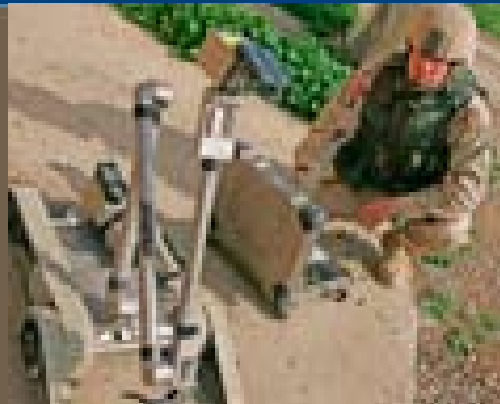


2008 GROUND ROBOTICS CAPABILITIES CONFERENCE & EXHIBITION

“Into the Hands of the Warfighter”

THE PREMIER FORUM DEVOTED EXCLUSIVELY TO UNMANNED GROUND SYSTEMS AND TECHNOLOGIES.....

- ▶ Hear from an impressive array of speakers from throughout the unmanned ground systems community
- ▶ Network with decision makers within the federal government, industry and academia
- ▶ Participate in your choice of sessions designed to map future unmanned systems development paths



**March 3 - 6, 2008
San Antonio, TX**

<http://www.ndia.org/meetings/8380>

Event # 8380



CONFERENCE OBJECTIVE

The purpose of this conference is to bring together warfighters and homeland security users, technology developers (government and industry), and acquisition professionals to address increased responsiveness to user's needs. This conference will also provide a forum for sharing ideas and methodologies to provide U.S. forces with unmanned ground technologies. The conference is intended to foster creation of a series of panels and speakers will present a wide array of thought provoking insights from diverse perspectives. Multiple focused sessions will provide participants the opportunity to identify critical issues and needs, and develop practical steps for a path forward to resolve these issues.

WHO SHOULD ATTEND?

OPERATIONAL

- Tactical Users
- Requirements Generators
- Concepts Developers
- Trainers
- Logisticians

TECHNOLOGY

- Government laboratories, Industry and Academia focused on unmanned ground systems.
- Developers of peripheral technologies (power, controllers, manipulators, tools, sensors, miniaturization, etc.).



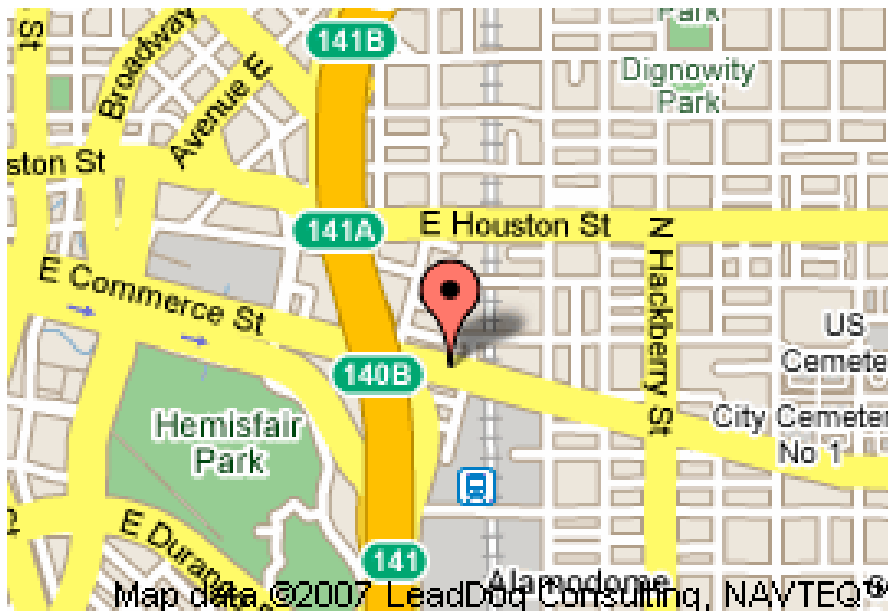
ment, industry and academia),
or the exchange of information,
ative "out of the box" thinking. A
ed breakout sessions will afford
issues.

2008 GROUND ROBOTICS CAPABILITIES CONFERENCE & EXHIBITION

MARCH 3 - 6, 2008

GRAND HYATT SAN ANTONIO

Situated on the banks of the Riverwalk, the new Grand Hyatt San Antonio hotel presents contemporary style and an entirely new level of comfort, luxury and convenience among San Antonio hotels. The Grand Hyatt is adjacent to the San Antonio Convention Center and provides stunning views of downtown San Antonio and HemisFair Park.



