



NDIA
AT THE HEART
OF THE MISSION

UPDATED 9.1.21

FUTURE FORCE CAPABILITIES CONFERENCE & EXHIBITION

Armaments, Robotics, Munitions, and EOD

October 18 – 21 | Columbus, GA | [NDIA.org/FutureForce21](https://ndia.org/FutureForce21)

AGENDA

MONDAY, OCTOBER 18

11:00 am – 7:00 pm

REGISTRATION
SOUTH HALL LOBBY

1:50 – 2:00 pm

CAPABILITIES KICK-OFF
IRON WORKS BALLROOM

Don Sando

Deputy to the Commanding General and Director of Capabilities Development & Integration,
U.S. Army Maneuver Center of Excellence

2:00 – 3:00 pm

CONCEPTS DIVISION EMERGING TECHS
IRON WORKS BALLROOM

Don Sando

Deputy to the Commanding General and Director of Capabilities Development & Integration,
U.S. Army Maneuver Center of Excellence

Moderator

Jim Stone

Acting Director, Concept Development Division, Maneuver Capabilities Development & Integration Directorate
Invited

3:05 – 4:05 pm

ACM STRYKER AND EMERGING ARCTIC CONDITIONS
IRON WORKS BALLROOM

Don Sando

Deputy to the Commanding General and Director of Capabilities Development & Integration,
U.S. Army Maneuver Center of Excellence

Moderator

Dom Edwards

4:10 – 5:10 pm

MANEUVER BATTLE LAB/ACM'S
IRON WORKS BALLROOM

Don Sando

Deputy to the Commanding General and Director of Capabilities Development & Integration,
U.S. Army Maneuver Center of Excellence

Moderator

COL Christopher Budihas, USA

Director, Maneuver Battle Lab, Maneuver Capabilities Development & Integration Directorate

Moderator

Invited

5:10 – 6:30 pm

RECEPTION
NATIONAL INFANTRY MUSEUM

Don Sando

Deputy to the Commanding General and Director of Capabilities Development & Integration,
U.S. Army Maneuver Center of Excellence

TUESDAY, OCTOBER 19

- 7:00 am – 6:30 pm **REGISTRATION**
SOUTH HALL LOBBY
- 8:00 – 8:15 am **NDIA OPENING REMARKS**
IRON WORKS BALLROOM
MG James Boozer, USA (Ret)
Executive Vice President, National Defense Industrial Association (NDIA)
- 8:20 – 8:35 am **WELCOME REMARKS**
IRON WORKS BALLROOM
MG Patrick Donahoe, USA
Commanding General, U.S. Army Maneuver Center of Excellence
- 8:40 – 9:20 am **KEYNOTE SPEAKER**
IRON WORKS BALLROOM
Ellen Lord
Former Under Secretary of Defense for Acquisition & Sustainment
- 9:00 am – 6:30 pm **EXHIBIT HALL OPEN**
EXHIBIT NORTH AND SOUTH HALLS
- 9:20 – 9:50 am **NETWORKING BREAK**
EXHIBIT NORTH AND SOUTH HALLS
- 9:50 – 10:30 am **KEYNOTE SPEAKER**
IRON WORKS BALLROOM
LTG Scott McKean, USA
Deputy Commanding General, U.S. Army Futures Command
Director, Futures and Concepts Center
Invited
- 10:30 – 11:00 am **BUDGET BRIEF**
IRON WORKS BALLROOM
Jay Brannam
Executive Director, Munitions Industrial Base Task Force
- 11:00 am – 12:30 pm **NETWORKING LUNCH**
EXHIBIT NORTH AND SOUTH HALLS



