

2012 GROUND ROBOTICS CAPABILITIES CONFERENCE & EXHIBITION

CALL FOR POSTERS

You are invited to participate in a poster session to be held March 21-23, 2012 at the NDIA Ground Robotics Capabilities Conference & Exhibition in San Diego, CA. Space is limited, so participation will be limited.

Interested candidates should upload their poster abstracts by **COB January 20, 2012** via the NDIA website at the following link and complete all required information: <http://application.ndia.org/abstracts/2380>

The Department of Defense recently published its Ground Robotics Vision of establishing an integrated manned/unmanned force that strengthens the United States as the world's preeminent land power. To achieve this vision, there are four main goals that need to be achieved: Focused Technology; Balanced Requirements; A Compelling Return on Investment; Streamlined Acquisition.

The purpose of the 2012 Conference is to provide a forum for Industry and Government to have an honest dialogue for identifying the technologies that will be able to meet the future needs of the Warfighter. This year's Conference will answer the question of "What Will it Take to Achieve the Vision?"

Each poster presenter will be provided a backdrop which is used to display the poster. The size of the backdrop is 4'x8' and is horizontal. Poster presenters must be at their poster during the receptions and scheduled breaks at a minimum. The poster must be attached to the bulletin board no later than 3:00 PM on Wednesday, March 21, 2012 and should remain in place until 12:00pm on Friday, March 23, 2012. Each individual participating in the poster session must also register.

For additional information, or clarification, please visit www.ndia.org/meetings/2380 and select the red "Agenda" tab to view the Call for Poster Instructions and Poster Session Guidelines.

This is an excellent opportunity for you to expose your technology to Government customers and potential partners, including major national defense contractors and defense robotics OEMs. Remember, space is limited, so get your abstract in as soon as possible.

CALL FOR DEMONSTRATIONS OF CUTTING-EDGE ROBOTIC SYSTEMS

The development of new and innovative technologies is occurring on a daily basis in large and small companies, and universities across the country, all known for their robotics expertise. This truly is an exciting time for the ground robotics community. The Ground Robotics Capabilities Conference provides the preeminent opportunity to display your products to an audience of the leading decision makers in government and industry. Demonstrate your technologies to leaders in the field of development, acquisition and procurement, to experienced users and Warfighters, first responders and law enforcement. Take advantage of this unique opportunity to gain direct feedback from senior officials responsible for providing improved capabilities to those entrusted with our country's safety in the fields of defense, security, logistics, medical support, hazardous disposal, homeland security, training and education.

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Demonstrations of new, innovative robotic technologies will be held on the afternoon of Thursday, March 22, 2012, during the Ground Robotics Capability Conference and Exhibition in San Diego, CA. It is anticipated that up to 8 systems will be demonstrated.

The guidelines for a proposed demonstration are:

INDOOR DEMONSTRATIONS

- ▶ The robot must be able to safely operate within a 20' x 30' area.
- ▶ Demonstrations should be no longer than 15 minutes.
- ▶ The demos must be accompanied by an MC, who can accurately describe to the audience what they are watching.

OUTDOOR DEMONSTRATIONS

- ▶ The robot must be able to safely operate within a 40' x 70' area.
- ▶ Demonstrations should be no longer than 15 minutes.
- ▶ The demos must be accompanied by an MC, who can accurately describe to the audience what they are watching.

Interested organizations should upload their demonstration concepts by **COB January 31, 2012** via the NDIA website at the following link and complete all required information: <http://application.ndia.org/abstracts/2380>

Concepts should include:

- ▶ Brief description of the proposed robot demonstration.
- ▶ Responses to the following questions:
 - i) What is the minimal area (ft x ft) required to set up in the staging area?
 - ii) Will the robot be able to be shut down quickly in case there are radio conflicts? If so, what is the time to re-boot the robot?
 - iii) Is the robot or OCU battery-powered or shore-powered? If shore-powered, what are the power requirements (volts, max amps)?
Please provide details on the robot's power needs and its basic operation.
 - iv) Is there an emergency-stop for the robot that cuts the main power to all drive motors on the robot?
 - v) Are any props required for your proposed demonstration?
 - vi) Is the proposed demo for the indoor or outdoor arena?
- ▶ Video of the proposed robot in action. Videos cannot be uploaded via the web site, so please contact Taryn Crowder at tcrowder@ndia.org to arrange a delivery method.
- ▶ POC: Name, organization, email, and phone number.

Notifications of selection will be sent to organizations the week of February 13, 2012. Please note, for any organizations not selected to participate during the main demonstrations, "free swim" sessions will be available on a first-come-first-serve basis when the Robot Arenas are not in use.

QUESTIONS?

Any technical questions regarding the demos should be directed to Jorgen Pedersen, NDIA Robotics Division Vice Chair, at jorgen.pedersen@resquared.com

Any exhibit or sponsorship questions should be directed to Mary Anna Christiansen, Exhibit Manager, at 703-247-2584 or email mchristiansen@ndia.org.

Conference logistics questions should be directed to Taryn Crowder, Associate Director, Operations, at tcrowder@ndia.org or 703-247-9478.