51st Annual FUZE CONFERENCE

"Changing Fuze Standards"

May 22-24, 2007 Nashville, TN
CONFERENCE OBJECTIVE

Conference Theme: Changing Fuze Standards. The word standard has a myriad of definitions; however, the one that applies to fuzing and fuzing systems is most closely reflected in the following excerpt from Webster’s dictionary: “Something established by authority, custom, or general consent as a model or example”. All parts of this definition are relevant to the fuzing community. Our community comprises government and industrial constituents that form the dynamic for establishing the general consent for what is customary for example fuzing. MIL-STD-1316 and STANAG 4187 embody the example fuzing system that is used by safety regulatory bodies who are the ultimate authority for the acceptance of a munitions fuzing system. The precise design definition for fuzing systems is not embodied in the relevant standard. The fuzing standards only contain those accepted requirements that make ammunition safe to the user and reliable in its application. The specific implementation of those standards is a cooperative activity between the Government and industrial sections of the fuzing community. As the standards move forward, the regulatory bodies assimilate technologies that have proven useful in achieving both fuzing safety and reliability. Achieving fuzing acceptance in our collective business environment requires frequent interaction among the community members. This conference provides a forum to discuss Changing Fuzing Standards in both the broader sense in community interactions, and through specific fuzing program activities.

Who Should Attend: The NDIA Fuze Conference is primarily a series of technical sessions related to fuzing safety and operations. These sessions cover a spectrum from the outlook of the Services discussing their needs and planned procurements to the detailed design aspects of the latest enabling technologies. The conference appeals to the technical interests of managers, engineers, senior executives, and business development personnel in the fuzing and munitions industry from both the Government and commercial perspective. The conference is also an annual gathering of fuzing professionals and offers a unique opportunity for networking.

TUESDAY, MAY 22, 2007 (Early Registration)

3:00 PM On-Site Registration
5:00 PM - 6:30 PM Opening Reception

WEDNESDAY, MAY 23, 2007 (General Session)

Session I - OPENING REMARKS AND KEYNOTER

7:00 AM Registration and Continental Breakfast
8:00 AM Administrative Remarks, Mr. Edward Cooper, Chairman, NDIA Fuze Division, L-3 Communications - BT Fuze Products and MG Paul Greenberg, USA (Ret), Vice President Emeritus, Operations, NDIA, Executive Director Precision Strike Association
8:10 AM Keynote: MG Roger Nadeau, USA, Commander, U.S. Army RDECOM

Session II - GENERAL SESSION

Chair: Dr. Barry T. Neyer, PerkinElmer Optoelectronics

8:40 AM U.S. Army RDECOM ARDEC Perspective, Dr. Joseph Lannon, U.S. Army RDECOM ARDEC
9:00 AM Fielding Science and Technology Products...a Warfighter Perspective, COL Michael J. Smith, USA, Director, Armament Engineering & Technology Center, US Army ARDEC
9:20 AM Navy Overview, Mr. Randall Cope, Associate Dept. Head, Energetics at Naval Air Warfare Center, Weapons Division
9:40 AM BREAK
10:30 AM Air Force S & T Strategy, Mr. Timothy Tobik, Air Force Research Laboratory, Eglin
10:50 AM Air Force Acquisition Strategy, Ms. Elizabeth Thom
11:10 AM PEO Missile and Space Technology, Mr. Jim Jordan, PEO MS Science & Technology Liaison
11:30 AM Award Ceremony and 51st Conference Commemoration

