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

**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**

**FUZE | EAST HALL 3**

**SESSION CHAIR: PERRY SALYERS**

**SESSION ASSISTANT: ABDULNASSIR ALABOUD**

**1:15 – 1:35 pm**

**Army JPEO A&A Fuze Strategic Plan**
- **BG John Reim, USA**
  Program Executive Officer, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
**BREAKOUT SESSIONS**

**ROBOTICS**
- **Ballroom 3**
  - **1:15 – 1:35 pm**
    - **Autonomy as a Service: Changing How DoD Develops and Procures Autonomous Capability**
    - **Pat Acox**
      - Government Strategy & Growth Lead, RRAI
    - **PM Soldier Lethality (PM-SL)**
      - **COL Jason Bohannon, USA**
        - Product Director Joint Services, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
      - **Dave Oatley**
        - Deputy Product Manager Soldier Lethality, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
      - **LTC Micah Rua, USA**
        - Product Manager Soldier Weapons, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
    - **JPEO A&A Panel**
      - **Matt Zimmerman**
        - Product Director Joint Services, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
      - **COL Roger Leon, USA**
        - Project Manager Combat Ammunition Systems (PM CAS), U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
    - **Moderator**
      - **COL Roger Leon, USA**
        - Project Manager Combat Ammunition Systems (PM CAS), U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)

**SMALL ARMS**
- **South Hall 2**
  - **1:35 – 1:55 pm**
    - **PM Soldier Lethality (PM-SL) Continued**
      - **LTC Trond Ruud, USA**
        - Product Manager, Small Arms Fire Control, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
      - **Anthony Cortese**
        - Product Manager Crew Served Weapons, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
  - **2:15 – 2:35 pm**
    - **5.7 Special Purpose Round for Robotic Payloads**
      - **Dr. Charles Brock**
        - Chief Executive Officer, Vanguard Outfitters
  - **JSSAP Panel**
    - **Augustine Funcasta**
      - Chief, Joint Service Small Arms Program (JSSAP) Office
    - **Moderator**
      - **A Robust Method for Estimating Various Dispersion Statistics**
        - **Kenneth Hohnecker**
          - Applied Mathematician, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)
        - **Christopher Drake**
          - Mathematical Statistician, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**GARM, EOD, MUNITIONS**
- **Ballroom 1 & 2**
  - **1:15 – 1:35 pm**
    - **JPEO A&A Panel**
      - **Matt Zimmerman**
        - Product Director Joint Services, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
      - **COL Roger Leon, USA**
        - Project Manager Combat Ammunition Systems (PM CAS), U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
  - **1:35 – 1:55 pm**
    - **Flexible Development of a Fuze and Warhead Pairing for UAS Drop Munitions**
      - **Jim Yost**
        - Scientist - Fuzing Programs, L3Harris Fuzing and Ordnance Systems
      - **Zachary Spears**
        - Scientist - Internal Research and Development (IR&D) Programs, L3Harris Fuzing and Ordnance Systems
  - **ARRW ESAF and SESAD Fuzing Development & Qualification**
    - **Gabe Bonnstetter**
      - Engineer, Northrop Grumman

**FUZE (DISTRO A)**
- **East Hall 1**
  - **1A**
    - **Session Chair: Paul Kern**
    - **Session Assistant: Perry Salvers**
  - **1B**
    - **Session Chair: Thomas Howard**
    - **Session Assistant: Roy Streetz**