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TUESDAY CONCURRENT BREAKOUT SESSIONS			
	ROBOTICS	SMALL ARMS	GARM
	SYCAMORE	IRON WORKS BALLROOM AB	ROOM 205
12:30 – 12:55 pm	<p>An Army Robotics and Autonomous Systems Update</p> <p>Matt Dooley Chief Executive Officer, Fidelium, LLC <i>Moderator</i></p> <p>Dr. Bob Sadowski Senior Robotics Scientist, Research, Technology, & Integration Directorate, Ground Vehicle Systems Center, U.S. Army Combat Capabilities Development Command (DEVCOM) <i>Invited</i></p> <p>MAJ Corey Wallace, USA Robot Combat Vehicle Lead, Next Generation Combat Vehicle Cross-Functional Team <i>Invited</i></p>	<p>PM Soldier Lethality Panel</p> <p>COL Scott Madore, USA Project Manager, Soldier Lethality, U.S. Army <i>Moderator</i></p> <p>David Oatley Executive Operations Group, Assistant Secretary of the Army for Acquisition, Logistics, & Technology, U.S. Army</p> <p>LTC Peter Stammersky, USA Product Manager, Individual Weapons, Office of the Product Manager for Individual Weapons</p> <p>LTC Joshua Headley, USA Product Manager, Next Generation Weapons, U.S. Army</p>	<p>23815</p> <p>Integrated Quality Management Reduces Risk for Armament, Robotic, and Munitions Manufacturers</p> <p>Thomas Hargett Senior Account Manager, TIP Technologies</p>
1:00 – 1:25 pm	<p>24083</p> <p>All-Domain Execution and Planning (ADEPT) Framework</p> <p>Camila Francolin Leader, Autonomy, Guidance, Navigation, & Control Division, Draper</p>	<p>23931</p> <p>MIM Frangible Energetic Projectiles for Medium-Caliber Weapons</p> <p>Howard Kent Chief Executive Officer, Armor Development Group LLC</p>	<p>24032</p> <p>Modernizing the Energetics Manufacturing Industrial Base</p> <p>Chris Marlow Project Manager, Franklin Engineering Group, Inc.</p>
1:30 – 1:55 pm	<p>24064</p> <p>Autonomous Robotic Systems Act as Force Multipliers to Improve Warfighting Safety and Increase Operational Tempo</p> <p>Jonathan Brown Manager, Business Development, RE2 Robotics</p>	<p>24017</p> <p>Modulation-Assisted Gun-Drilling</p> <p>Dr. James Mann Chief Executive Officer, M4 Sciences LLC</p>	<p>24017</p> <p>Modulation-Assisted Gun-Drilling</p> <p>Dr. James Mann Chief Executive Officer, M4 Sciences LLC</p>
2:00 – 2:25 pm	<p>24005</p> <p>Long-Life Gun Barrel Tests</p> <p>George Kontis Chief Executive Officer, Gun IQ International LLC</p>	<p>24021</p> <p>Winning the Gray Zone: The Importance of Intermediate Force Capabilities</p> <p>COL Wendell Leimbach, Jr., USA Director, Joint Intermediate Force Capabilities Office, U.S. Department of Defense</p>	<p>24021</p> <p>Winning the Gray Zone: The Importance of Intermediate Force Capabilities</p> <p>COL Wendell Leimbach, Jr., USA Director, Joint Intermediate Force Capabilities Office, U.S. Department of Defense</p>
	<p>24050</p> <p>The Development and Status of the Fire and Ordnance Control for Unmanned Systems (FOCUS)</p> <p>Thomas Spirock Electrical Engineer, Armaments Center, U.S. Army DEVCOM</p>	<p>24021</p> <p>Winning the Gray Zone: The Importance of Intermediate Force Capabilities</p> <p>COL Wendell Leimbach, Jr., USA Director, Joint Intermediate Force Capabilities Office, U.S. Department of Defense</p>	<p>24050</p> <p>The Development and Status of the Fire and Ordnance Control for Unmanned Systems (FOCUS)</p> <p>Thomas Spirock Electrical Engineer, Armaments Center, U.S. Army DEVCOM</p>