11:50 AM - 1:00 PM LUNCHEON
### Session IIIA - OPEN SESSION

**Chair:** Mr. Scott Pomeroy, Branch Head, Naval Surface Warfare Center

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Hard Target Void Sensing Fuze JCTD, Mr. Sonny Childress</td>
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<tr>
<td>1:20 PM</td>
<td>Piezoelectric-Base Energy Harvesting Power Sources for Munitions Fuzing, Dr. Jahangir S. Rastegar, Omnitek Partners, LLC</td>
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<tr>
<td>1:40 PM</td>
<td>Self-Destruct/Self-Neutralization Design for Fuzing, Mr. John Yoo, L-3 BT Fuze Products</td>
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<tr>
<td>2:00 PM</td>
<td>MLRS Fuzing - Evolving to Meet End User Requirements, Mr. David M. Grilliot, L-3 Communications / KDI</td>
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<tr>
<td>2:20 PM</td>
<td>The M23E1 Pyrotechnic Self Destruct Fuze, Mr. Paul Kreider, L-3 BT Fuze Products</td>
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<tr>
<td>2:40 PM</td>
<td>XM242 Self Destruct Fuze, Mr. Michael Hiebel, ATK</td>
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<tr>
<td>3:00 PM</td>
<td>BREAK</td>
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<tr>
<td>3:20 PM</td>
<td>Enhanced Portable Inductive Artillery Fuze Setter (EPIAFS) for Excalibur, Mr. Thomas W. Walker, ARDEC Adelphi Fuze Division</td>
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<td>3:40 PM</td>
<td>SPACIDO 1D Course - Correction Fuze, Mr. Benjamin Campion, T2M</td>
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<tr>
<td>4:00 PM</td>
<td>Tandem Warheads, A Challenge for Fuze Design, Mr. Kenneth G. Sundvall, Saab Bofors Dynamics</td>
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<td>4:20 PM</td>
<td>Universal Dual Safety Training Fuze for Motors, Mr. Michael De Gregorio, U.S. Army ARDEC</td>
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<td>4:40 PM</td>
<td>Novel Thermal Batteries for Fuzes and Other Applications, Dr. Dario R. Dekel, RAFAEL</td>
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### Session IIIB - US ONLY SESSION

**Chairs:** Mr. David Lawson, KDI Precision Products, Inc.

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<tbody>
<tr>
<td>1:00 PM</td>
<td>Multipoint Initiation for an Active Protection System Interceptor, Mr. Jason P. Marabell, ARDEC</td>
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<tr>
<td>1:20 PM</td>
<td>MAFIS Raising the Standard in Hard Target Fuzing, Mr. Laurie J. Turner, Thales Missile Electronics, Ltd.</td>
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<tr>
<td>1:40 PM</td>
<td>Hard Target Defeat Fuzing, Mr. Michael Johnson, ATK-Advance Weapons Division</td>
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<tr>
<td>2:00 PM</td>
<td>Navy MEMS Micro-Detonator Based Safe Arm, Dr. Daniel L. Jean, NSWC, Indian Head</td>
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<tr>
<td>2:20 PM</td>
<td>Prototype Manufacturing System for MEMS-Based Safety and Arming (S&amp;A) Devices, Mr. Charles H. Robinson, U.S. Army RDECOM ARDEC Fuze Division</td>
<td></td>
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<tr>
<td>2:40 PM</td>
<td>MEMS Based Safe and Arming Devices for Low-Spin, Low-G Rockets and Munitions, Dr. Phillip J. Reiner, Stanley Associations, Inc.</td>
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<td>3:00 PM</td>
<td>BREAK</td>
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<td>3:20 PM</td>
<td>MEMS Safe and Arm Mechanism, Mr. Dale Spencer, Kaman Fuzing</td>
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<tr>
<td>3:40 PM</td>
<td>MEMS-Based Micro-G-Switch for Launch and Target-Impact Sensing, Mr. Gabriel L. Smith, U.S. Army ARDEC</td>
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<tr>
<td>4:00 PM</td>
<td>Free Flight Inertial Sensor, Mr. Robert N. Johnson, Electronics Development Corporation</td>
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<tr>
<td>4:20 PM</td>
<td>MEMS Based Voltage Multiplier, Mr. Devin Chamness, Stanley Associates</td>
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<td>4:40 PM</td>
<td>MEMS Hermetic Packaging, Mr. Wallace T. Tang, MicroAssembly Technologies</td>
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<tr>
<td>5:00 PM</td>
<td>Enabling Technologies for Miniature Firing Systems, Mr. Curtis Powell, NNSA Kansas City Plant</td>
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**Other Events**

- **5:30 PM - 7:00 PM:** HOSTED RECEPTION
Session IV A - OPEN SESSION

Chair: **Mr. Telly Manolatos**, Electronics Development Corporation

8:00 AM  Novel Family of Multi Operational Fuzes for Artillery Munitions, **Mr. Karl B. Kautzsch**, JUNGHANS Feinwerktechnik GmbH & Co. KG

8:20 AM  Dynamic Measurements of Multi-Layer Target Perforation at Enhanced Velocities, **Mr. Ronald G. Lundgren**, Applied Research Associates