SAN ANTONIO, TX

OTHER LOCAL POINTS OF INTEREST

Henry B. Gonzalez Convention Center—Adjacent to the Grand Hyatt Hotel

River Walk (Paseo Del Rio)—Adjacent to the hotel

HemisFair Park—1 block from the hotel

IMAX Theater—1 block from the hotel

Shops at La Villita Arts Village—1 block from the hotel

River Center Mall—1 block from the hotel

The Alamo—3 blocks from the hotel

Market Square (El Mercado)—½ mile from the hotel

AT&T Center—2 miles from the hotel

San Antonio Zoo—4 miles from the hotel

Fiesta Texas—15 miles from the hotel

Sea World®—15 miles from the hotel

ABOUT NDIA

NDIA'S VISION

America's leading Defense Industry association promoting National Security

NDIA'S MISSION

ADVOCATE: Cutting-edge technology and superior weapons, equipment, training, and support for the War-Fighter and First Responder

PROMOTE: A vigorous, responsive, Government – Industry National Security Team

PROVIDE: A legal and ethical forum for exchange of information between Industry and Government on National Security issues

NDIA'S MOTTO

Strength through Industry and Technology

NDIA provides its members and customers broad outreach and sector coverage through its chapters, technical, policy, and war-fighting divisions, and the complimentary missions of its affiliate

DOD APPROVAL

The Department of Defense finds this event meets the minimum regulatory standards for attendance by DoD employees. This finding does not constitute a blanket approval or endorsement for attendance. Individual DoD Components commands or organizations are responsible for approving attendance of DoD employees based on mission requirements and DoD regulations.



WORKING GROUP DESCRIPTIONS

WORKING GROUP B:

SMALL BUSINESS ISSUES:

A continuing area of concern among small businesses is how to become involved in the DoD acquisition process. The focus of this break out session will be to identify the key issues faced by small, non-traditional businesses and develop courses of action for both industry and the government to overcome these issues.

WORKING GROUP C:

TECHNOLOGY "LONGPOLES":

The successful demonstration of first generation ground robots in defense and commercial applications has been witnessed by all. As these amazing vehicles are tasked to do more, this session will identify what the next level of robotic performance should be, especially in the areas of affordability, R&M, and manufacturability, what technologies will need to be developed to achieve this level of performance, and what steps need to be taken to develop the technology.

WORKING GROUP D:

GROUND ROBOTICS IN HOME- LAND DEFENSE:

This session will focus on robotics in the NORTHCOM mission areas. The session will assess the impacts that robotics have on their mission areas, the need for advanced robotic technologies, and the development of plans for obtaining these capabilities.

MONDAY, MARCH 3

- 3:00-6:30 PM Onsite Registration
- 5:00-6:30 PM Grand Opening Reception in Exhibit Hall

TUESDAY, MARCH 4

- 7:00 AM Continental Breakfast/Registration
- 8:00 AM Opening Remarks – *Mr. David Ahern*, Director, Portfolio Systems Acquisition, Acquisition, Technology and Logistics, OUSD
- 8:30 AM Keynote Speaker – *GEN Paul Kern, USA (Ret)*
- 9:00 AM Guest Speaker – *BG Irardi, (JTF-N CG)*
- 9:30 AM Break in Exhibit Hall
- 10:00 AM OSD Ground Robotics Update – *Mrs. Ellen Purdy*, Director, Joint Ground Robotics Enterprise, Acquisition, Technology and Logistics, OUSD
- 10:30 AM Keynote Panel – Warfighter Perspective / Needs
- Chair - *COL Russell Hrdy, USA*, Deputy Director, US Army Armament Research and Development Center
- 12:00 PM Lunch
- 1:30-5:00 PM TRACK A - Paper Presentations (Paper order is subject to change)
- Intelligent Modular Manipulation for Mobile Robots, *Mr. Jorgen Pedersen*
- Robotics and the Law of War, *COL Richard Jackson, USA (Ret)*
- Virtual Autonomous Navigation Environment (VANE), *Mr. Randolph Jones*
- Improving Endurance of Unmanned Ground Vehicles, *Mr. John Hart*
- Understanding the Benefits and Limitations of Autonomy for Critical UGV Tactical Operations, *Mr. David Bruemmer*
- Improving Reliability of EOD Robots with Systems Health Management, *Mr. Chris Rogan P.E.*
- 1:30-5:00 PM Working group B – Small Business Issues
- Working group C – Technology “Longpoles”
- Working group D – Ground Robotics In Homeland Defense
- 5:00-6:00 PM Reception in Exhibit Hall
- 6:00-8:00 PM Banquet Dinner

