2009 INSENSITIVE MUNITIONS AND ENERGETIC MATERIALS TECHNOLOGY SYMPOSIUM

LOWER COST SOLUTIONS FOR 21ST CENTURY IM/EM REQUIREMENTS

MAY 11-14, 2009
LOEWS VENTANA CANYON RESORT • TUCSON, AZ
WWW.NDIA.ORG/MEETINGS/9550

EVENT #9550
TUCSON AREA INFORMATION AND LOEWS VENTANA CANYON RESORT

Things to do...
- Hiking
- Biking
- Military History Trips
- Horse Back Riding
- Rock Climbing
- Astronomy
- Golf
- Historic Anza Trail
- Site See Missions and Churches
- Shopping
- Arts
- And much more!

Visit http://www.visittucson.org/

Loews Ventana Canyon Resort...

Hotel Features:
- Spa and Tennis Center
- Two 18-hole, Fazio-designed PGA golf courses
- Two swimming pools with Jacuzzis
- Hiking, bicycle rentals, croquet court, ping-pong, and basketball

For more information on the Loews Ventana Canyon Resort, visit www.loewshotels.com/en/Hotels/Tucson-Resort/Overview.aspx
SPONSORSHIP OPPORTUNITIES AVAILABLE

RECEPTION SPONSOR (AVAILABLE TO 2 SPONSORS)........INVESTMENT: $7,500
- COMPANY LOGO AND LINK TO YOUR COMPANY ON EVENT WEB SITE
- COMPANY DESCRIPTION (300 WORDS) AND LOGO IN ON-SITE MATERIALS
- COMPANY NAME ON COCKTAIL NAPKINS AT THE RECEPTION
- HOSTED BAR AND HOR D’ŒUVRES FOR ATTENDEES
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE THROUGHOUT CONFERENCE

DINNER SPONSOR (AVAILABLE TO 2 SPONSORS)...............INVESTMENT: $10,000 @ OR $20,000 ALONE
- COMPANY NAME OR LOGO ON SIGNAGE AT EACH DINNER TABLE
- 15-SLIDE CONTINUOUS LOOP POWER POINT PRESENTATION TO BE SHOWN PRIOR TO DINNER SPEAKER
- COMPANY INFORMATION TO BE DISTRIBUTED WITH CONFERENCE MATERIALS
- COMPANY DESCRIPTION (500 WORDS) AND LOGO IN THE CONFERENCE ON-SITE MATERIAL
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE THROUGHOUT CONFERENCE

CONTINENTAL BREAKFAST SPONSOR (AVAILABLE TO 3 SPONSORS).......INVESTMENT: $8,000 PER BREAKFAST
- SPONSOR LOGO ON TENT SIGNS ON BUFFET TABLES FOR ONE BREAKFAST
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE AND THROUGHOUT CONFERENCE
- LOGO IN THE CONFERENCE ON-SITE MATERIALS

BREAK AREA SPONSOR (AVAILABLE TO 5 SPONSORS)......INVESTMENT: $4,000 PER BREAK
- LIGHT REFRESHMENTS FOR CONFERENCE ATTENDEES DURING BREAKS (TO INCLUDE COFFEE, TEA, SODAS AND WATER)
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE AND THROUGHOUT CONFERENCE
- LOGO IN THE CONFERENCE ON-SITE MATERIALS

LUNCH SPONSOR (AVAILABLE TO 2 SPONSORS).........INVESTMENT: $12,000 PER LUNCH
- COMPANY NAME OR LOGO ON SIGNAGE AT EACH LUNCH TABLE
- 10-SLIDE CONTINUOUS LOOP POWER POINT PRESENTATION TO BE SHOWN PRIOR TO LUNCHEON SPEAKER
- COMPANY DESCRIPTION (300 WORDS) AND LOGO IN THE CONFERENCE ON-SITE MATERIAL
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE THROUGHOUT CONFERENCE

FOR MORE INFORMATION ON SPONSORSHIP OPPORTUNITIES OR TO PURCHASE A SPONSORSHIP, PLEASE CONTACT JENNIFER HOECHST, MEETING PLANNER AT JHOECHST@NDIA.ORG
MONDAY, MAY 11