8:40 AM  Successful Execution of the PIMPF Foreign Comparative Test, **Dr. Helmut F. Muthig**, TDW GmbH

9:00 AM  One and Two Dimensional Diagnostics for Detonators & Boosters, **Mr. Keith A. Thomas**, Los Alamos National Laboratory

9:20 AM  Test for Evaluation of the Hazard of Copper Azide, **Mr. Brian Will**, NSWC, Dahlgren


10:00 AM  BREAK

10:20 AM  Gas and Moisture Transport Through Non-Hermetic-Glass-to-Metal Bridge-Wire Initiator Seals, **Mr. Karl K. Rink**, University of Idaho

10:40 AM  Diagnostic Characterization of Slapper Flyer Materials, **Mr. Ralph Hodgin**, Lawrence Livermore National Laboratory

11:00 AM  Use of Composite Vibration Spectra in MIL-STD-331 Fuze Qualification Programs, **Ms. Julie S. Jennings**, Lockheed Martin Missle and Fire Control

11:20 AM  Fuze Development Tools, **Mr. Christian Johnsen**, Nammo Raufoss AS

11:40 AM  Constant Current Testing of a SemiConducting Bridge Initiator, **Mr. Wim C. Prinse**, TNO Defense Security and Safety

NOON  LUNCH

Session IVB - US ONLY SESSION

Chair: **Mr. Tom Baginski**, Professor, Auburn University

8:00 AM  Direct Write Explosive Ink Formulations, **Dr. Brian E. Fuchs**, U.S. Army ARDEC

8:20 AM  EDF-11 Explosive Ink Qualification Testing and Applications, **Mrs. Amy D. Wilson**, U.S. Army RDECOM-ARDEC

8:40 AM  Experimental Determination of the James Initiation Parameters for LX-16, **Mr. Chadd May**, Lawrence Livermore National Laboratory

9:00 AM  Piezo Pressure Sensors for Shock Timing Diagnostics of Multi-Point Initiators, **Lt Christopher Q. Martin, USAF**, Air Force Research Lab/Fuzes

9:20 AM  Division 1.6 Hazard Classification Detonator, **Mr. John W. Yelverton**, AFRL

9:40 AM  Flight Platforms for Test and Evaluation of Gun Launched Systems, **Mr. Hamish Malin**, Naval Surface Warfare Center, Dahlgren Division

10:00 AM  BREAK

10:20 AM  Development of a Laser Detonator, **Mr. Keith A. Thomas**, Los Alamos National Laboratory

10:40 AM  Recent Improvements in Ceramic Flyback Transformers for IM Initiation and Fuzing Applications, **Mr. George A. Slama**, Midcom, Inc.

11:00 AM  Systems Integration of Miniature Firing Set Technologies, **Mr. Chuck Treu**, NNSA Kansas City Plant

11:20 AM  Piezoelectric Energy Scavenging, **Mr. Justin Sweitzer**, Stanley Associates

11:40 AM  A Temporal Method for Determining Explosive Charge Detonation, **Mr. Ed Wild**, AFRL