WEDNESDAY, MARCH 5

7:00 AM	Continental Breakfast/Registration
8:00 AM	Opening Remarks
8:15 AM	Keynote Speaker – <i>Mr. Rodney Brooks</i> , iRobot
9:00 AM	Guest Speaker – Automotive Company
9:30 AM	Break in Exhibit Hall
10:00 AM	Keynote Panel – International
12:00 PM	Lunch
1:30 – 5:00 PM	TRACK E - Paper Presentations (Paper order is subject to change)
	Army Combat Casualty Care Collaborative Robotics & Telerobotics for Multiple Missions, <i>Dr. Gary Gilbert, PhD</i>
	Effective User Interfaces for Human-Robot Collaboration in Dismounted Operations, <i>Dr. Candace Sidner</i>
	AEOQRS - The Fourth Generation EOD Robot, <i>Mr. Byron Brezina</i>
	Supporting Robotics in a War Environment, <i>Mr. Jerry Decker</i>
	Optimal Search Strategies for Teams of UXO Hunting Robots, <i>Mr. Stephen Tully</i>
	Intelligent Radios with Integrated Video for Ground Robotics, <i>Mr. Ricky Houghton</i>
1:30 – 5:00 PM	Working Group F – Combat Support/Combat Service Support Issues
	Working Group G – Operational Issues/Challenges
	Working Group H – Interoperability
4:00 PM	Exhibits Close
5:00 PM	Adjourn for the day

THURSDAY, MARCH 6

7:00 AM	Continental Breakfast/Registration
8:00 AM	Opening Remarks
8:15 AM	Keynote Speaker – <i>Mr. Richard Rumpf</i> , Former Acting Assistant Secretary of the Navy for Research, Engineering and Systems; Rumpf Associates International
9:00 AM	Tracks B-D and F-H Working Sessions Results
11:30 AM	Conference Wrap-up
12:00 PM	Conference Adjourned

WORKING GROUP DESCRIPTIONS

WORKING GROUP F:

COMBAT SUPPORT/COMBAT SERVICE SUPPORT ISSUES:

Much of the focus for today's unmanned systems technologies is on the critical need to defeat IEDs. The focus of this break out session will be to identify potential uses of unmanned systems to support CS/CSS mission areas and the associated technologies, and develop courses of action to increase the speed with which these capabilities can be provided to the Warfighters.

WORKING GROUP G:

OPERATIONAL ISSUES/CHALLENGES:

This session will have multiple topics, ranging from the laws of armed conflict to instilling trust in the use of unmanned systems to the need for full autonomy. Each of these topics, among others, will be assessed and steps developed to overcome them.

WORKING GROUP H:

INTEROPERABILITY:

The importance of interoperability continues to grow as more unmanned systems – including ground, air, sea, and underwater vehicles – are fielded. Most visibly, the Joint Architecture for Unmanned Systems (JAUS) and NATO's Standardization Agreement "STANAG" 4586 enjoy considerable attention. An examination of interoperability standards for unmanned systems is the focus of this breakout session, as well as developing a path forward for achieving these roles.

EXHIBIT FLOOR PLAN

EXHIBITOR INFORMATION

To reserve a booth online go to the NDIA web site: <http://exhibits.ndia.org>. If you have questions, please contact Ms. Alden Davidson, Exhibits Manager at phone: (703) 247-2582; email: adavidson@ndia.org.

Exhibitors please note: Each company gets two full conference registrations with each 10x10 booth. If you are supposed to be registered as exhibit personnel, please verify with Alden Davidson to check on your badges. After the two complimentary registrations have been taken, you will need to register on the conference side for your badge.