TUESDAY CONCURRENT BREAKOUT SESSIONS		
UEA	EOD	MES
ROOM 211	IRON WORKS BALLROOM C	FOUNDRY ROOM B
<p>24030</p> <p>Prism Demonstration</p> <p>Michael Greco Computer Scientist, Armaments Center, U.S. Army DEVCOM</p>	<p>DoD EOD Program Board Update</p>	<p>Ammunition Enterprise Cross-Service Update</p> <p>BG William Boruff, USA Joint Program Executive Officer, Armaments & Ammunition <i>Moderator</i> <i>Invited</i></p> <p>RADM Brian Corey, USN Program Executive Officer, Unmanned Aviation & Strike Weapons <i>Invited</i></p> <p>Brig Gen Heath Collins, USAF Program Executive Officer, Weapons, and Director, Armament Directorate, Air Force Materiel Command, Eglin Air Force Base, FL <i>Invited</i></p> <p>BG Gavin Gardner, USA Commander, Joint Munitions Command</p> <p>John Hedderich, III, SES Executive Director, Armaments Center, U.S. Army DEVCOM, U.S. Army Futures Command <i>Invited</i></p> <p>Scott Adams Program Manager, Marine Corps Systems Command, U.S. Marine Corps <i>Invited</i></p>
<p>24041</p> <p>Human Autonomy Interactions for Intelligent Weapons Systems</p> <p>Dr. Brent Lance Computer Scientist, U.S. Army Research Laboratory</p>	<p>Army Panel</p> <p>COL Shawn Kadlec, USA Director, Explosive Ordnance Disposal, Training & Doctrine Command Integration Office, U.S. Army Combined Arms Support Command</p> <p>COL Russ Hoff, USA Project Manager, Close Combat Systems, Joint Program Executive Office for Armaments & Ammunition</p> <p>LTC Clinton Pearce, USA Protection Branch Chief, Deputy Chief of Staff, Department of the Army (G-8)</p>	<p>Industry Panel: Large Business</p> <p>Jay Brennam Executive Director, Munitions Industrial Base Task Force <i>Moderator</i></p> <p>Jason Gaines Vice President and General Manager, Munitions Systems, Ordnance & Tactical Systems, General Dynamics <i>Invited</i></p> <p>Dan Olson Vice President and General Manager, Weapon Systems, Northrop Grumman</p> <p>Brett Flaughter President, Winchester <i>Invited</i></p> <p>Brian Gaithright Vice President, General Manager, Ordnance Systems, BAE Systems, Inc.</p> <p>Mike Yoh President, Munitions & Government, Day & Zimmerman Defense</p>
<p>24050</p> <p>The Development and Status of the Fire and Ordnance Control for Unmanned Systems (FOCUS)</p> <p>Thomas Spirock Electrical Engineer, Armaments Center, U.S. Army DEVCOM</p>	<p>USMC Panel</p> <p>Lt Col Jason Perry, USMC Headquarters, U.S. Marine Corps</p> <p>Capt Darryl Ellis, USMC Capabilities Integration Officer, Explosive Ordnance Disposal</p> <p>Rick Daly U.S. Marine Corps Systems Command</p>	<p>Industry Panel: Large Business</p> <p>Jay Brennam Executive Director, Munitions Industrial Base Task Force <i>Moderator</i></p> <p>Jason Gaines Vice President and General Manager, Munitions Systems, Ordnance & Tactical Systems, General Dynamics <i>Invited</i></p> <p>Dan Olson Vice President and General Manager, Weapon Systems, Northrop Grumman</p> <p>Brett Flaughter President, Winchester <i>Invited</i></p> <p>Brian Gaithright Vice President, General Manager, Ordnance Systems, BAE Systems, Inc.</p> <p>Mike Yoh President, Munitions & Government, Day & Zimmerman Defense</p>