NOON  LUNCH
### Session VA - OPEN SESSION

**Chair:** Mr. Fred Piering, President, WEACOMM

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Fuze Safety Standards: Secrets for Success DoD</td>
<td>FESWG Chairman, NATO AC326/SubGroup 2 (Initiation Systems Safety Standards) Executive Secretary, US Army Fuze Safety Review Board, Mr. Homesh Lalbahadur, Team Leader, U.S. Army ARDEC</td>
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<tr>
<td>1:20 PM</td>
<td>Requirements for the use of Logic Devices in the Implementation of Safety Features</td>
<td>Mr. John D. Hughes, Executive Secretary, US Army Fuze Safety Review Board, Team Leader, U.S. Army ARDEC</td>
</tr>
<tr>
<td>1:40 PM</td>
<td>FESWG Qualification Guidelines for Fuzes and Ignition Safety Devices</td>
<td>Mr. Milton E. Henderson, Jr., U.S. Army RDECOM, AMRDEC</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Changing Safety Requirements</td>
<td>Mr. Max Cone, L-3 Communications / KDI</td>
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<tr>
<td>2:20 PM</td>
<td>Fuze Interface Standard</td>
<td>Mr. Eric E. Roach, Lockheed Martin</td>
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<tr>
<td>2:40 PM</td>
<td>Challenges of Evaluating the Compliance of NEW Technology to Fuze Standards</td>
<td>Mrs. Christina L. Adair, Raytheon</td>
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<td>3:00 PM</td>
<td>BREAK</td>
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<tr>
<td>3:20 PM</td>
<td>Guidance Integrated Fuze</td>
<td>Mr. Chad D. Finch, Naval Surface Warfare Center</td>
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<td>3:40 PM</td>
<td>JABS Bomb Drop Data Recorders</td>
<td>Mr. Casey Birmingham, NAWCWD</td>
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<tr>
<td>4:00 PM</td>
<td>40mm Proximity Fuze - Design for Production</td>
<td>Mr. Charles S. Lyon, U.S. Army RDECOM ARDEC</td>
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<tr>
<td>4:20 PM</td>
<td>Adaption of Existing Fuze Technology to Increase the Capability of the 2.75-inch Rocket System</td>
<td>Mr. Brian J. Goedert, NSWC Indian Head</td>
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<tr>
<td>4:40 PM</td>
<td>M228 Practice Fuze Automated Inspection</td>
<td>Mr. Matt Dillow, ATK Tactical Systems Division</td>
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<tr>
<td>5:00 PM</td>
<td>DSU-33 C/B Proximity Sensor Design to Production Transition</td>
<td>Mr. Jeff Capaul, Alliant Techsystems</td>
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<tr>
<td>5:20 PM</td>
<td>WRAP-UP AND CONFERENCE ADJOURNED</td>
<td>Mr. David Lawson, KDI Precision Products, Inc.</td>
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### Session VB - US ONLY SESSION

**Chairs:** Mr. Ken Kelly, Kaman Aerospace Corporation

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<tbody>
<tr>
<td>1:00 PM</td>
<td>Changing the Standard of Fuze Proximity Sensors</td>
<td>Mr. J. Kevin Williams, Mustang Technology Group, LP</td>
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<tr>
<td>1:20 PM</td>
<td>Paveway IV Height of Burst Sensor</td>
<td>Mr. Robert P. Hertlein, L3 KDI Precision Products</td>
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<tr>
<td>1:40 PM</td>
<td>Comparative Analysis of Fuze Guidance Kits</td>
<td>Mr. Chris Geswender, Raytheon</td>
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<tr>
<td>2:00 PM</td>
<td>Micro-Scale Firetrain Manufacturing Technology Development</td>
<td>Mr. Mark R. Gelak, U.S Army RDECOM ARDEC Fuze Division</td>
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<tr>
<td>2:20 PM</td>
<td>Detonation Shock Transfer Characteristics from Miniature Initiators</td>
<td>Dr. David E. Lambert, Air Force Research Laboratory, Munitions Directorate</td>
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<tr>
<td>2:40 PM</td>
<td>Standardization of Grenade Fuze Components and Requirements</td>
<td>Mr. Anthony J. Di Giacomo, U.S. Army ARDEC</td>
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<tr>
<td>3:00 PM</td>
<td>BREAK</td>
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<tr>
<td>3:20 PM</td>
<td>Moving Fuze Technology to an ISD</td>
<td>Ms. Christina L. Adair, Raytheon</td>
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<tr>
<td>3:40 PM</td>
<td>MEMS - Compatible Processing of Energetic Materials</td>
<td>Mr. Alexander S. Tappan, Sandia National Laboratories, Explosive Projects &amp; Diagnostics Department</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Neutralization of Unexploded Ordnance (UXO) by Destruction of Pyrotechnic Lead</td>
<td>Mr. Gary L. Broxton, Radiation Effects Research Associates</td>
</tr>
<tr>
<td>4:20 PM</td>
<td>Harsh Environment Fuze Technology (HEFTY): A Research for Penetrating Weapons</td>
<td>Mr. Jason R. Foley, AFRL Munitions Directorate, Fuzes Branch</td>
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<tr>
<td>4:40 PM</td>
<td>Real Time Battle Damage Assessment</td>
<td>Mr. Kenneth J. Williamson, AFRL/MNMF</td>
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<tr>
<td>5:00 PM</td>
<td>AMRDEC AMMPGM Fuze Testing</td>
<td>Mr. Richard R. Kulbacki, U.S.Armay RDECOM AMRDEC</td>
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<tr>
<td>5:20 PM</td>
<td>WRAP-UP AND CONFERENCE ADJOURNED</td>
<td>Mr. Ed Cooper, NDIA Fuze Division, L-3 Communications - BT Fuze Products</td>
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HOTEL INFORMATION
A limited block of rooms has been reserved at Gaylord Opryland Nashville Resort & Convention Hotel, 2800 Opryland Drive, Nashville, TN 37214, phone: (615) 889-1000, fax: (615) 871-6942. The industry rate is $165 single/double occupancy. The government per diem rate is $94 single/double occupancy. To ensure the discounted NDIA rate, please make your reservations early and ask for the NDIA room block. Rooms will not be held after April 23, 2007 and may sell out before then. Rates are also subject to increase after this date. The government per diem rate is available only to active duty or civilian government employees. ID will be required upon check-in. Retired military or retired government civilians do not qualify for the government rate.