4:30 pm - 7:00 pm  REGISTRATION OPENS
5:30 pm - 7:00 pm  OPENING RECEPTION

TUESDAY, MAY 12

7:00 am - 8:00 am  CONTINENTAL BREAKFAST
8:00 am - 8:10 am  WELCOME REMARKS
   ▶ Conference Chair: Mr. Steven Nicolich, US Army RDECOM-ARDEC
8:10 am - 8:40 am  KEYNOTE ADDRESS
   ▶ Mr. Ron Carsten, Raytheon
8:40 am - 9:05 am  MSIAC AWARDS
   ▶ Mr. Patrick Touzé, MSIAC
9:05 am - 9:25 am  IM OVERVIEW
   ▶ Mr. Patrick Touzé, MSIAC
9:25 am - 9:40 am  DOD ORDNANCE TECHNOLOGY CONSORTIUM
   ▶ Mr Matthew Beyard, OSD-ATL
9:40 am - 10:00 am ANALYSIS OF THROW DISTANCE PRODUCED BY A SUB-DETONATIVE MUNITION RESPONSE
   ▶ Dr. Ernest Baker, US Army RDECOM-ARDEC
10:00 am - 10:30 am BREAK

2A- IM Systems I
Session Chair: Stephen Struck, USAF-Eglin

10:30 AM  Replacement of Octol with IM Explosive in SMAW HEAA Warhead
   Carrie Gonzalez, NSWC Indian Head Division
10:50 AM  Common Low-Cost Insensitive Munitions Explosive Replacement for Comp B
   Philip Samuels, US Army RDECOM-ARDEC
11:10 AM  120mm IMHE-T: Effective 120mm IM Solution
   Jason Gaines, General Dynamics-OTS
11:30 AM  Linear Demolition Charge Insensitive Munition (IM) Program
   Robert Hutcheson, NSWC, Indian Head Division
11:50 AM  The 155mm LU211 IM, an Example of IM Implementation
   Régis Aumasson, NEXTER Munitions

2B- Synthesis I
Session Chair: Andrew Sanderson, ATK

10:30 AM  Synthesis and Scale Up of Sym-Triaminotrinitrobenzene (Tatb) at Holston Army Ammunition Plant and Evaluation of PBXN-7 and PBXW-14
   David Price, BAE Systems OSI
10:50 AM  Towards The Synthesis of Organic Nanoenergetic Compositions
   Anne Keromnes-Wuillaume, CEA
11:10 AM  Process Improvement Studies for Scale-Up of HNS
   Jacob Morris, BAE Systems OSI
11:30 AM  Development Toward the Large Scale Synthesis of TEX
   Sarah Headrick, ATK
11:50 AM  Comparison Between Polymerization Techniques for Synthesis of Energetic Thermoplastic Elastomers
   Khalifa Alkaabi, University of Stellenbosch
12:10 pm - 1:40 pm  SIT DOWN LUNCHEON IN GRAND BALLROOM

3A- Modeling I
Session Chair: Ernie Baker, US Army RDECOM - ARDEC

1:40 PM Using a Single Phase FEM Code to Model Phase Change During SCO Analysis
    David Hunter, General Dynamics Ordnance and Tactical Systems

2:00 PM Modeling Fragmentation Performance of Insensitive Explosive Fragmentation Munitions
    Vladimir Gold, US Army RDECOM-ARDEC

    Nadège Duval, French MoD DGA/CAEPE

2:40 PM Safety Assessment Of Solid Rocket Motors
    Nicolas Couroneau, French MoD/DGA/CAEPE

3B- Processing I
Session Chair: Andrew Wilson, Esterline ARMTEC Defense

1:40 PM Press Technology of IHE Charges. A Cost Effective Manufacturing Method for IM.
    Richard Wild, Diehl BGT Defence

2:00 PM The Incorporation of New Refining Technologies Within the Existing Nitrocellulose Manufacturing Process at the Radford Army Ammunition Plant
    Zachary Higginbotham, Alliant TechSystems Inc.

