

# FUZE/FFC/GLOBAL DEMIL CONFERENCE AGENDA

MONDAY, SEPTEMBER 25

10:00 am – 6:30 pm **REGISTRATION**  
SOUTH HALL PREFUNCTION

1:30 – 3:30 pm **CAPABILITY BRIEFING: DOD FUZE INTEGRATED PRODUCT TEAM**  
EAST HALL 3  
**Philip Gorman, Jr.**  
Deputy Product Manager, Joint Enhanced Munitions Technology Program, Senior Lead Engineer, Booz Allen Hamilton

2:00 - 3:00 pm **CAPABILITY BRIEFING: SHORT & INTERMEDIATE EFFECTORS FOR LAYERED DEFENSE (SHIELD)**  
EAST HALL 2  
**COL Andrew Lunoff, USA**  
Program Manager, Short & Intermediate Effectors for Layered Defense (SHIELD)

3:00 – 4:00 pm **CAPABILITY BRIEFING: ARMY RAPID CAPABILITIES AND CRITICAL TECHNOLOGIES (ARCCT)**  
EAST HALL 2  
**Jeannie Sommer**  
Deputy Director Army Hypersonic Project Office, U.S. Army Rapid Capabilities and Critical Technologies Office (RCCTO)

4:00 – 5:00 pm **ARMAMENTS DIVISION MEETING**  
EAST HALL 2

4:00 – 5:00 pm **ROBOTICS DIVISION MEETING**

4:00 – 5:00 pm **FUZE DIVISION MEETING**  
EAST HALL 3

5:00 – 6:30 pm **OPENING NETWORKING RECEPTION**  
SOUTH HALL 1

**TUESDAY, SEPTEMBER 26**

**JOINT GENERAL SESSION (FFC, FUZE, GLOBAL DEMIL)**

7:00 am – 6:30 pm **REGISTRATION**  
SOUTH HALL PREFUNCTION

7:00 – 8:00 am **NETWORKING BREAKFAST**  
SOUTH HALL PREFUNCTION

8:00 – 8:10 am **OPENING REMARKS**  
SOUTH HALL 2  
**The Hon David L. Norquist**  
President & Chief Executive Officer, National Defense Industrial Association (NDIA)

8:10 – 8:40 am **KEYNOTE PRESENTATION: MISSILES AND SPACE**  
SOUTH HALL 2  
**BG Frank Lozano, USA**  
Program Executive Officer, Program Executive Office, Missiles and Space, Redstone Arsenal, AL

8:40 – 9:10 am **KEYNOTE PRESENTATION: U.S. ARMY MATERIAL COMMAND**  
SOUTH HALL 2  
**LTG Chris Mohan, USA**  
Deputy Commanding General, U.S. Army Material Command

9:10 – 9:40 am **KEYNOTE SPEAKER: U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER**  
SOUTH HALL 2  
**Dr. James Kirsch**  
Director, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)  
*Invited*

9:30 am – 6:30 pm **EXHIBIT HALL OPEN**  
SOUTH HALL 1

9:40 – 10:30 am **NETWORKING BREAK**  
SOUTH HALL 1

GENERAL SESSIONS

FFC & GLOBAL DEMIL | SOUTH HALL 2

**10:30 – 11:50 am** **Panel**  
**BG John Reim, USA**  
 Program Executive Officer, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)  
**Matt Zimmerman**  
 Acting Deputy, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)  
**COL Ronnie Anderson, USA**  
 Commander, U.S. Army Joint Munitions Command (JMC)  
**Anthony Sebasto, SES**  
 Executive Director, Enterprise and Systems Integration Center, U.S. Army Combat Capabilities Development Command

FUZE | EAST HALL 3

**10:30 – 10:35 am** **Opening Remarks**  
**Nassir Alaboud**  
 LM Fellow, Engineering & Technology, Lockheed Martin Missiles & Fire Control

**10:35 – 10:55 am** **Navy S&T Strategy**  
**Michael Deeds**  
 Fuze & Initiation Branch Manager, Naval Surface Warfare Center Indian Head Division (NSWC IHD)

**10:55 – 11:15 am** **Air Force S&T Strategy**  
**George Jolly**  
 Technical Advisor, Ordnance Branch, Science & Technology Division, Munitions Directorate, Air Force Research Laboratory

**11:15 – 11:35 am** **Army DEVCOM AC S&T Strategy**  
**Richard Johnson**  
 Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**11:35 – 11:55 am** **Army DEVCOM AvMC S&T Strategy**  
**Mark Etheridge**  
 Electronics Engineer, U.S. Army Combat Capabilities Development Command Aviation & Missile Center (DEVCOM AvMC)

**11:50 am – 1:15 pm** **NETWORKING LUNCH**  
 SOUTH HALL 1

FFC & GLOBAL DEMIL | SOUTH HALL 2

FUZE | EAST HALL 3

**1:15 – 1:35 pm** **Army JPEO A&A Fuze Strategic Plan**  
 EAST HALL 3  
**BG John Reim, USA**  
 Program Executive Officer, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)