**FUZE (DISTRO D)**
- **East Hall 2**

**GLOBAL DEMIL**
- **Ballroom 4 & 5**
  - **Session Chair: James Terhune**
  - **Session Assistant: Sylvester Anyanwu**
  - **Open Demilitarization Enterprise Strategic Plan**
    - **James Terhune**
      - Product Director Demilitarization, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
  - **JMC OrganicIndustrial Base and Conventional Ammunition Demil Update**
    - **Brian Willis**
      - Director, Demilitarization Directorate, U.S. Army Joint Munitions Command
  - **Missile Demil Update**
    - **Margaret England**
      - Acting Program Manager, AMCOM Demilitarization, Materiel Support Directorate
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>2:15 – 2:35 pm</td>
<td>The Swiss Army Knife of Small UGV Weapons-KELTEC P-50</td>
<td>Adrian Kellgren</td>
<td>Chief Operating Officer, Kel-Tec</td>
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<td>Alexander Smith</td>
<td>Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</td>
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<td>Dr. Robert Alston</td>
<td>Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</td>
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<td>Silicon Carbide (SiC) High Voltage Switch Maturation</td>
<td>Austin Perrault</td>
<td>Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</td>
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<td>Roy Baty</td>
<td>Group Leader - XTD-PRI, Applied Physics, Los Alamos National Laboratory</td>
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<td>COL Russell Hoff, USA</td>
<td>Project Manager Close Combat Systems (PM CCS), U.S. Army Combat Program Executive Office Armament &amp; Ammunition (JPEO A&amp;A)</td>
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<td>Common Multi-Option Fuze for Army/Navy</td>
<td>James Ring</td>
<td>Technical Director - Fuzing and Warheads, Northrop Grumman Defense Systems</td>
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<td></td>
<td>Ammunition Peculiar Equipment (APE) Demil Update</td>
<td>Eric Varchos</td>
<td>APE Lead, Tooele Army Depot</td>
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<td>2:35 – 3:20 pm</td>
<td>NETWORKING BREAK</td>
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<td>3:20 – 3:40 pm</td>
<td>Visual And Acoustic Stealth for Robotic Snipers</td>
<td>Ray Sanchez</td>
<td>Chief Operating Officer, ThunderBeast</td>
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<td>Augustine Funicasta</td>
<td>Chief, Joint Service Small Arms Program (JSSAP) Office</td>
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<td>Factors Influencing Yaw and Obliquity in Multiple Plate Arrays Penetration</td>
<td>Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</td>
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<td>Raymond Chaplin</td>
<td>Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</td>
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<td>Matt Zimmerman</td>
<td>Product Director Joint Services, U.S. Army Joint Program Executive Office Armament &amp; Ammunition (JPEO A&amp;A)</td>
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<td>The Brilliant Fuze</td>
<td>Ronald Lundgren</td>
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<td>Roy Baty</td>
<td>Group Leader - XTD-PRI, Applied Physics, Los Alamos National Laboratory</td>
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<td>Ciarra Villa</td>
<td>Branch Head, Safe-Arm and Fuze Engineering Branch, Naval Air Warfare Center Weapons Division (NAWCWD)</td>
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<td>Nicholas Pio</td>
<td>Mechanical Fuze Engineer, Safe-Arm and Fuze Engineering Branch, Naval Air Warfare Center Weapons Division (NAWCWD)</td>
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<td>Thinh Hoang</td>
<td>Naval Surface Warfare Center Indian Head Division (NSWC IHD)</td>
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<td>Paul Diss</td>
<td>Chemist, U.S. Environmental Protection Agency</td>
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<td>3:40 – 4:00 pm</td>
<td>TRAP 360 Dismountable Remote Turret</td>
<td>John Warner</td>
<td>Vice President, Precision Remotes</td>
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<td>Effects of Misalignment Between the Projectile and Barrel Center Axis During Small Caliber Engraving</td>
<td>Raymond Chaplin</td>
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<td>Design &amp; Architecture Requirements for Safety, Arming and Functioning (SAF) Systems to Allow Remote Control, De-Arming and Re-Arming</td>
<td>Christian Euba</td>
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<td>Munition Enhanced for Next-Generation Area and Combined Effects (MENAGE)</td>
<td>Thinh Hoang</td>
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<td>EPA – Revisions to Standards for Open Burn/Open Detonation (OB/OD) of Waste Explosives</td>
<td>Paul Diss</td>
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4:00 – 4:20 pm

**Individual and Small Robotic Laser Warning Receiver**

**Dr. Leo Volfson**
Chief Executive Officer, Torrey Pines Logic

**JSSAST Panel**

**COL Kevin Shilley, USA**
Military Deputy, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**Moderator**

**John Yancey**
Deputy Director, Maneuver Capabilities Development and Integration Directorate (MCDID) Soldier Requirements Division (SRD)