TUESDAY CONCURRENT BREAKOUT SESSIONS			
	ROBOTICS	SMALL ARMS	GARM
	SYCAMORE	IRON WORKS BALLROOM AB	ROOM 205

2:25 – 2:55 pm **NETWORKING BREAK – EXHIBIT HALL**
EXHIBIT NORTH AND SOUTH HALLS

3:00 – 3:25 pm	<p>23987</p> <p>Considerations for Lethality Packages on Unmanned Ground Vehicle Platforms: Arming a Killer Robot</p> <p>BG Phillip Coker, USA (Ret) Chief Executive Officer, EOS Defense Systems USA, Inc.</p>	<p>Joint Service Small Arms Synchronization Team (JSSAST) Panel</p> <p>Gus Funcasta Chief, Joint Service Small Arms Program Office, Armaments Center, U.S. Army DEVCOM, U.S. Army Futures Command <i>Moderator</i></p> <p>COL Lance Green, USA Military Deputy, Armaments Center, U.S. Army DEVCOM</p> <p>COL Rhett Thompson, USA Director, Soldier Requirements Division, Maneuver Capabilities & Integration Directorate</p> <p>Christopher Woodburn Deputy, Maneuver Branch, Capabilities Directorate, Combat Development & Integration, Headquarters, U.S. Marine Corps</p> <p>Craig LaMudge Program Manager, Combat Arms, HQ USAF/A4SF</p> <p>CAPT Robert Bryans, USN Principal, Joint Service Small Arms Team, U.S. Navy</p> <p>CAPT David Ramassini, USCG Principal, Joint Service Small Arms Team, U.S. Coast Guard</p>	<p>24034</p> <p>Data Science & ML-Enabled Terminal Effects Optimization</p> <p>Roshan Patel Systems Engineer, U.S. Army</p> <p>Zachary Krogstad Data Scientist, Systems Analysis Division, Armaments Center, U.S. Army DEVCOM</p> <p>Kevin Eng Statistician, Armaments Center, U.S. Army DEVCOM</p>
3:30 – 3:55 pm	<p>23747</p> <p>Critical Scout – Repurposing Small Ground Robotic Vehicles TP Pinpoint Observers</p> <p>Howard Kent Chief Executive Officer, Armor Development Group LLC</p>	<p>24040</p> <p>Analytical Evaluation and Redesign of the MK44 Rounds Positioner Spring Using Adam Multibody Dynamics Simulation Software</p> <p>Jesse Behrens Senior Principal Systems Engineer, Northrop Grumman</p>	

UEA	EOD	MES
ROOM 211	IRON WORKS BALLROOM C	FOUNDRY ROOM B

<p>24073</p> <p>Range Extension for the Anti-Access Battlefield</p> <p>John Martins Director, International Programs, MBDA, Inc.</p>	<p>USMC Panel Continued</p>	<p>Industry Panel: Medium and Small Businesses</p> <p>Kevin Knotts President and Chief Executive Officer, Azimuth Consulting <i>Moderator</i></p> <p>David Siggers President, Spectra Technologies LLC <i>Invited</i></p> <p>Scott Selle President, Armtec Defense Technologies</p> <p>Nick Korinis President and Chief Executive Officer, SAVIT Corporation</p>
<p>23999</p> <p>Modernizing the Army by Utilizing Design of Experiments Approaches to Determine System Effectiveness in a Stochastic Infantry Simulation</p> <p>Kevin Singer Lead Military Operations Researcher, Armaments Center, U.S. Army DEVCOM</p>	<p>24011</p> <p>Enabling Explosive Ordnance Disposal Operations in the Electromagnetic Spectrum</p> <p>Jerry Coburn Senior Director, Business Development, Sierra Nevada Corporation</p> <p>David Barnhard Director, Business Development, Kutta Technologies, Inc.</p>	

TUESDAY CONCURRENT BREAKOUT SESSIONS			
	ROBOTICS	SMALL ARMS	GARM
	SYCAMORE	IRON WORKS BALLROOM AB	ROOM 205
4:00 – 4:25 pm	<p>24035</p> <p>FENRIS: Persistent Autonomous ISR in the Arctic and Beyond</p> <p>James Crowell Founder and Chief Executive Officer, Crow Industries</p>	<p>Joint Service Small Arms Program Office Session</p> <p>Gus Funcasta Chief, Joint Service Small Arms Program Office, Armaments Center, U.S. Army DEVCOM, U.S. Army Futures Command <i>Moderator</i></p> <p>Mark McFadden</p>	<p>24049</p> <p>Multifunction Sealing, Quality Assurance, and Ammunition Marking Systems</p> <p>Harry Arnon Chief Executive Officer, Herson Manufacturing, Inc.</p>
4:30 – 4:55 pm	<p>24070</p> <p>Gaining Decision-Making Advantage through Force Design and Mission Integration</p> <p>Bryan Clark Senior Fellow, Hudson Institute</p>	<p>Adam Jacob</p> <p>Marc Ritt Chairman, Joint Service Small Arms Program Science and Technology Advisory Council, Joint Service Small Arms Program Office</p> <p>Terence Rice</p> <p>Matthew Moller Lead, Soldier Lethality Cross-Functional Team, Armaments Center, U.S. Army DEVCOM, Joint Service Small Arms Program Office</p> <p>Corey Hall Manager, Joint Small Arms Small Business Innovation Research, Joint Service Small Arms Program Office</p> <p>Yvens Jean-Noel Lead, Systems Engineering, Joint Service Small Arms Program</p>	<p>United Nations (UN) Opportunities Presentation</p>
4:55 – 5:00 pm	CLOSING REMARKS	CLOSING REMARKS	CLOSING REMARKS
5:00 – 6:30 pm	<p>NETWORKING RECEPTION EXHIBIT NORTH AND SOUTH HALLS</p>		