**1:35 – 1:55 pm**

# BREAKOUT SESSIONS

	ROBOTICS BALLROOM 3	SMALL ARMS SOUTH HALL 2	GARM, EOD, MUNITIONS BALLROOM 1 - 2	FUZE (DISTRO A) EAST HALL 3	FUZE (DISTRO D) EAST HALL 2	GLOBAL DEMIL BALLROOM 4 - 5
1:15 – 1:35 pm	<p><b>Autonomy as a Service: Changing How DoD Develops and Procures Autonomous Capability</b></p> <p><b>Pat Acox</b> Government Strategy &amp; Growth Lead, RRAI</p>	<p><b>PM Soldier Lethality (PM-SL)</b></p> <p><b>COL Jason Bohannon, USA</b> Product Director Joint Services, U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p> <p><b>Dave Oatley</b> Deputy Product Manager Soldier Lethality, U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p> <p><b>LTC Micah Rue, USA</b> Product Manager Soldier Weapons, U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p>	<p><b>JPEO A&amp;A Panel</b></p> <p><b>Matt Zimmerman</b> Product Director Joint Services, U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A) <i>Moderator</i></p> <p><b>COL Roger Leon, USA</b> Project Manager Combat Ammunition Systems (PM CAS), U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p> <p><b>COL Steve Power, USA</b> Project Manager Maneuver Ammunition Systems (PM MAS), U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p>	<p><b>Flexible Development of a Fuze and Warhead Pairing for UAS Drop Munitions</b></p> <p><b>Jim Yost</b> Scientist - Fuzing Programs, L3Harris Fuzing and Ordnance Systems</p> <p><b>Zachary Spears</b> Scientist - Internal Research and Development (IR&amp;D) Programs, L3Harris Fuzing and Ordnance Systems</p>	<p><b>ARRW ESAF and SESAD Fuzing Development &amp; Qualification</b></p> <p><b>Gabe Bonnstetter</b> Engineer, Northrop Grumman</p>	<p><b>Open Demilitarization Enterprise Strategic Plan</b></p> <p><b>James Terhune</b> Product Director Demilitarization, U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p>
1:35 – 1:55 pm		<p>PM Soldier Lethality (PM-SL) Continued</p> <p><b>LTC Trond Ruud, USA</b> Product Manager, Small Arms Fire Control, U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p> <p><b>Anthony Cortese</b> Product Manager Crew Served Weapons, U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p>		<p><b>Silicon Carbide (SiC) High Voltage Switch Maturation</b></p> <p><b>Austin Perrault</b> Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p> <p><b>Dr. Robert Alston</b> Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p>	<p><b>Common Multi-Option Fuze for Army/Navy</b></p> <p><b>James Ring</b> Technical Director - Fuzing and Warheads, Northrop Grumman Defense Systems</p>	<p><b>JMC Organic Industrial Base and Conventional Ammunition Demil Update</b></p> <p><b>Brian Willis</b> Director, Demilitarization Directorate, U.S. Army Joint Munitions Command</p>
1:55 – 2:15 pm	<p><b>5.7 Special Purpose Round for Robotic Payloads</b></p> <p><b>Dr. Charles Brock</b> Chief Executive Officer, Vanguard Outfitters</p>	<p><b>JSSAP Panel</b></p> <p><b>Augustine Funcasta</b> Chief, Joint Service Small Arms Program (JSSAP) Office <i>Moderator</i></p> <p><b>A Robust Method for Estimating Various Dispersion Statistics</b></p> <p><b>Kenneth Hohnecker</b> Applied Mathematician, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p> <p><b>Christopher Drake</b> Mathematical Statistician, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p>		<p><b>The Brilliant Fuze</b></p> <p><b>Ronald Lundgren</b> Senior Scientist, HA Consulting</p> <p><b>Roy Baty</b> Group Leader - XTD-PRI, Applied Physics, Los Alamos National Laboratory</p>	<p><b>Loitering Munition Electronic Safe-Arm Device</b></p> <p><b>Nicholas Pio</b> Mechanical Fuze Engineer, Safe-Arm and Fuze Engineering Branch, Naval Air Warfare Center Weapons Division (NAWCWD)</p> <p><b>Ciarra Villa</b> Branch Head, Safe-Arm and Fuze Engineering Branch, Naval Air Warfare Center Weapons Division (NAWCWD)</p>	<p><b>Missile Demil Update</b></p> <p><b>Margaret England</b> Acting Program Manager, AMCOM Demilitarization, Materiel Support Directorate</p>