**Christopher Woodburn**
Deputy Branch Head – 5514, U.S. Marine Corps Combat Development Command (MCDC)

**Craig LaMudge**
Combat Arms Program Manager, Headquarters U.S. Air Force A4 (HQ USAF AF-A4)

**FMU-139D/B High-Rate Production, Extreme Capability, Unmatched Value**

**Donald Gillespie**
Program Manager, Northrop Grumman

**JSSAST Panel Continued**

**COL Kevin Shilley, USA**
Military Deputy, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**CAPT John Stoner, USN**
Deputy Director, U.S. Navy Office of the Chief of Naval Operations (USN OPNAV) N96C

**CAPT Eric Casper, USCG**
Chief, Office of Specialized Capabilities, U.S. Coast Guard Headquarters (USCG HQ)

**PM Ammo Overview**

**Scott Adams**
Program Manager, Ammunition, U.S. Marine Corps Systems Command (MCSC)

**William Schwartz**
Technical Director, Northrop Grumman

**Andrew Mulderig**
PGK-ER Technical Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**Current and Future Upgrades to the Northrop Grumman M1156 Precision Guidance Kit (PGK)**

**Tyler Wilson**
Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**Environmental Panel Open Discussion**

**James Terhune**
Product Director Demilitarization, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)

4:20 – 4:40 pm

**Small Robotic Off Route Mine EFP Payload**

**Steve Dart**
Vice President, Day & Zimmerman

**JSSAST Panel Continued**

**Seohee Yoon**
Research Engineer, Hanwha Corporation

**Dae-Kil Chon**
Chief Research Engineer, Hanwha Corporation

**Aldous Strother**
Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**Overview: K-Fuze Technology**

**Seohee Yoon**
Research Engineer, Hanwha Corporation

**Dae-Kil Chon**
Chief Research Engineer, Hanwha Corporation

**Munition Setting Over Single Pair Ethernet**

**Tyler Wilson**
Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

4:40 – 5:00 pm

**TEMPEST Tethered/Free Flight Drone**

**Matt Quinn**
Senior Vice President, Fortem Technologies

**JSSAST Panel Continued**

**LTC John Lancaster, USA**
Program Manager, U.S. Special Operations Command, Special Operations Forces – Latality (USSOCOM SOF-L)