2:20 PM Novel Manufacturing Process Development for the High-Blast Explosive PAX-3
    Brian Alexander, BAE Systems

2:40 PM Development And Optimization of a Production Scale Process for the Manufacture of IMX-101 Explosive at Holston Army Ammunition Plan
    Curtis Teague, BAE Systems OSI

3:00 pm - 3:20 pm  BREAK

4A- Explosive Formulations I
Session Chair: Paul Braithwaite, ATK

3:20 PM Advances in Cast Cure Explosives
    Robert Hatch, ATK Launch Systems

3:40 PM An Insensitive Substitute for Composition A 3
    Christian Spyckerelle, EURENCO

4:00 PM Development, Optimization, and Application of Combined Effects Explosives
    Wendy Balas, US Army RDECOM-ARDEC

4:20 PM GUNTOL - Melt Cast for IM
    Per Sjoberg, Eurenco Bofors AB

4:40 PM Development of Insensitive Aluminized Melt-Pour Explosive
    Virgil Fung, BAE Systems

4B- Technology Resources
Session Chair: Melissa Hobbs, GD-OTS

3:20 PM South African Navy Prioritisation of Ammunition for Insensitive Munitions (IM) THA and Characterisation
    Klaas Steyn, South African Navy

3:40 PM SA Navy 76mm Ammunition IM Evolution From Prioritisation to Tha to Characterisation and Finally to IM Compliance
    Cedric Brijraj, Armscor

4:00 PM DARTS & HEAT - Latest Components of The MSIAC IM Test Responses Databases Suite
    Pierre Archambault, MSIAC

4:20 PM TEMPER : 2009 Development Roadmap
    Emmanuel Lapébie, DGA/DET/CEG

4:40 PM Analyzing Production Processes of Energetic Materials Using Ultrasound Technology
    Rajen Patel, US Army RDECOM-ARDEC

5:30 pm - 6:30 pm  RECEPTION

6:30 pm  DINNER
Invited Guest Speaker: Dr. Peter Smith, University of Arizona, Phoenix Mars Mission
2009 IM/EM TECHNOLOGY SYMPOSIUM
AGENDA & PROGRAM INFORMATION

WEDNESDAY, MAY 13

7:00 am - 8:00 am  CONTINENTAL BREAKFAST

5A- Ingredients
Session Chair: Heather Gokee, NSWC- Indian Head
8:00 AM Novel Plasticizers for IM compliant Solid Propellants
Ana Racoveanu, Physical Sciences, Inc.
8:20 AM FOX-7, An IM Ingredient Candidate - Where are We Today?
Henric OEstmark, Swedish Defence Research Agency, FOI
8:40 AM Evaluation of R8002, an Alternate Energetic Plasticizer to BDNP A/F, for use in DOD Munitions
(Revised as of 3/17/09)
Lilia Mastov, US Army RDECOM-ARDEC
9:00 AM A New Generation of Binder for Cast PBX
Bernard Mahe, EURENCO France
9:20 AM Qualify an Alternate Polyisobutylene (PIB) Supplier for Composition C-4 Manufacture
Brad Zastrow, US Army RDECOM-ARDEC

5B- IM Systems II
Session Chair: Brian Fuchs, US Army RDECOM-ARDEC
8:00 AM IM Improvements for the MK 22 Mod 4 Rocket Motor
Leandro Garcia, NSWC Indian Head Division
8:20 AM Propellant Blast Suppressive Transportation Box (PBSTB) - a Cost Effective Way to Improve the IM-Signature of Rounds Packed in Transport Boxes
Jon Toreheim, Saab Bofors Dynamics AB
8:40 AM Modeling and Testing of Ceramic Armor Tile Survivability to Fragment Attack
Moran Shpitzer, Rafael
9:00 AM IM Solutions for Projectiles Crimped to Cartridges for Artillery Application, Phase II, Transition from Cartridge Case Venting to Insensitive Propellant
Carl Campagnuolo, SOCOM
9:20 AM Managing the Development and Capability Investment of the IM Development Programs Through Science and Technology and Munitions Requirements
Ken Tomessello, Naval Sea Systems Command

6A- Explosive Formulations II
Session Chair: Wendy Balas, US Army RDECOM- ARDEC
10:00 AM CLX 533, A New Insensitive High Explosive
Eli Shachar, IMI-ISRAEL
10:20 AM Morphology and Shock Sensitivity in RDX Based Flexible PBX
Chagit Denekamp, Rafael - Advanced Defense Systems Ltd.
10:40 AM Processing Studies of DNAN Based Melt-Pour Explosive Formulations
Pierre Pelletier, GD-OTS Canada
11:00 AM Insensitive Enhanced Blast Formulations
Philippe Chabin, Eurenco France
11:20 AM FOX-7 based Insensitive Cast PBX
Christelle Collet, SNPE Materiaux Energetiques