2:15 – 2:35 pm	<b>The Swiss Army Knife of Small UGV Weapons- KELTEC P-50</b> Adrian Kellgren Chief Operating Officer, Kel-Tec	<b>Combat Optimized Ballistic Remote Armament (COBRA)</b> Alexander Smith Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)	<b>Design &amp; Architecture Requirements for Safety, Arming and Functioning (SAF) Systems to Allow Remote Control, De-Arming and Re-Arming</b> Christian Euba System Engineer, TDW GmbH  Dr. Siegfried Nau Department Head – Measurement, Technology, & Sensors, Ernst-Mach-Institut (EMI)	<b>Munition Enhanced for Next-Generation Area and Combined Effects (MENACE)</b> Thinh Hoang Title, Naval Surface Warfare Center Indian Head Division (NSWC IHD)	<b>Ammunition Peculiar Equipment (APE) Demil Update</b> Eric Varcho APE Lead, Tooele Army Depot
----------------	--	---	--	---	---

2:35 – 3:20 pm  
**NETWORKING BREAK**  
 SOUTH HALL 1

	<b>ROBOTICS</b> <small>BALLROOM 3</small>	<b>SMALL ARMS</b> <small>SOUTH HALL 2</small>	<b>GARM, EOD, MUNITIONS</b> <small>BALLROOM 1 - 2</small>	<b>FUZE (DISTRO A)</b> <small>EAST HALL 3</small>	<b>FUZE (DISTRO D)</b> <small>EAST HALL 2</small>	<b>GLOBAL DEMIL</b> <small>BALLROOM 4 - 5</small>
3:20 – 3:40 pm	<b>Visual And Acoustic Stealth for Robotic Snipers</b> Ray Sanchez Chief Operating Officer, ThunderBeast	<b>JSSAP Panel Continued</b> Augustine Funcasta Chief, Joint Service Small Arms Program (JSSAP) Office <i>Moderator</i>  <b>Factors Influencing Yaw and Obliquity in Multiple Plate Arrays Penetration</b> Raymond Chaplin Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)	<b>JPEO A&amp;A Panel Continued</b> Matt Zimmerman Product Director Joint Services, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)  COL Russell Hoff, USA Project Manager Close Combat Systems (PM CCS), U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)	<b>FMU-139D/B High-Rate Production, Extreme Capability, Unmatched Value</b> Donald Gillespie Program Manager, Northrop Grumman	<b>Improvement of Low Temperature Performance of Supercapacitors Utilizing Ionic Liquids</b> Richard Johnson Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division	<b>Demil R&amp;D Program</b> Sameh Eskarous, PMP Acting Chief Engineer, Product Director Demilitarization, Project Director Joint Services
3:40 – 4:00 pm	<b>TRAP 360 Dismountable Remote Turret</b> John Warner Vice President, Precision Remotes	<b>Effects of Misalignment Between the Projectile and Barrel Center Axis During Small Caliber Engraving</b> Raymond Chaplin Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)		<b>Current and Future Upgrades to the Northrop Grumman M1156 Precision Guidance Kit (PGK)</b> William Schwartz Technical Director, Northrop Grumman  Andrew Mulderrig PGK-ER Technical Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)	<b>Wireless Power Transmission and Communication for Remote Fuzing Applications</b> Thomas Hartmann R&D Electronics Engineer, Sandia National Laboratories  Philip Randall R&D Electrical Engineer, Sandia National Laboratories	<b>EPA – Revisions to Standards for Open Burn/Open Detonation (OB/OD) of Waste Explosives</b> Paul Diss Chemist, U.S. Environmental Protection Agency