**Aldous Strother**
Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**Overview: K-Fuze Technology**

**Seohee Yoon**
Research Engineer, Hanwha Corporation

**Dae-Kil Chon**
Chief Research Engineer, Hanwha Corporation

**Munition Setting Over Single Pair Ethernet**

**Tyler Wilson**
Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

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

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**GENERAL SESSIONS**

<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00 – 8:15 am</td>
<td>Opening Remarks</td>
<td>SOUTH HALL 2</td>
</tr>
</tbody>
</table>
| Nick Perry  
Chair, NDIA Munitions Division  
Director, Global Strategy, Northrop Grumman Defense Systems |
| 8:00 – 8:40 am | Liquid Proof Mass Accelerometer | EAST HALL 2 (DISTRO D)  
FFC | 3A SESSION CHAIR: JON HARRIS  
3A SESSION ASSISTANT: HOMESH LALBAHADUR | FUZE | EAST HALL 3 (DISTRO A)  
3B SESSION CHAIR: PERRY SALYERS  
3B SESSION ASSISTANT: ABDULNASSIR ALABOUD |
| Paul Galambos  
Engineer, Sandia National Laboratories |
| Joshua Dye  
R&D Electronics Engineer, Sandia National Laboratories |
| 8:00 – 8:20 am | Utilizing Commercial Radar for Fuzing Applications |  
EAST HALL 2 (DISTRO D)  
GLOBAL DEMIL |  
BALLROOM 4 |
| Kerolos Nashed  
Electronics Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) |
| 8:00 – 8:45 am | A Solid State Based MCEFI Package for Future Smart Munitions |  
EAST HALL 3 (DISTRO A)  
FFC | 3A SESSION CHAIR: JON HARRIS  
3A SESSION ASSISTANT: HOMESH LALBAHADUR | FUZE | EAST HALL 2 (DISTRO D)  
GLOBAL DEMIL | BALLROOM 4 |
| Gert Scholtes  
Senior Scientist, TNO DSS |
| Joost van Lingen  
Business Developer, TNO DSS |
| 8:40 – 9:00 am | Critical Components Database System |  
EAST HALL 2 (DISTRO D)  
GLOBAL DEMIL |  
BALLROOM 4 |
| Alexandra Tucker  
Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division |
| Nicholas Lobosco  
Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division |
| 8:45 – 9:00 am | Dynamic Triggering for Munitions |  
GLOBAL DEMIL |  
BALLROOM 4 |
| Tom Emanski  
Supervisory General Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) |
| 8:05 – 8:25 am | Commercial Demil Contract Status – GD-OTS |  
GLOBAL DEMIL |  
BALLROOM 4 |
| Justin Millhouse  
General Manager, General Dynamics Ordnance and Tactical Systems |
| Joseph Carroll  
Senior Program Manager, Gradient Technology |
| Steve Schmit  
Chief Technology Officer, Gradient Technology |
| 8:45 – 9:05 am | Commercial Demil Contract Status – ESD |  
GLOBAL DEMIL |  
BALLROOM 4 |
| TJ Ogden  
Founder & Chief Executive Officer, Enviro Safe Demil |
9:00 – 9:45 am
National Counter UAS Center of Excellence
Waseem Naqvi
Chief Technology Officer, Unmanned Systems, Raytheon Intelligence & Space
Moderator
Steve Wert
Program Executive Officer, Digital, U.S. Air Force Life Cycle Management Center (AF LCMC)
Rudy Cuevas
Counter-UAS (C-UAS) Program Lead, MassDOT Aeronautics Division
Jeff DeCarlo
Administrator, MassDOT Aeronautics Division
Invited
Paige Scott Reed
MassAutonomy
Invited

9:00 – 9:20 AM
Fuze Microcontroller Update and Checksum Hardware Circuit
Dexter Cook
Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division

9:20 – 9:40 AM
High-G Survivability of Flip Chip Dies
Paul Deconinck
R&D Manager, Thiot Ingenierie
Romain Boisson
Sales Manager, Thiot Ingenierie

Survivability of Explosive Foil Deflagrating Initiators (EFDIs) for Gun Launched Munitions
Tom Emanski
Supervisory General Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

Developments of Mesoscale Setback Switches for Fuzing Applications
Jeff Smyth
Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

9:25 – 9:45 am
Commercial Demil Contract Status – SRUS
Sam Petronakis
President & Chief Executive Officer, Soukos Robots USA

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

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

10:35 – 10:55 am
Mobility Autonomy and Lethal Payload Autonomy Integration
Matt Dooley
Vice President, Defense Strategy, RRAI
Moderator
Dr. Leo Volfson
Chief Executive Officer, Torrey Pines Logic
Lennart Ljungfelt
Chief Executive Officer, Aimpoint
Matt Quinn
Senior Vice President, Fortem Technologies
Steve Darl
Vice President, Day & Zimmerman

PM MAS
COL Steve Pever, USA
Project Manager Maneuver Ammunition Systems (PM MAS), U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO ADA)

Adaptive Propulsion Systems for Compressed Long-Range Artillery
Ronald Barrett
Professor of Aerospace Engineering, The University of Kansas

Additively Manufactured High Voltage Flyback Transformer
Joshua Dye
R&D Electronics Engineer, Sandia National Laboratories
Thomas Hartmann
R&D Electronics Engineer, Sandia National Laboratories

Developing a Cable Transmission Line to Carry a Fireset Pulse for Remote Initiation
Jeremy Hurst
Electrical Engineer, Safe-Arm and Fuzing Engineering Branch, Naval Air Warfare Center Weapons Division (NAWCDW)
Ciara Villa
Branch Head, Safe-Arm and Fuzing Engineering Branch, Naval Air Warfare Center Weapons Division (NAWCDW)

Letterkenny Ammonium perchlorate Rocket Motor Destruction Capability
Jonathan White
Mechanical Engineer, U.S. Army Combat Capabilities Development Command Aviation & Missile Center (DEVCOM AMC)