6B- Modeling II
Session Chair: Peter Haskins, QinetiQ
10:00 AM Modeling of Warhead Response to Projectile Impact with TEMPER Software
Pierre-François Péron, MSIAC
10:20 AM The Performance of Insensitive Blast Enhanced Explosives
Werner Arnold, MBDA-TDW
10:40 AM Institute for Multi Scale Reactive Modeling
William Davis, US Army RDECOM-ARDEC
11:00 AM Design for Insensitive Munitions Compliance of XM1069 120mm Multipurpose Tank Round
David Pfau, US Army RDECOM-ARDEC
11:20 AM Modeling Methodology for Predicting SCO Performance of the Excalibur Warhead
David Hunter, General Dynamics Ordnance & Tactical Systems

9:40 am - 10:00 am  BREAK

11:40 am - 1:00 pm  LUNCH
7A- Synthesis II
Session Chair: Per Sjoberg, Eurenco Bofors AB
1:00 PM Laboratory Scale Nitration of Cellulose as a Cost Effective Risk Mitigation Tool for the Production of Nitrocellulose at Radford Army Ammunition Plant
Benjamin Vaughan, Alliant Tech Systems
1:20 PM Synthesis and Characterisation of NNHT (2-Nitrimino-5-nitro-hexahydro-1,3,5-triazine)
Eamon Colclough, QinetiQ
1:40 PM Synthesis and Characterization of New Energetic,Insensitive Melt-Pour Candidates
David Price, BAE Systems OSI
2:00 PM Characterization of Existing Stockpile and Development of Synthetic Calcium Disilicide
Paul Anderson, US Army RDECOM-ARDEC
2:20 PM Butane Triol Synthesis and Manufacture
Will Tilford, BAE Systems OSI

7B- Testing I
Session Chair: Kenneth Graham, Aerojet
1:00 PM Qualification Testing of the Insensitive TNT Replacement Explosive IMX-101
Kenneth Lee, US Army RDECOM-ARDEC
1:20 PM Qualification of ITEX-07 Explosive for Fuze Applications
Rainer Schirra, DyniTEC
1:40 PM Studies of HBU88B manufactured with CONUS RDX
Pierre Pelletier, GD-OTS Canada
2:00 PM Low Velocity Impact Testing and Simulation on Generic Munitions
Gert Scholtes, TNO Defence, Security and Safety
2:20 PM Fragment Impact Studies of Complete and Sectioned Rocket Motors
Malcolm Cook, QinetiQ Ltd

8A- Propellants
Session Chair: Nora Eldredge, US Army Research Laboratory
3:00 PM Qualitative Evaluation of Response of LOVA Gun Propellant Charge by Bullet Impact and Cook-Off
Jun Maruyama, Ground Systems Research Center, GSRC, TRDI, MOD
3:20 PM Insensitive Munitions (IM) Testing: 25mm Target Practice, Discarding Sabot with Trace (TPDS-T), M910 Cartridge using ECL Propellant
Bishara Elmasri, US Army RDECOM-ARDEC
3:40 PM Army Advanced Gun Propellant Formulations
Thelma Manning, US ARMY RDECOM ARDEC
4:00 PM A Stable Liquid Mono Propellant based on ADN
Per Sjoberg, Eurenco Bofors AB
4:20 PM Revolutionary Insensitive, Green and Healthier Training Technology with Reduced Adverse Contamination (RIGHTTRAC) Technology Demonstrator Program
Patrick Brousseau, DRDC Valcartier

8B- Technology
Session Chair: Pierre-François Péron, MSIAC
3:00 PM Slow Cookoff Testing of a Thermally Activated Venting System
Michael Fisher, Cornerstone Research Group, Inc.
3:20 PM High Rate Thermal Analysis of Propellant Based Cook-Off Mitigants
Duncan Langlois, ATK Energetics Systems
3:40 PM Using Energetic Materials to Control Warhead Ignition During Slow Cook-Off
Nausheen Al-Shehab, US Army RDECOM-ARDEC
4:00 PM Metal Matrix Composite (MMC) Solid Rocket Motor Demonstration
Matt Shewmaker, NAWCWD China Lake, CA
4:20 PM Production of Aluminum Metal Matrix Composite Cases for Insensitive Munitions Testing
Brian Gordon, Touchstone Research Laboratory