EXHIBIT HOURS

Monday, March 3, 2008

5:00 PM - 6:30 PM

Tuesday, March 4, 2008

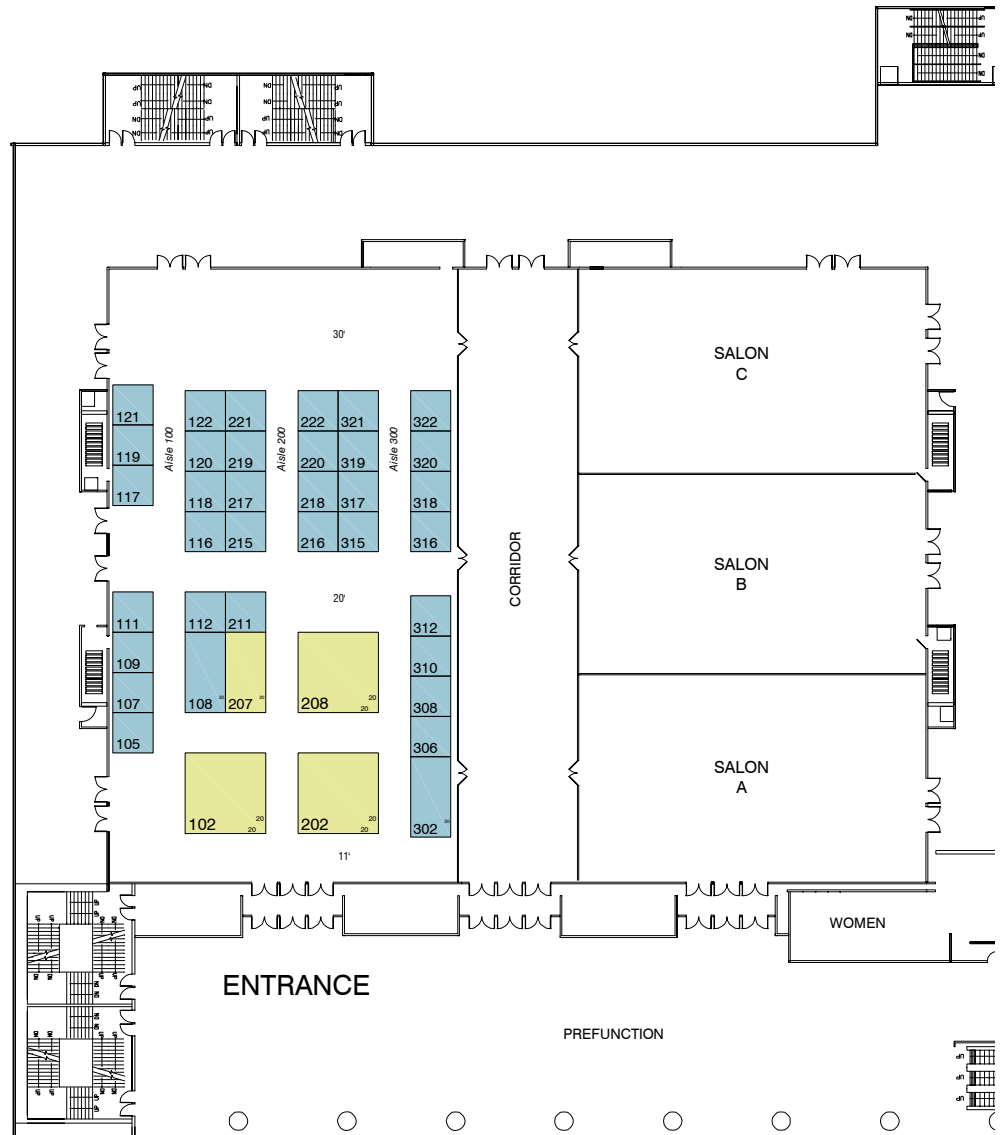
9:00 AM - 6:00 PM

Wednesday, March 5, 2008

9:00 AM - 4:00 PM

Visit the following web link to purchase a booth:

<http://exhibits.ndia.org/exhibits/8380>



Rev. 11/14/07

Texas Ballroom D/E/F

51-10x10 booths

Aisle widths 8' unless noted

SPONSORSHIP INFORMATION

GRAND OPENING RECEPTION SPONSOR (AVAILABLE TO 2 SPONSORS):

Investment: \$10,000 each (Monday only)

TUESDAY NIGHT RECEPTION AND BANQUET DINNER SPONSOR (AVAILABLE TO 2 SPONSORS):

Investment: \$10,000 each (Tuesday only)

CONTINENTAL BREAKFAST SPONSOR (AVAILABLE TO 3 SPONSORS):

Investment: \$6,000 each (Tuesday, Wednesday, and Thursday)

LUNCH SPONSORSHIP (AVAILABLE TO 1 ADDITIONAL SPONSOR):

Investment: \$9,000 each (Tuesday Lunch Sponsorship sold to Foster-Miller, Inc.)