DEVCOM AC Demil Capability Development
Wilfred Cruz
Branch Chief, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)
Gary Mescavage, PMP
Demil Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)
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<tbody>
<tr>
<td><strong>Energetic Material Body for Pre-Fragmented Warheads</strong></td>
<td>Steve Dart (Vice President, Day &amp; Zimmerman)</td>
<td><strong>Modern Trends, Threats, &amp; Developments in Global Ordnance</strong></td>
<td>Dan Shea (General Director, Phoenix Defense)</td>
<td><strong>Developing a Secondary Safety &amp; Arming System for Mortars</strong></td>
<td>Emine Foust (Associate Professor, United States Military Academy)</td>
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<tr>
<td><strong>Sacrificial Scanning Laser Optic Detection Emitter</strong></td>
<td>Dr. Leo Volfson (Chief Executive Officer, Torrey Pines Logic)</td>
<td><strong>Assured Armaments Reference Architecture (AARA)</strong></td>
<td>Michael Brattoli (Assured Armaments Reference Architecture Lead, U.S. Army Combat Capabilities Development Command (DEVCOM))</td>
<td><strong>Applying Electromagnetic Simulation Tools to High Voltage Dump Loop Design</strong></td>
<td>Robert Hertlein (Senior Manager, RF/Wireless, L3Harris Fuzing &amp; Ordnance Systems)</td>
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<tr>
<td><strong>Flexible Armor for Robots</strong></td>
<td>Gabriel Todd (BD Lead, Verco Materials)</td>
<td><strong>Unmanned Panel</strong></td>
<td>Stavros Daskos (President and CEO, ING Robotic Aviation)</td>
<td><strong>Model Based Systems Engineering in Fuzing Applications</strong></td>
<td>Peter Rosen (Manager of Systems Engineering, Northrop Grumman Systems Corporation)</td>
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<td><strong>Riot Control Items Demil</strong></td>
<td>Daniel Giuliano (Chemical Engineer, FCDD-ACM-XD, U.S. Army Combat Capabilities Development Command (DEVCOM))</td>
<td><strong>High-Pressure Abrasive Waterjet System for U.S. Navy Range Cleanup Efforts at Vieques Island, Puerto Rico</strong></td>
<td>Matt Vieseman (Chemical Engineer, Gradient Technology)</td>
<td><strong>Thermal Degradation of Fluoropolymers Into the Gaseous Evolution of Per- and Poly-fluoroalkyl Substances (PFAS)</strong></td>
<td>Dr. Pamela Shoehan (Senior Research Engineer, U.S. Army Combat Capabilities Development Command (DEVCOM))</td>
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<tr>
<td><strong>NETWORKING LUNCH IN THE EXHIBIT HALL</strong></td>
<td><strong>SESSION CHAIR:</strong> JEREMY OLIGMEUER</td>
<td><strong>SESSION ASSISTANT:</strong> ABDULNASSIR ALABOUD</td>
<td><strong>SESSION CHAIR:</strong> ROY STREETZ</td>
<td><strong>SESSION ASSISTANT:</strong> BYRON LEE</td>
<td><strong>SESSION CHAIR:</strong> SYLVESTER ANYANWU</td>
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<td>Time</td>
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<td>Speaker(s)</td>
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<td>1:15 – 1:35 pm</td>
<td>Air Force Civil Engineer</td>
<td>Steven Lee Bailey, Research Engineer, Air Force Civil Engineer Center</td>
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<td>Suppressor Panel</td>
<td>Adam Jacob, Program Management Engineer, Joint Service Small Arms Program (JSSAP) Office, DEVCOM Armament Center (AC)</td>
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<td></td>
<td>Introduction and Overview of Suppressor Efforts under the Soldier Enhancement Program (SEP) Program</td>