4:00 – 4:20 pm	<b>Individual and Small Robotic Laser Warning Receiver</b> <b>Dr. Leo Volfson</b> Chief Executive Officer, Torrey Pines Logic	<b>JSSAST Panel</b> <b>COL Kevin Shilley, USA</b> Military Deputy, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) <i>Moderator</i>  <b>John Yancey</b> Deputy Director, Maneuver Capabilities Development and Integration Directorate (MCDID) Soldier Requirements Division (SRD)  <b>Christopher Woodburn</b> Deputy Branch Head - GS14, U.S. Marine Corps Combat Development Command (MCCDC)  <b>Craig LaMudge</b> Combat Arms Program Manager, Headquarters U.S. Air Force A4 (HQ USAF AF-A4)		<b>Overview: K-Fuze Technology</b> <b>Seohee Yoon</b> Research Engineer, Hanwha Corporation  <b>Dae-Kil Chon</b> Chief Research Engineer, Hanwha Corporation	<b>Munition Setting Over Single Pair Ethernet</b>  <b>Aldous Strother</b> Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division  <b>Tyler Wilson</b> Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division	<b>DOD Explosive Safety Board (DDESB) Updates</b>  <b>Thierry Chiapello</b> Executive Director, DoD Explosives Safety Board
4:20 – 4:40 pm	<b>Small Robotic Off Route Mine EFP Payload</b> <b>Steve Dart</b> Vice President, Day & Zimmerman	<b>JSSAST Panel Continued</b> <b>COL Kevin Shilley, USA</b> Military Deputy, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) <i>Moderator</i>  <b>CAPT John Stoner, USN</b> Deputy Director, U.S. Navy Office of the Chief of Naval Operations (USN OPNAV) N96C  <b>CAPT Eric Casper, USCG</b> Chief, Office of Specialized Capabilities, U.S. Coast Guard Headquarters (USCG HQ)	<b>PM Ammo Overview</b> <b>Scott Adams</b> Program Manager, Ammunition, U.S. Marine Corps Systems Command (MCSC)	<b>Additively Manufactured High Voltage Flyback Transformer</b> <b>Joshua Dye</b> R&D Electronics Engineer, Sandia National Laboratories  <b>Thomas Hartmann</b> R&D Electronics Engineer, Sandia National Laboratories	<b>Developing a Cable Transmission Line to Carry a Fireset Pulse for Remote Initiation</b> <b>Jeremy Hush</b> Electrical Engineer, Safe-Arm and Fuze Engineering Branch, Naval Air Warfare Center Weapons Division (NAWCWD)  <b>Ciarra Villa</b> Branch Head, Safe-Arm and Fuze Engineering Branch, Naval Air Warfare Center Weapons Division (NAWCWD)	<b>Environmental Panel Open Discussion</b> <b>James Terhune</b> Product Director Demilitarization, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
4:40 – 5:00 pm	<b>TEMPEST Tethered/Free Flight Drone</b> <b>Matt Quinn</b> Senior Vice President, Fortem Technologies	<b>JSSAST Panel Continued</b> <b>COL Kevin Shilley, USA</b> Military Deputy, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) <i>Moderator</i>  <b>LTC John Lancaster, USA</b> Program Manager, U.S. Special Operations Command, Special Operations Forces - Lethality (USSOCOM SOF-L)		<b>Integrated Sensing Using Additively Manufactured Interpenetrating Lattices</b> <b>Joshua Dye</b> R&D Electronics Engineer, Sandia National Laboratories  <b>Shane Curtis</b> R&D, S&E Manager, Sandia National Laboratories	<b>Compact Fuze: Programable Wireless Fuze Technology Development Overview</b> <b>Ed Mader</b> Mechanical Engineer, L3Harris Advanced Systems & Technologies Weapons and Sensor Programs  <b>Hung-Sheng Chern</b> Sr. Manager, Strategic Initiatives, L3Harris Advanced Systems & Technologies Weapons and Sensor Programs	

5:00 – 6:30 pm **NETWORKING RECEPTION**  
SOUTH HALL 1

# WEDNESDAY, SEPTEMBER 27

7:00 am – 5:00 pm **REGISTRATION**  
SOUTH HALL PREFUNCTION

7:00 – 8:00 am **NETWORKING BREAKFAST**  
SOUTH HALL PREFUNCTION

## GENERAL SESSIONS

FFC   SOUTH HALL 2		FUZE   EAST HALL 3 (DISTRO A)		EAST HALL 2 (DISTRO D)		GLOBAL DEMIL   BALLROOM 4	
8:00 – 8:15 am	<b>Opening Remarks</b> <b>Nick Perry</b> Chair, NDIA Munitions Division Director, Global Strategy, Northrop Grumman Defense Systems	8:00 – 8:20 am	<b>Liquid Proof Mass Accelerometer</b> <b>Paul Galambos</b> Engineer, Sandia National Laboratories  <b>Joshua Dye</b> R&D Electronics Engineer, Sandia National Laboratories	<b>Utilizing Commercial Radar for Fuzing Applications</b> <b>Kerolos Nashed</b> Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)		8:00 – 8:05 am	<b>Opening Remarks</b> <b>James Terhune</b> Product Director Demilitarization, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
						8:05 – 8:25 am	<b>Commercial Demil Contract Status – GD-OTS</b> <b>Justin Millhouse</b> General Manager, General Dynamics Ordnance and Tactical Systems
8:15 – 9:00 am	<b>Ukrainian Delegation Panel</b> <b>LTG Mykola Shetsov</b> Chief of the Main Logistics, Department of the General Staff of the Ukrainian Armed Forces	8:20 – 8:40 am	<b>A Solid State Based MCEFI Package for Future Smart Munitions</b> <b>Gert Scholtes</b> Senior Scientist, TNO DSS  <b>Joost van Lingen</b> Business Developer, TNO DSS	<b>COTS LIDAR for Fuzing Applications</b> <b>Viktor Bana</b> Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)  <b>Damien M. Marianucci</b> Physicist, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)		8:25 – 8:45 am	<b>Commercial Demil Contract Status – GRADIENT</b> <b>Joseph Carroll</b> Senior Program Manager, Gradient Technology  <b>Steve Schmit</b> Chief Technology Officer, Gradient Technology
		8:40 – 9:00 AM	<b>Critical Components Database System</b> <b>Alexandra Tucker</b> Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division  <b>Nicholas Lobosco</b> Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division	<b>Dynamic Triggering for Munitions</b> <b>Tom Emanski</b> Supervisory General Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)		8:45 – 9:05 am	<b>Commercial Demil Contract Status – ESD</b> <b>TJ Ogden</b> Founder & Chief Executive Officer, Enviro Safe Demil