TUESDAY CONCURRENT BREAKOUT SESSIONS		
UEA	EOD	MES
ROOM 211	IRON WORKS BALLROOM C	FOUNDRY ROOM B
<p>24025</p> <p>Decision Analytics for Threat Response</p> <p>Greg Sassaman Operations Research Analyst, Armaments Center, U.S. Army DEVCOM</p>	<p>24007</p> <p>Enhanced Situational Awareness for the Modern EOD Warrior</p> <p>Dr. Aris Makris Vice President, Research & Development, and Chief Technology Officer, Med-Eng</p>	<p>Energetics and Lethality: The Imperative to Reshape the U.S. Military Kill Chain</p> <p>Dr. Thomas Russell Former Deputy Assistant Secretary of the Army for Research & Technology</p> <p>Hon. Katrina McFarland Former Assistant Secretary of Defense for Acquisition</p> <p>Dr. Theresa Mayer Executive Vice President, Research & Partnerships, Purdue University</p> <p>Major General Bill Hix, USA (Ret) Former Chief, Strategy Office, U.S. Army</p> <p>Dr. Robert Wadle Consultant</p>
<p>23730</p> <p>Weatherizing Electronic Coating with Self-Healing Properties</p> <p>Dr. Evan Vickers Lead Material Scientist, NanoFlowX</p>	<p>24023</p> <p>Searchable Ordnance Database</p> <p>Anthony O'Shaughnassey Chief Executive Officer and Managing Partner, FMF Technology, LLC</p>	
CLOSING REMARKS	CLOSING REMARKS	CLOSING REMARKS

WEDNESDAY, OCTOBER 20

- 7:00 am – 5:00 pm **REGISTRATION**
SOUTH HALL LOBBY
- 8:00 – 8:15 am **OPENING REMARKS**
IRON WORKS BALLROOM
B. H. Henderson, III
Mayor of Columbus, Georgia
- 8:20 – 9:05 am **KEYNOTE SPEAKER**
IRON WORKS BALLROOM
GEN Ed Daly, USA
Commanding General, U.S. Army Materiel Command
Invited
- 9:00 am – 3:00 pm **EXHIBIT HALL OPEN**
EXHIBIT NORTH AND SOUTH HALLS
- 9:10 – 9:40 am **NETWORKING BREAK**
EXHIBIT NORTH AND SOUTH HALLS
- 9:40 – 10:25 am **DOD FOREIGN COMPARATIVE TEST OFFICE 2021 OVERVIEW**
IRON WORKS BALLROOM
Col Corey Beaverson, USAF
Director, Mission Prototype Office, Office of the Under Secretary of Defense for Research & Engineering
Invited
- 10:30 – 11:30 am **AWARDS PRESENTATION**
IRON WORKS BALLROOM
- 11:30 am – 1:00 pm **NETWORKING LUNCH**
EXHIBIT NORTH AND SOUTH HALLS