4:40 pm ADJOURN FOR THE DAY
### 9A- Testing II

**Session Chair:** Tim Mahoney, NAWC- China Lake

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter/s</th>
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<tbody>
<tr>
<td>8:30 AM</td>
<td>Accelerated Ageing Study of Low Sensitivity PBX Formulation - FPX V40</td>
<td>Mari-Ella Sairiala, PVTT</td>
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<tr>
<td>8:50 AM</td>
<td>Roxel IM Technology, Analysis of Trial Results, Future IM Programmes in France and UK.</td>
<td>Jean Claude Nugeyre, ROXEL</td>
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<tr>
<td>9:10 AM</td>
<td>IM Response for Army Engineering Charges Based on FPX V40</td>
<td>Hannu Hytti, OY FORCIT AB</td>
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<td>9:30 AM</td>
<td>New Cost Effective Test Methods Within the IM Program</td>
<td>Rickard Lindström, Saab Bofors Test Center AB</td>
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<td>9:50 AM</td>
<td>Development of Novel Launcher for Fragment Impact Test</td>
<td>Vincent Tanguay, Defence R&amp;D Canada</td>
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### 9B- Processing II

**Session Chair:** Scott McDonald, US Army RDECOM-ARDEC

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<th>Time</th>
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<tr>
<td>8:30 AM</td>
<td>Temperature Independent Gun Propellants Based on NC and DNDA For IM Ammunition</td>
<td>Dietmar Mueller, Fraunhofer Institut Chemische Technologie (ICT)</td>
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<tr>
<td>8:50 AM</td>
<td>Co-Extrusion of Gun Propellants</td>
<td>Martijn Zebregs, TNO Defence, Security and Safety</td>
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<tr>
<td>9:30 AM</td>
<td>Scaleup Of Energetic Nitrate Salts For Insensitive DEMN Formulations</td>
<td>Sarah Headrick, ATK</td>
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<td>9:50 AM</td>
<td>Enhanced Production Capabilities for IM Explosive Ingredients Using the Agile Manufacturing Facility at Holston Army Ammunition Plant</td>
<td>Mike Ervin, BAE Systems</td>
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### 10B- IM/EM Issues

**Session Chair:** Matt Beyard, OSD- ATL

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:30 AM</td>
<td>Pyrotechnic Mixture Substitution for Explosives</td>
<td>Randall Busky, ATK Armament Systems Lake City</td>
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<tr>
<td>10:50 AM</td>
<td>Thermal Analysis of IMX-101 Through Large Scale Slow Cook Off Testing</td>
<td>Alberto Carrillo, BAE Systems OSI</td>
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<tr>
<td>11:10 AM</td>
<td>IM Response Descriptors — an Update for Assessment Processes</td>
<td>Thomas Swierk, NSWC Dahlgren</td>
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<td>11:30 AM</td>
<td>FITS, Finnish IM Technology Study</td>
<td>Kosti Nevala, Patria Land &amp; Armament</td>
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### 11:50 am - 12:00 pm CLOSING REMARKS

### 1:00 pm GOLF OUTING *MUST PRE-REGISTER FIRST AS THERE ARE LIMITED SPOTS AVAILABLE
IMEM Golf Tournament - May 14, 2009
1:00 pm

Ventana Canyon Golf Course
Price per golfer $100.00 • Only 48 slots available!

(Price includes green fees, cart, prizes and awards reception)
Rental clubs are available for $60.50

Send Checks and Registration Form To:
Attn: Karen Stasell, GD-OTS (make checks payable to GD-OTS)
11399 16th Ct, Suite 200
St. Petersburg, FL 33716
(ph) 727-432-0809
kstasell@gd-ots.com

Golf Registration
Name: ____________________________
Rental Clubs ($60.50): Left handed_____Right handed_____

Foursome:
Player: 2 __________________________ Rental Clubs: Left handed_____Right handed_____
Player: 3 __________________________ Rental Clubs: Left handed_____Right handed_____
Player: 4 __________________________ Rental Clubs: Left handed_____Right handed_____
Company: ______________________________________
Address: _______________________________________________________________________
City: ______________ State: ___ Zip: _______
Telephone: __________________ Fax: ______________ Email: __________________

Price per golfer ($100) Rental Clubs ($60.50 per set) Total amount due:
$ __________________
GENERAL CONFERENCE INFORMATION

REGISTRATION

ONLINE:
Our preferred method of registration is online. Visit http://www.ndia.org/meetings/9550 to register today.