9:00 – 9:45 am	<b>National Counter UAS Center of Excellence</b> <b>Waseem Naqvi</b> Chief Technology Officer, Unmanned Systems, Raytheon Intelligence & Space <i>Moderator</i>  <b>Steve Wert</b> Program Executive Officer, Digital, U.S. Air Force Life Cycle Management Center (AFLCMC)  <b>Rudy Cuevas</b> Counter-UAS (C-UAS) Program Lead, MassDOT Aeronautics Division Invited  <b>Jeff DeCarlo</b> Administrator, MassDOT Aeronautics Division Invited  <b>Paige Scott Reed</b> MassAutonomy Invited	9:00 – 9:20 AM	<b>Fuze Microcontroller Update and Checksum Hardware Circuit</b>  <b>Dexter Cook</b> Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division	<b>Survivability of Explosive Foil Deflagrating Initiators (EFDIs) for Gun Launched Munitions</b>  <b>Tom Emanski</b> Supervisory General Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)	9:05 – 9:25 am	<b>Commercial Demil Contract Status – SRUS</b>  <b>Sam Petronakis</b> President & Chief Executive Officer, Soukos Robots USA
		9:20 – 9:40 AM	<b>High-G Survivability of Flip Chip Dies</b>  <b>Paul Deconinck</b> R&D Manager, Thiot Ingenierie  <b>Romain Boisson</b> Sales Manager, Thiot Ingenierie	<b>Developments of Mesoscale Setback Switches for Fuzing Applications</b>  <b>Jeff Smyth</b> Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)	9:25 – 9:45 am	<b>Commercial Demil Panel Open Discussion</b>  <b>James Terhune</b> Product Director Demilitarization, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)

9:30 am – 3:30 pm **EXHIBIT HALL OPEN**  
SOUTH HALL 1

9:45 – 10:30 am **NETWORKING BREAK**  
SOUTH HALL 1

## BREAKOUT SESSIONS

	<b>ROBOTICS</b> BALLROOM 3	<b>SMALL ARMS</b> SOUTH HALL 2	<b>GARM, EOD, MUNITIONS (DISTRO A)</b> BALLROOM 1 - 2	<b>FUZE (DISTRO A)</b> EAST HALL 3	<b>FUZE (DISTRO D)</b> EAST HALL 2	<b>GLOBAL DEMIL</b> BALLROOM 4 CDT/SDC - OB/OD ALTERNATIVES GROUP 1A	<b>GLOBAL DEMIL</b> BALLROOM 5 DEMILITARIZATION CAPABILITY SHOWCASE GROUP 2A
10:35 – 10:55 am	<b>Mobility Autonomy and Lethal Payload Autonomy Integration</b>  <b>Matt Dooley</b> Vice President, Defense Strategy, RRAI <i>Moderator</i>  <b>Dr. Leo Volfson</b> Chief Executive Officer, Torrey Pines Logic  <b>Lennart Ljungfelt</b> Chief Executive Officer, Aimpoint  <b>Matt Quinn</b> Senior Vice President, Fortem Technologies  <b>Steve Dart</b> Vice President, Day & Zimmerman	<b>PM MAS</b>  <b>COL Steve Power, USA</b> Project Manager Maneuver Ammunition Systems (PM MAS), U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)	<b>Adaptive Propulsion Systems for Compressed Long-Range Artillery</b>  <b>Ronald Barrett</b> Professor of Aerospace Engineering, The University of Kansas	<b>Applying Electromagnetic Simulation Tools to High Voltage Dump Loop Design</b>  <b>Robert Hertlein</b> Senior Manager, RF/Wireless, L3Harris Fuzing & Ordnance Systems	<b>M100 Detonator Improvements for Increased Survivability and More Predictable Function</b>  <b>Joseph Carda</b> Staff Engineer, Northrop Grumman  <b>Chris Bulian</b> Director - Product Engineering and Test, Tech Ord, AMTEC Corporation	<b>Letterkenny Ammonium Perchlorate Rocket Motor Destruction Capability</b>  <b>Jonathan White</b> Mechanical Engineer, U.S. Army Combat Capabilities Development Command Aviation & Missile Center (DEVCOM AvMC)	<b>DEVCOM AC Demil Capability Development</b>  <b>Wilfred Cruz</b> Branch Chief, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)  <b>Gary Mescavage, PMP</b> Demil Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)