ATTENDEE EXECUTIVE PADFOLIO SPONSORSHIP (LIMITED TO ONE SPONSOR):

Investment: \$6,000 (if Sponsor provides insert) \$7,000 (if NDIA provides insert)

COFFEE BREAK SPONSORSHIP (AVAILABLE TO 2 SPONSORS):

Investment: \$3,000 each (Tuesday and Wednesday morning)

INTERNET CAFÉ SPONSORSHIP (LIMITED TO ONE SPONSOR):

Investment: \$5,000 for all four days

LANYARDS:

What better way to market your company everyday of the conference than to have your logo printed on lanyards which will hold name badges for the attendees and exhibitors.

Investment: \$3,000

LITERATURE INSERT SPONSORS: (available to three sponsors): Inserting 300, one page flyers into all the attendee padfolios (if available) or handed out with the on-site agenda is a great way to promote a new product or service. Company provides the promotional flyer materials.

Investment: \$2,000 (If NDIA prints the insert, investment increases to \$2,500)

To receive more information please contact Alden Davidson, Exhibits and Sponsorships Manager, at 703-247-2582 or email: adavidson@ndia.org or Laura Hoover, Sponsorship Manager, at 804-437-3773 or email: lhoover@ndia.org.

HOTEL INFORMATION

Please use the following link to make your reservations at the Grand Hyatt San Antonio:

https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=54994f&fromResdesk=true

You can also find this link on the NDIA website at www.ndia.org/meetings/8380. (when making your reservations via the above link click on "Search Available Rooms" then select either "Government" or "Industry" under the pull down menu).

An access code is not required to make a hotel reservations however you will have to show active duty or civilian government identification when you check into the hotel.

NDIA personal will monitor the block for reservation accuracy. Rooms will not be held after Thursday, February 14, 2008 and may sell out before then. Rates are also subject to increase after this date. The current per diem rate at the Grand Hyatt San Antonio is \$112 plus \$25 for each additional person. The industry room rate is \$189 for single occupancy and \$214 for double occupancy.

Please visit www.gsa.gov for more information on the government per diem rates.

CONFERENCE REGISTRATION FEES	EARLY (UNTIL 1/18)	REGULAR (1/19-2/15)	LATE AFTER (2/15)
GOVERNMENT/ ACADEMIA/ ALLIED GOV.	\$550	\$605	\$665
INDUSTRY NDIA MEMBER	\$745	\$820	\$895
INDUSTRY NON-NDIA MEMBER	\$795	\$875	\$965

REGISTRATION - THERE ARE THREE WAYS TO REGISTER

ONLINE

Our preferred method of registration is online. Please visit www.ndia.org/meetings/8380 to register online.

FAX

Register via fax by completing the Registration Form and faxing it to (703) 522-1885. Please do not fax any registrations after February 15, 2007. After this date, please bring your completed registration form with you to the conference to register on-site.

MAIL

Registration Forms may be mailed to: NDIA, Event #8380, 2111 Wilson Blvd., Suite 400, Arlington, VA 22201. Please do not mail any registrations after February 15. After this date, please bring your completed registration form with you to the conference to register on-site or register online. Registrations will not be taken over the phone. Payment must be made at the time of registration.

CANCELLATIONS

Cancellations before 01/18/08 receive a full refund. Cancellations between 01/18/08 - 02/15/08 receive a refund minus a \$75 cancellation fee. No refunds for cancellations received after 2/15/08. Cancellations must be made in writing to Phyllis Edmonson via email at pedmonson@ndia.org. Substitutions welcome in lieu of cancellation!

SPECIAL NEEDS

NDIA supports the Americans with Disabilities Act of 1990. Attendees with special needs should contact Phyllis Edmonson, Meeting Planner, at (703) 247-2577, or via e-mail at pedmonson@ndia.org.

CONFERENCE ATTIRE

Appropriate dress for this conference is coat and tie for civilian and uniform of the day for military.

EVENT #8380 ► NDIA REGISTRATION FORM



NATIONAL DEFENSE INDUSTRIAL ASSOCIATION ► 2111 WILSON BOULEVARD, SUITE 400
ARLINGTON, VA 22201-3061 ► (703) 522-1820 ► (703) 522-1885 FAX ► WWW.NDIA.ORG

2008 GROUND ROBOTICS CAPABILITIES CONFERENCE & EXHIBITION ► GRAND HYATT SAN ANTONIO HOTEL
SAN ANTONIO, TX MARCH 3-6, 2008

3 Ways to sign up: 1. Online with a credit card at www.ndia.org Address change needed
2. By fax with a credit card — Fax: 703-522-1885
3. By mail with a check or credit card

NDIA Master ID/Membership # _____ Social Security # _____
(if known—hint: on mailing label above your name) *(last 4 digits – optional)*

Prefix _____
(e.g. RADM, COL, Mr., Ms., Dr., etc.)