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<td>Establishment of Suppressor Test Operating Procedures (TOP) – Joint Service Small Arms Metrics &amp; Evaluation (JSSAME)</td>
<td>Dr. Les Flemming, Engineer, Task Lead, Small Arms Signature Lab (SASLL), Naval Surface Warfare Center Crane Division (NSWC CD)</td>
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<td>What is SAAMI and the Establishment of Commercial Suppressor Standards</td>
<td>Alan Serven, Senior Director, Technical Affairs, SAAMI; Travis Thoren, Principal Quality Engineer, SIG Sauer</td>
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<td>JOTP-053 Automated Testing and Reporting</td>
<td>Steven Coulter, Electrical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division</td>
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<td>Fuze Synchronization for Collaborative Swarming Munitions</td>
<td>Pranav Patel, System Integration &amp; Test Engineer, L3Harris Advanced Systems &amp; Technologies Weapons and Sensor Programs</td>
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<td>Defuzer for Artillery Ammunition at Crane Army Ammunition Activity</td>
<td>Joseph Kerry, PMP, MEng, CSSGB, Project Officer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)</td>
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<td>Commercial Organic Chemical Waste Destruction Using Supercritical Water Oxidation</td>
<td>John Follin, Demil Project Manager, General Atomics; Ron Gallego, Engineer, General Atomics</td>
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<td>1:35 – 1:55 pm</td>
<td>Emerging Armament Technologies for Small Unmanned Systems</td>
<td>Lucius Taylor, Chief Engineer, Forward Deployed Rapid Prototyping, Naval Surface Warfare Center Crane Division (NSWC CD)</td>
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<td>WISSPR – Weapon Induced Subsonic Sound Pressure Reduction</td>
<td>Brian Hoffman, Chief Engineer for Man-Portable Weapons, Naval Surface Warfare Center Crane Division (NSWC CD)</td>
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<td>Reduction of Ti Spark in Titanium Suppressors</td>
<td>Kurtis Palu, Engineer, Thunder Beast Arms Corp.</td>
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<td>Stain Gauge Instrumentation of Bushmaster Cannon Bolt Lugs Provides High Resolution of Bolt Loads and Dynamic Response During Firing Events</td>
<td>Doan Truong, St. Principal Engineer Structural, Northrop Grumman Defense Systems</td>
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<td>Severe Perforation Trials with High-G Measurement System</td>
<td>Nicolas Stephanopoli, Test Engineer - Terminal Ballistics, CEA Military Applications Division</td>
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<td>Fuzing Implementation and Challenges for Advanced Missile Payload Systems</td>
<td>Eric Stoll, Electrical Engineer, Northrop Grumman; Chris Schott, Mechanical Engineer, Raytheon</td>
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<td>New Developments in High Capacity SDCS</td>
<td>Harley Heaton, Research &amp; Development Officer, Dynasafe; Charles Diggs, Chief Executive Officer, Dynasafe</td>
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<td>Mk12 Rocket Motor Hardware Reuse/Size Reduction of Double Base Propellant Grains</td>
<td>Jonathan White, Mechanical Engineer, U.S. Army Combat Capabilities Development Command Aviation &amp; Missile Center (DEVCOM AvMC)</td>
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**Legend:**
- **Fuze**
- **FFC**
- **Demil**
1:55 – 2:15 pm