10:55 – 11:15 am	<b>Energetic Material Body for Pre- Fragmented Warheads- (Robotic Payload)</b>  <b>Steve Dart</b> Vice President, Day & Zimmerman	<b>Modern Trends, Threats, &amp; Developments in Global Ordnance</b>  <b>Dan Shea</b> General Director, Pheonix Defense	<b>Developing a Secondary Safety &amp; Arming System for Mortars</b>  <b>Emine Foust</b> Associate Professor, United States Military Academy  <b>Charles Randow</b> Visiting Scientist, United States Military Academy	<b>Model Based Systems Engineering in Fuzing Applications</b>  <b>Peter Rosen</b> Manager of Systems Engineering, Northrop Grumman Systems Corporation	<b>Terminal Environment Characterization for High-Speed Munition Maritime Engagements</b>  <b>Kevin Cochran</b> Senior Ordnance Technologist, Naval Surface Warfare Center Indian Head Division (NSWC IHD)	<b>Disassembly of the Honest John Warhead and Bomblet Disposition</b>  <b>Clint Barnes</b> Mechanical Engineer, U.S. Army Combat Capabilities Development Command (DEVCOM)	<b>Riot Control Items Demil</b>  <b>Daniel Giuliano</b> Chemical Engineer, FCDD-ACM-XD, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)  <b>Gary Mescavage, PMP</b> Demil Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)
11:15 – 11:35 am	<b>Sacrificial Scanning Laser Optic Detection Emitter</b>  <b>Dr. Leo Volfson</b> Chief Executive Officer, Torrey Pines Logic		<b>Assured Armaments Reference Architecture (AARA)</b>  <b>Michael Brattoli</b> Assured Armaments Reference Architecture Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)	<b>JOTP-053 Automated Testing and Reporting</b>  <b>Steven Coulter</b> Electrical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division  <b>Hagan Parara</b> Electrical Engineer, SAVIT CORP	<b>Fuze Synchronization for Collaborative Swarming Munitions</b>  <b>Pranav Patel</b> System Integration & Test Engineer, L3Harris Advanced Systems & Technologies Weapons and Sensor Programs  <b>Hung-Sheng Chern</b> Sr. Manager, Strategic Initiatives, L3Harris Advanced Systems & Technologies Weapons and Sensor Programs	<b>Shape Charge Removal for Closed Disposal Processing</b>  <b>Clint Barnes</b> Mechanical Engineer, U.S. Army Combat Capabilities Development Command (DEVCOM)	<b>High-Pressure Abrasive Waterjet System for U.S. Navy Range Cleanup Efforts at Vieques Island, Puerto Rico</b>  <b>Matt Viesselman</b> Chemical Engineer, Gradient Technology  <b>Steve Schmit</b> Chief Technology Officer, Gradient Technology
11:35 – 11:55 am	<b>Flexible Armor for Robots</b>  <b>Gabriel Todd</b> BD Lead, Verco Materials		<b>Unmanned Panel</b>  <b>Stavros Daskos</b> President and CEO, ING Robotic Aviation	<b>Severe Perforation Trials with High-G Measurement System</b>  <b>Nicolas Stephanopoli</b> Test Engineer - Terminal Ballistics, CEA Military Applications Division  <b>Aurélien Hottelet</b> Test Engineer, CEA Military Applications Division	<b>Fuzing Implementation and Challenges for Advanced Missile Payload Systems</b>  <b>Eric Stoll</b> Electrical Engineer, Northrop Grumman  <b>Chris Schott</b> Mechanical Engineer, Raytheon	<b>Munitions Cryofracture Demil Facility for Anti-Personnel Landmine Demil</b>  <b>Gary Mescavage, PMP</b> Demil Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)  <b>Brent Hunt</b> Equipment Specialist, APE 1236 SME, Ammunition Equipment Directorate	<b>Thermal Degradation of Fluoropolymers Into the Gaseous Evolution of Per- and Poly-Fluoroalkyl Substances (PFAS)</b>  <b>Dr. Pamela Sheehan</b> Senior Research Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)  <b>Dr. Enoch Nagelli</b> Associate Professor, Program Director of Chemical Engineering, West Point Military Academy