REGISTRATION INFORMATION
Registration Fees

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<th>Early on or before 04/09/07</th>
<th>Regular after 4/23/07</th>
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<tr>
<td>Government/Academia</td>
<td>$425</td>
<td>$470</td>
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<tr>
<td>Industry NDIA member and affiliates (AFEI, NCWG, NTSA, PSA, WID)</td>
<td>$610</td>
<td>$680</td>
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<tr>
<td>Industry non-NDIA member</td>
<td>$660</td>
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To register online visit the following link: www.ndia.org/meetings/7560 and follow the instructions. You can also download the registration form from the NDIA website and fax it to (703) 522-1885 or mail to: Event # 7560, National Defense Industrial Association, 2111 Wilson Boulevard, Suite 400, Arlington, VA 22201-3061. Payment must be made at the time of registration. Registrations will not be taken over the phone.

Registration fees for Non-NDIA members include a one year non-refundable NDIA membership of which $15.00 is for your subscription to National Defense magazine.

FOREIGN PAYMENT
Allied attendees: please note that NDIA does not accept purchase orders from foreign governments or industries and will not invoice them for payment. Fees may be paid by a credit card, checks drawn from U.S. banks or bank transfers only. Please include transfer fees along with payment so that there is not a balance due for your complete registration fee. Payments must be in U.S. dollars.

REFUNDS AND CANCELLATIONS
Registrants who are unable to attend the Fuze Conference must submit a request for refund IN WRITING by fax to NDIA at 703-522-1885 or via email at pedmonson@ndia.org before April 07, 2007 in order to receive a refund minus the cancellation fee of $100. NO refunds will be issued for cancellations after April 07, 2007; however substitutions are welcome.

U.S. CITIZENSHIP REQUIREMENTS
Some of the sessions at this conference are U.S. ONLY. Tape recorders, cameras and note-taking will be prohibited. Briefcases, day planners, etc. will not be permitted in the auditoriums. Anyone desiring to attend the U.S. ONLY session of this conference must have submitted the enclosed Certificate of Citizenship. Entrance will not be permitted without having been pre-approved by submittal of proof of citizenship to the U.S. Air Force.

Forms must arrive no later than May 17, 2007. Fax to:

ATTN: Ms. Mary Cole, AFRL/MNMF
Phone: (850) 882-2467
Fax: (850) 882-2707
Email: mary.cole2@eglin.af.mil

DO NOT SEND CERTIFICATES OF CITIZENSHIP TO NDIA AS THEY WILL NOT BE FORWARDED TO SECURITY AGENT
ONSITE BADGES
Each registrant will be issued an identification badge at the on-site registration desk. Please be prepared to show government-issued I.D. when picking up your badge. Badges must be worn at all conference functions.

ATTIRE
Appropriate dress for this symposium is business casual / Class B uniforms for military.

MESSAGES
Messages for conference attendees may be left at phone: phone: (615) 889-1000, faxes for conference attends should be sent directly to the Gaylord Opryland Hotel at (615) 871-6942 and request that it be taken to the NDIA Registration Desk.

ATTENDEE ROSTER
An attendance roster will be available at the conference registration desk. In order for your name to appear in the roster, you must be registered for this event by April 23, 2007. An updated roster will NOT be printed after the conference.