FAX:
Register via fax by completing the Registration Form and faxing it to (703) 522-1885. Please do not fax any registrations after April 27, 2009.

HOTEL INFORMATION

A limited number of rooms have been reserved at The Loews Ventana Canyon Resort, Tucson AZ. To make a reservation, call 1-800-234-5117 and ask for the “National Defense Industrial Association IM/EM” conference room block. The cut-off date for accepting reservation into this block is April 17, 2009, but rooms may sell out before then.

TRANSPORTATION

The hotel is not located near the airport. Taxi rides cost approximately $60, and allow up to 4 passengers to split the cost. It is recommended to share rides. Taxi stands are located right outside the airport, as well as shuttles and vans.

MAIL:
Registration forms may be mailed to: NDIA, Event #9380, 2111 Wilson Blvd., Suite 400, Arlington, VA 22201. Please do not mail any registrations after April 27, 2009. Registrations will not be taken over the phone. Payment must be made at the time of registration.

OFFICIAL DATES

Early (Before 4/11): $535
Regular (After 5/1): $590
Late (After 4/11): $650

CONFERENCE ATTIRE

The appropriate attire for this conference is business casual attire or Military Class B uniform.

SPECIAL NEEDS

NDIA is supports the Americans with Disabilities Act of 1990. Attendees with Special Needs should contact Jennifer Hoechst by March 10, 2009 via email: jhoechst@ndia.org and refer to the Insensitive Munitions and Energetic Materials Conference.

INQUIRIES:
For more information, contact Jennifer Hoechst, Meeting Planner, NDIA, at 703-247-2568 or via e-mail at jhoechst@ndia.org and refer to the Insensitive Munitions and Energetic Materials Conference.

TUCSON AREA: THINGS TO DO

For more information on the Tucson area, things to do and possible spouse outings, visit http://www.visittucson.org/
NDIA Registration Form

**EVENT #9550 ▶ 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**

**INSENSITIVE MUNITIONS AND ENERGETIC MATERIALS ▶ LOEWS VENTANA CANYON RESORT**

**TUCSON, AZ ▶ MAY 11-14, 2009**

**3 WAYS TO SIGN UP:**

1. Online with a credit card at www.ndia.org
2. By fax with a credit card - Fax: (703) 522-1885
3. By mail with a check or credit card

**PAYMENT OPTIONS**

- Check (Payable to NDIA - Event #9550)
- 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.

**MEMORY](#)**

**CONFERENCE REGISTRATION FEES**

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<th>Early</th>
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<td>Government/Academia</td>
<td>$535</td>
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<td>Industry NDIA Member and affiliates (AFEI, NTSA, PSA, WID)</td>
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No refunds for cancellations received after 5/1/09. 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.

2. Registration fees for non-NDIA (or affiliate) members include a one-year non-refundable NDIA membership —$15.00 will be applied for your 12 month subscription to National Defense magazine.

**BY COMPLETING THE FOLLOWING, YOU HELP US UNDERSTAND WHO IS ATTENDING OUR EVENTS.**

**PRIMARY OCCUPATIONAL CLASSIFICATION.** Check ONE.

- Defense Business/Industry
- R&D/Laboratories
- Army
- Navy
- Air Force
- Marine Corps
- Coast Guard
- DOD/MOD Civilian
- Government Civilian (Non-DOD/MOD)
- Trade/Professional Assn.
- Educator/Academia
- Professional Services
- Non-Defense Business
- Other  

**CURRENT JOB/TITLE/POSITION.**  

Check ONE.

- Senior Executive
- Executive
- Manager
- Engineer/Scientist
- Professor/Instructor/Librarian
- Ambassador/Attaché
- Legislator/Legislative Aide
- General/Admiral
- Colonel/Naval Captain
- Lieutenant Colonel/Commander/ Major/Lieutenant Commander
- Captain/Lieutenant/Ensign
- Enlisted Military
- Other  

**QUESTIONs, CONTACT:**

JENNIFER HOECHST,  
MEETING PLANNER

**PHONE:** (703) 247-2568  
**E-MAIL:** jhoechst@ndia.org

**MAIL REGISTRATION TO:**  
NDIA - EVENT #9550  
2111 WILSON BOULEVARD  
SUITE 400  
ARLINGTON, VA 22201  
**FAX TO:** (703) 522-1885