11:55 am – 1:15 pm **NETWORKING LUNCH IN THE EXHIBIT HALL**  
SOUTH HALL 1

	<b>ROBOTICS</b> BALLROOM 3	<b>SMALL ARMS</b> SOUTH HALL 2	<b>GARM, EOD, MUNITIONS (DISTRO D)</b> BALLROOM 1 - 2	<b>FUZE (DISTRO A)</b> EAST HALL 3	<b>FUZE (DISTRO D)</b> EAST HALL 2	<b>GLOBAL DEMIL</b> BALLROOM 4 CDT/SDC - OB/OD ALTERNATIVES GROUP 1A	<b>GLOBAL DEMIL</b> BALLROOM 5 DEMILITARIZATION CAPABILITY SHOWCASE GROUP 2A
1:15 – 1:35 pm	<p><b>Air Force Civil Engineer Robotic Applications</b></p> <p>Steven Lee Bailey Research Engineer, Air Force Civil Engineer Center</p>	<p><b>Suppressor Panel</b></p> <p><b>Introduction and Overview of Suppressor Efforts under the Soldier Enhancement Program (SEP) Program</b></p> <p>Adam Jacob Program Management Engineer, Joint Service Small Arms Program (JSSAP) Office, DEVCOM Armament Center (AC)</p> <p><b>Establishment of Suppressor Test Operating Procedures (TOP) – Joint Service Small Arms Metrics &amp; Evaluation (JSSAME)</b></p> <p>Dr. Les Flemming Engineer, Task Lead, Small Arms Signature Lab (SASL), Naval Surface Warfare Center Crane Division (NSWC CD)</p> <p><b>What is SAAMI and the Establishment of Commercial Suppressor Standards</b></p> <p>Alan Serven Senior Director, Technical Affairs, SAAMI</p> <p>Travis Thoreen Principal Quality Engineer, SIG Sauer</p>	<p><b>Utilizing Wave Interactions &amp; Multi-Point Initiation for the Disposal of Insensitive Munitions</b></p> <p>Elizabeth Francois R&amp;D Scientist, Los Alamos National Laboratory</p> <p>James Ahn EOD Team Leader, U.S. Army</p>	<p><b>An Innovative Test Technique for the S&amp;A Devices in the Fuze Systems of Artillery Munitions</b></p> <p>Utku Akman Fuze Design Specialist, Roketsan A.Ş.</p> <p>Arif Serdar iNAN Senior Executive Engineer, Roketsan A.Ş.</p>	<p><b>Additive Manufacturing Technology for Fuzing Electronics and Sensors</b></p> <p>Gabe Smith Mechanical Engineer, U.S. Army Combat Capabilities Development Command Army Research Lab (DEVCOM ARL)</p>	<p><b>Defuzer for Artillery Ammunition at Crane Army Ammunition Activity</b></p> <p>Joseph Kerry, PMP, MEng, CSSGB Project Officer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p>	<p><b>Commercial Organic Chemical Waste Destruction Using Supercritical Water Oxidation</b></p> <p>John Follin Demil Project Manager, General Atomics</p> <p>Ron Gallego Engineer, General Atomics</p>
1:35 – 1:55 pm	<p><b>Emerging Armament Technologies for Small Unmanned Systems</b></p> <p>Lucius Taylor Chief Engineer, Forward Deployed Rapid Prototyping, Naval Surface Warfare Center Crane Division (NSWC CD)</p> <p>Ernesto Garcia Lopez Special Programs Manager, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p>	<p><b>WISSPR – Weapon Induced Subsonic Sound Pressure Reduction</b></p> <p>Brian Hoffman Chief Engineer for Man-Portable Weapons, Naval Surface Warfare Center Crane Division (NSWC CD)</p> <p><b>Reduction of Ti Spark in Titanium Suppressors</b></p> <p>Kurtis Palu Engineer, Thunder Beast Arms Corp.</p>	<p><b>Stain Gauge Instrumentation of Bushmaster Cannon Bolt Lugs Provides High Resolution of Bolt Loads and Dynamic Response During Firing Events</b></p> <p>Doan Truong Sr. Principal Engineer Structural, Northrop Grumman Defense Systems</p>	<p><b>Army In-House Laboratory and Testing Capabilities to Evaluate Power Sources for Fuze and Munitions Applications</b></p> <p>Giuseppe Di Benedetto Power Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p> <p>Richard Dratler Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division</p>	<p><b>Energetic Porous Silicon Igniters</b></p> <p>Daniel Jean Mechanical Engineer, U.S. Army Combat Capabilities Development Command Army Research Lab (DEVCOM ARL)</p>	<p><b>New Developments in High Capacity SDCS</b></p> <p>Harley Heaton Research &amp; Development Officer, Dynasafe</p> <p>Charles Diggs Chief Executive Officer, Dynasafe</p>	<p><b>Mk12 Rocket Motor Hardware Reuse/Size Reduction of Double Base Propellant Grains</b></p> <p>Jonathan White Mechanical Engineer, U.S. Army Combat Capabilities Development Command Aviation &amp; Missile Center (DEVCOM AvMC)</p>