SPECIAL NEEDS
NDIA supports the Americans with Disabilities Act of 1990. Attendees with special needs should call (703) 522-1820 and refer to Event #7560

INQUIRIES
For more information contact Phyllis Edmonson, NDIA at 703-247-2577 and refer to event #7560.

SPONSORSHIP INFORMATION
Maximize your organization’s participation and visibility in this symposium by sponsoring an event. The sponsorships available are as follows:

- Continental Breakfast - $5,000 (Two opportunities available)
  o Two complimentary symposium registrations
  o Placement of your company’s logo in the agenda handouts and proceedings
  o Signage outside the particular event sponsored
  o Sponsor ribbon on badges

- Coffee and Soda Break - $4,000 (Four opportunities available)
  o One complimentary conference registrations
  o Placement of your company’s logo in the agenda handouts and proceedings
  o Signage outside the particular event sponsored
  o Sponsor ribbon on badges

- Lunch - $6,000 (Two opportunities available)
  o Three complimentary symposium registrations
  o Opportunity to distribute literature on a table at registration
  o Placement of your company’s logo in the agenda handouts and proceedings
  o Signage outside the particular event sponsored
  o Sponsor ribbon on badges

- Reception - $8,000 (Two opportunities available)
  o Four complimentary symposium registrations
  o Opportunity to distribute literature on a table at registration
  o Placement of your company’s logo in the agenda handouts and proceedings
  o Signage outside the particular event sponsored
  o Opportunity to give a 10-minute company presentation at the reception
  o Sponsor ribbon on badges.
HARRY DIAMOND FUZING EXCELLENCE AWARD

FOR

EXCELLENCE IN FUZE ADVANCEMENT

The Harry Diamond Fuzing Excellence Award recognizes the individual who, in the judgment of the NDIA Fuze Committee, has made the greatest overall contribution to the fuze program during their lifetime. The achievements for which this award were considered related to any of the many components that make up this highly diverse, complex, vital commodity, from R&D through demilitarization and disposal.

The second of awards encompasses achievements during the nominee’s career and will be presented to the winner at the NDIA Fuze Conference in May 2007. This competition was open to all individuals, regardless of grade or position, in the United States fuze community. All military personnel, government civilians, and contractor employees were eligible. In addition to a cash award and an appropriate plaque, the winner’s name has been inscribed on the Harry Diamond Fuzing Excellence Award Trophy that is prominently displayed at NDIA Headquarters.
With regard to the meeting identified above, the following information is provided for U.S. Government and industry personnel.

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**Last Name** | **First Name** | **MI**
--- | --- | ---

**Title (Retired Military, use rank and service)**

**Company/Organization Represented**

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**Company/Organization Certification Number (Cage Code Number)**

**Company/Organization Mailing Address**

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**Date of Birth** | **Place of Birth**
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**With regard to the meeting identified above, the following information is provided for U.S. Government and industry personnel.**

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**Certificate of Citizenship**

**51st Annual Fuze Conference**

“50 Years of Supporting Freedom”

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**SEND TO:** Ms. Mary Cole, AFRL/MNMF; **Fax:** (850) 882-2707, Phone (850) 882-2467; Email: mary.cole2@eglin.af.mil

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**NOTICE!** Some concurrent sessions of this Conference are restricted to DoD and U.S. DoD Contractors Only who are citizens of the U.S. Provisions of applicable DOD policies do not permit waiving the DOD and U.S. Citizenship requirements for attending these sessions.

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Certification for Attendance is to be accomplished by attendee’s U.S. Government agency or corporate security office. CERTIFICATION WILL NOT BE ACCEPTED AT THE DOOR. Fax completed form with proof of citizenship to arrive by May 17, 2007.

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**Section II. U.S. Citizenship Certification**

(To be Completed by Security Office)

(For U.S. Government/U.S. Military/U.S. Industry) I hereby certify that the individual named above has established a proof of U.S. Citizenship as a part of his or her facility security clearance:

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**Signature of Attendee**

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Signature, Title/Position, and Organization of U.S. Government/DoD Official or Corporate Security Officer.
Registration Fees

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No refunds for cancellations received after 04/03/07. **Substitutions Welcome!**

1 Includes a free three-year NDIA membership and *National Defense* magazine for Military and Government employees (first time members only). Do not sign me up for the free government membership.

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