**Robotic Ammunition Maneuvering System (RAMS)**
- Adam Brant
  - Project Manager, Sarcos Technology and Robotics Corporation/RE2 LLC
- Justin Lee Bressi
  - Business Development Manager, Sarcos Technology and Robotics Corporation/RE2 LLC

**Small Caliber Performance in Arctic Conditions**
- Thomas Grego
  - Branch Chief - Individual Weapons, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)
- Catherine Eaton
  - Batt Lab Division Director, Naval Surface Warfare Center Indian Head Division (NSWC IHD)

**An Innovative Test Technique for the S&A Devices in the Fuze Systems of Artillery Munitions**
- Utku Arkman
  - Fuze Design Specialist, Roketsan A.Ş.
- Aril Serdar
  - Senior Executive Engineer, Roketsan A.Ş.

**Additive Manufacturing Technology for Fuzing Electronics and Sensors**
- Gabe Smith
  - Mechanical Engineer, U.S. Army Combat Capabilities Development Command Army Research Lab (DEVCOM ARL)

**Rockeye Cluster Bomb Unit Download Process at Crane Army Ammunition Activity**
- Angel Gonzalez
  - Project Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Demil Technology Branch

**2:15 – 2:35 pm**

**NSWC Crane Tactical Uncrewed Weapons**
- Lucius Taylor
  - Chief Engineer, Forward Deployed Rapid Prototyping, Naval Surface Warfare Center Crane Division (NSWC CD)
- Phillip Burnside
  - Senior Mechanical Engineer, Naval Surface Warfare Center Crane Division (NSWC CD)

**Bigger Effects from Smaller Guns and Ammunition: Advanced Sabot Technologies for Small and Medium Caliber Weapons**
- Ronald Barrett
  - Professor of Aerospace Engineering, The University of Kansas

**Secure Communications Considerations for Future Joint Service EOD Capabilities**
- Adam Shaker
  - Mechanical Engineer, Naval Surface Warfare Center Indian Head Division (NSWC IHD)
- Andrew Czop
  - Unmanned Systems Branch Head, Naval Surface Warfare Center Indian Head Division (NSWC IHD)

**Army In-House Laboratory and Testing Capabilities to Evaluate Power Sources for Fuze and Munitions Applications**
- Giuseppe Di Benedetto
  - Power Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)
- Richard Detlor
  - Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC) Fuze Division

**Energetic Porous Silicon Igniters**
- Daniel Jean
  - Mechanical Engineer, U.S. Army Combat Capabilities Development Command Armies Research Lab (DEVCOM ARL)

**Expanding the APE 1236 Rotary Kiln Capacity for Medium Sized HE Filled Munitions**
- Sylvester Anyanwu
  - Program Engineer Officer Demilitarization, U.S. Army Joint Program Executive Office Armaments & Ammunition (JPEO A&A)
- Gary Moscavage, PMP
  - Demil Team Lead, U.S. Army Combat Capabilities Development Command Armaments Center (DEVCOM AC)

**2:35 – 3:20 pm**

**NETWORKING BREAK**
- SOUTH HALL 1
JOINT GENERAL SESSION (FFC, FUZE, GLOBAL DEMIL)

FFC & GLOBAL DEMIL | SOUTH HALL 2

3:20 – 4:10pm

AWARDS CEREMONY
SOUTH HALL 2

3:20 – 3:40 pm

Introducing Vertical Soldering Technology
Stephen Redington
Senior Engineer, U.S. Army Combat Capabilities Development Command
Ammunitions Center (DEVCOM AC) Fuze Division

Inherent Material Property Effects on Dimensional Stability of PBXN-9
Francis Milbower
Associate Manager, Mechanical Engineering L3Harris Fuzing and Ordnance Systems

3:40 – 4:00 pm

Laser Ignition – A Path Forward
Stephen Redington
Senior Engineer, U.S. Army Combat Capabilities Development Command
Ammunitions Center (DEVCOM AC) Fuze Division

Scalability and Production of Magnesium Oxide (MgO) for Thermal Batteries
Giuseppe Di Benedetto
Power Team Lead, U.S. Army Combat Capabilities Development Command (DEVCOM) Armaments Center

4:10 – 4:50 pm

KEYNOTE SPEAKER
SOUTH HALL 2

LTG Mykhailo Zabrodskyi
First Deputy Chairman of the National Security, Defense and Intelligence Committee of the Verkhovna Rada of Ukraine Invited

4:50 – 5:00 pm

CLOSING COMMENTS
SOUTH HALL 2

THURSDAY, SEPTEMBER 28

11:00 – 11:30 am

BUSES DEPART TO HUNTSVILLE FIREARMS TRAINING FACILITY
VON BRAUN CENTER
Box lunches provided to bus riders to enjoy enroute.

12:00 – 3:30 pm

LIVE-FIRE DEMONSTRATION
HUNTSVILLE FIREARMS TRAINING FACILITY

2:30 – 3:00 pm

EARLY BUS DEPARTS TO VON BRAUN CENTER
HUNTSVILLE FIREARMS TRAINING FACILITY

3:30 – 4:00 pm

FINAL BUS DEPARTS TO VON BRAUN CENTER
HUNTSVILLE FIREARMS TRAINING FACILITY

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