1:55 – 2:15 pm	<p><b>Robotic Ammunition Manoeuvring System (RAMS)</b></p> <p><b>Adam Brant</b> Project Manager, Sarcos Technology and Robotics Corporation/RE2 LLC</p> <p><b>Justin Lee Bressi</b> Business Development Manager, Sarcos Technology and Robotics Corporation/RE2 LLC</p>	<p><b>Small Caliber Performance in Arctic Conditions</b></p> <p><b>Thomas Grego</b> Branch Chief - Individual Weapons, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p>	<p><b>NSWC Indian Head Battle Lab</b></p> <p><b>Catherine Eaton</b> Battle Lab Division Director, Naval Surface Warfare Center Indian Head Division (NSWC IHD)</p>			<p><b>Rockeye Cluster Bomb Unit Download Process at Crane Army Ammunition Activity</b></p> <p><b>Angel Gonzalez</b> Project Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Demil Technology Branch</p> <p><b>Gary Mescavage, PMP</b> Demil Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p>	<p><b>Reactive Armor Tile Pilot Scale Test Oven</b></p> <p><b>David Strickland</b> General Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Demil Technology Branch</p>
2:15 – 2:35 pm	<p><b>NSWC Crane Tactical Uncrewed Weapons</b></p> <p><b>Lucius Taylor</b> Chief Engineer, Forward Deployed Rapid Prototyping, Naval Surface Warfare Center Crane Division (NSWC CD)</p> <p><b>Phillip Burnside</b> Senior Mechanical Engineer, Naval Surface Warfare Center Crane Division (NSWC CD)</p>	<p><b>Bigger Effects from Smaller Guns and Ammunition: Advanced Sabot Technologies for Small and Medium Caliber Weapons</b></p> <p><b>Ronald Barrett</b> Professor of Aerospace Engineering, The University of Kansas</p>	<p><b>Secure Communications Considerations for Future Joint Service EOD Capabilities</b></p> <p><b>Adam Shaker</b> Mechanical Engineer, Naval Surface Warfare Center Indian Head Division (NSWC IHD)</p> <p><b>Andrew Czop</b> Unmanned Systems Branch Head, Naval Surface Warfare Center Indian Head Division (NSWC IHD)</p>			<p><b>Expanding the APE 1236 Rotary Kiln Capacity for Medium Sized HE Filled Munitions</b></p> <p><b>Sylvester Anyanwu</b> Program Engineer Officer Demilitarization, U.S. Army Joint Program Executive Office Armaments &amp; Ammunition (JPEO A&amp;A)</p> <p><b>Gary Mescavage, PMP</b> Demil Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p>	<p><b>Genie Rocket Motor Disposition</b></p> <p><b>James Lawrence</b> Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p> <p><b>Jeffery Lee</b> Chief, Obsolete Weapons and Missile Demil Branch, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</p>
2:35 – 3:20 pm	<p><b>NETWORKING BREAK</b> SOUTH HALL 1</p>						

3:20 – 4:10pm	<b>AWARDS CEREMONY</b> SOUTH HALL 2	3:20 – 3:40 pm	<b>Introducing Vertical Soldering Technology</b>  <b>Stephen Redington</b> Senior Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division	<b>Inherent Material Property Effects on Dimensional Stability of PBXN-9</b>  <b>Francis Milbower</b> Associate Manager, Mechanical Engineering L3Harris Fuzing and Ordnance Systems
		3:40 – 4:00 pm	<b>Laser Ignition – A Path Forward</b>  <b>Stephen Redington</b> Senior Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division	<b>Scalability and Production of Magnesium Oxide (MgO) for Thermal Batteries</b>  <b>Giuseppe Di Benedetto</b> Power Team Lead, U.S. Army Combat Capabilities Development Command (DEVCOM) Armaments Center
4:10 – 4:50 pm	<b>KEYNOTE SPEAKER</b> SOUTH HALL 2  <b>LTG Mykhailo Zabrodskyi</b> First Deputy Chairman of the National Security, Defense and Intelligence Committee of the Verkhovna Rada of Ukraine <i>Invited</i>			
4:50 – 5:00 pm	<b>CLOSING COMMENTS</b> SOUTH HALL 2			
11:00 – 11:30 am	<b>BUSES DEPART TO HUNTSVILLE FIREARMS TRAINING FACILITY</b> VON BRAUN CENTER  Box lunches provided to bus riders to enjoy enroute.			
12:00 – 3:30 pm	<b>LIVE-FIRE DEMONSTRATION</b> HUNTSVILLE FIREARMS TRAINING FACILITY			
2:30 – 3:00 pm	<b>EARLY BUS DEPARTS TO VON BRAUN CENTER</b> HUNTSVILLE FIREARMS TRAINING FACILITY			
3:30 – 4:00 pm	<b>FINAL BUS DEPARTS TO VON BRAUN CENTER</b> HUNTSVILLE FIREARMS TRAINING FACILITY			

The NDIA has a policy of strict compliance with federal and state antitrust laws. The antitrust laws prohibit competitors from engaging in actions that could result in an unreasonable restraint of trade. Consequently, NDIA members must avoid discussing certain topics when they are together at formal association membership, board, committee, and other meetings and in informal contacts with other industry members: prices, fees, rates, profit margins, or other terms or conditions of sale (including allowances, credit terms, and warranties); allocation of markets or customers or division of territories; or refusals to deal with or boycotts of suppliers, customers or other third parties, or topics that may lead participants not to deal with a particular supplier, customer or third party.

