone numbers and company/organization names. Please allow approximately 30 minutes to pass through Detroit Arsenal security when planning your travel to Industry Day on September 26.

The theme for this year’s Rodeo is support for the Combat Outpost (COP). We are looking for robotic technologies that demonstrate the capability to:

- Deploy
- Setup
- Protect
- Sustain
- Relocate

These areas of interest will be demonstrated within three scenario vignettes.

Vignette #1 **Corral** -“Setup, Deploy, and Relocate”: The robot must autonomously establish a hasty prone fighting position on a section of a combat outpost perimeter based on locations provided by an operator.

Vignette #2 **Gunslinger** -“Protect”: The robot must identify and alert the operator of hostile activity within a defined area, and then acquire and track those moving targets.

Vignette #3 **Wagon Train** -“Sustain”: The robot must autonomously navigate to designated multiple locations and autonomously unload materiel in a specified order upon arrival.

Market Research Not Source selection