Name First _____ MI _____ Last _____

Military Affiliation _____ Nickname _____
(e.g. USMC, USA (Ret.) etc.) *(for Meeting Badges)*

Title _____

Organization _____

Street Address _____

Address *(Suite, PO Box, Mail Stop, Building, etc.)* _____

City _____ State _____ Zip _____ Country _____

Phone _____ ext. _____ Fax _____

E-Mail _____

Signature* _____ Date _____

Preferred way to receive information

Conference information address above Alternate *(print address below)* E-mail

Subscriptions address above Alternate *(print address below)*

Alternate Street Address _____

Alternate Address *(Suite, PO Box, Mail Stop, Building, etc.)* _____

City _____ State _____ Zip _____ Country _____

** By your signature above you consent to receive communications sent by or on behalf of NDIA, its Chapters, Divisions and affiliates (NTSA, AFEI, PSA, NCWG, WID) via regular mail, e-mail, telephone, or fax. NDIA, its Chapters, Divisions and affiliates do not sell data to vendors or other companies.*

CONFERENCE REGISTRATION FEES	Early (before 01/18/08)	Regular	Late (after 02/15/08)
Government/Academia/Allied ¹	<input type="checkbox"/> \$550	<input type="checkbox"/> \$605	<input type="checkbox"/> \$665
Industry NDIA member and affiliates (AFEI, NTSA, PSA, WID)	<input type="checkbox"/> \$745	<input type="checkbox"/> \$820	<input type="checkbox"/> \$895
Industry non-NDIA member ²	<input type="checkbox"/> \$795	<input type="checkbox"/> \$875	<input type="checkbox"/> \$965

Cancellations before 01/18/08 receive a full refund. Cancellations between 01/15/08-02/15/08 receive a refund minus a \$75 cancellation fee. No refunds for cancellations received after 02/15/08. Substitutions welcome in lieu of cancellations!

¹ Includes a free three-year NDIA membership and subscription to National Defense magazine for military and government employees (first time members only). No, do not sign me up for the Government membership.

² Includes a free one-year NDIA membership and subscription to National Defense magazine.

PAYMENT OPTIONS

Check (Payable to NDIA - Event #8380) Government PO/Training Form #

VISA MasterCard American Express Diners Club Cash

If paying by credit card, you may return by fax to (703) 522-1885.

Credit Card Number _____ Exp. Date _____

Signature _____

By completing the following, You Help Us Understand Who Is Attending Our Meetings.

PRIMARY OCCUPATIONAL CLASSIFICATION. Check ONE.

- A. Defense Business/Industry
- B. R&D/Laboratories
- C. Army
- D. Navy
- E. Air Force
- F. Marine Corps
- G. Coast Guard
- H. DOD/MOD Civilian
- I. Government Civilian (Non-DOD/MOD)
- J. Trade/Professional Assn.
- K. Educator/Academia
- L. Professional Services
- M. Non-Defense Business
- N. Other

CURRENT JOB/TITLE/POSITION. Check ONE.

- A. Senior Executive
- B. Executive
- C. Manager
- D. Engineer/Scientist
- E. Professor/Instructor/Librarian
- F. Ambassador/Attaché
- G. Legislator/Legislative Aide
- H. General/Admiral
- I. Colonel/Navy Captain
- J. Lieutenant Colonel/Commander/Major/Lieutenant Commander
- K. Captain/Lieutenant/Ensign
- L. Enlisted Military
- O. Other

Year of birth _____

QUESTIONS, CONTACT:

Ms. Phyllis Edmonson,
Meeting Planner

Phone: (703) 247-2577

E-mail: pedmonson@ndia.org

Mail Registration To:
NDIA - Event #8380
2111 Wilson Boulevard
Suite 400
Arlington, VA 22201



NATIONAL DEFENSE INDUSTRIAL
ASSOCIATION

2111 WILSON BOULEVARD, SUITE 400

ARLINGTON, VA 22201-3061

(703) 522-1820

(703) 522-1885 FAX

WWW.NDIA.ORG

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POSTAGE

2008 GROUND ROBOTICS CAPABILITIES CONFERENCE & EXHIBITION

TO REGISTER, VISIT:

WWW.NDIA.ORG/MEETINGS/8380