WEDNESDAY CONCURRENT BREAKOUT SESSIONS			
	ROBOTICS	SMALL ARMS	GARM
	SYCAMORE	IRON WORKS BALLROOM AB	ROOM 205
1:00 – 1:25 pm	<p>24039</p> <p>Hardware Enforced Data Separation Security on Autonomous Robotic Systems or: How I Learned to Stop Worrying and Trust the Robot</p> <p>Matthew Dosmann Vice President, Strategy, InZero Technologies</p>	<p>Suppressor Panel/Session</p> <p>Adam Jacob <i>Moderator</i></p> <p>24068</p> <p>STANREC 4785 Suppressor Testing</p> <p>David Dye Chief Scientist, Ammunition Systems, Naval Surface Warfare Center (NSWC) – Crane</p>	<p>24008</p> <p>Modular Multi-Mode Seeker</p> <p>Greg Newman Technical Director, Engineering, Elbit Systems of America</p>
1:30 – 1:55 pm	<p>24004</p> <p>Mobile Minefield: How to Kill Modern Tanks That Have Advanced Protection With Small Robots</p> <p>Dewey Akers Vice President, Sales, Spartan Armor Systems</p>	<p>Adam Jacob</p> <p>23964</p> <p>Suppressor Cleaning</p> <p>Zachary Torigian Mechanical Engineer, Armaments Center, U.S. Army DEVCOM</p>	<p>24009</p> <p>Shaping the Future of Indirect Fires</p> <p>Tiffany Winzell Executive Director, Business Development, Elbit Systems of America</p>
2:00 – 2:25 pm	<p>24058</p> <p>The Multi-Purpose Expeditionary Platform</p> <p>Caleb Holt Chief Executive Officer, Tracks North America, LLC</p>	<p>24054</p> <p>Intermediate Caliber Virtual-Baffle Suppressor System</p> <p>Dr. Phillip Burnside Mechanical Engineer, NSWC – Crane</p> <p>23979</p> <p>Surefire’s Advanced Suppressor Program-Blending Experience With Technology To The Warfighter</p> <p>Barry Dueck Vice President, Suppressor & Weapons Division, Surefire</p> <p>24052</p> <p>7.62 Mm Belt Fed Suppressor</p> <p>Phillip Haag Director, Research & Development, Radical Firearms/Radical Defense</p> <p>24061</p> <p>Maxim Defense M240 Suppressor</p> <p>David Steinbech Director, Military & Law Enforcement Sales, Maxim Defense, Inc.</p> <p>23988</p> <p>Modular Suppressor Test Bed Design of Experiments</p> <p>Daniel Cler General Engineer, Armaments Center, U.S. Army DEVCOM</p>	<p>24036</p> <p>Mk52 Chain Gun (7.62 X 62mm) History, Capabilities, Reliability, And Platform Integration</p> <p>Art O'Donnell Lead, Engineering, Northrop Grumman Defense Systems</p>

UEA	EOD	MES
ROOM 211	IRON WORKS BALLROOM C	FOUNDRY ROOM B
<p>Passive IR Projectile Tracking for RWS Closed-Loop Fire Control</p> <p>Matt Robertson Weapons Systems, NSWC – Crane</p>	<p>Navy Panel</p> <p>CAPT Josh Jackson, USN OPNAV N957</p>	<p>PM Acquisition Panel</p> <p>Chris Grassano Deputy Program Executive Officer, Joint Program Executive Office for Armaments & Ammunition <i>Moderator</i></p> <p>CAPT Brian Schorn, USN Project Director, Joint Bombs, Joint Program Executive Office for Armaments & Ammunition</p> <p>COL Russel Hoff, USA Project Manager, Close Combat Systems, Joint Program Executive Office for Armaments & Ammunition</p> <p>COL Anthony Gibbs, USA Project Manager, Combat Ammunition Systems, Joint Program Executive Office for Armaments & Ammunition</p> <p>COL Paul Alessio, USA Project Manager, Maneuver Ammunition Systems, Joint Program Executive Office for Armaments & Ammunition</p> <p>Matt Zimmerman Project Director, Joint Services, Joint Program Executive Office for Armaments & Ammunition <i>Invited</i></p>
<p>23729</p> <p>Hydrone Multi-Domain (Marine, Ground, Air) Vehicle</p> <p>Scott Kempshall President and Chief Executive Officer, HyALTA Aeronautics Inc.</p>		
<p>24006</p> <p>Armament Sustainment and Lethality Multipliers in Expeditionary Settings</p> <p>Jonathan Ross Manager, Strategic Initiatives, Marvin Engineering Co., Inc.</p>	<p>USAF Panel</p> <p>Dr. John Olive AFCEC/CXD</p>	

WEDNESDAY CONCURRENT BREAKOUT SESSIONS			
	ROBOTICS	SMALL ARMS	GARM
	SYCAMORE	IRON WORKS BALLROOM AB	ROOM 205
2:25 – 2:55 pm	NETWORKING BREAK EXHIBIT NORTH AND SOUTH HALLS		
3:00 – 3:25 pm	<p>24019</p> <p>AI-Enabled and UAS-Supported Terrain-Traversability Assessment for Off-Road Navigation of Robotic and Autonomous Systems (RAS)</p> <p>Dr. Yoichiro Endo Director, Robotics & Electromechanical Systems, Intelligent Automation, Inc.</p>	<p>24015</p> <p>Full-Performance Reduced-Range Bullets R2</p> <p>Johannes Sequard-Base, MSc Nostromo LLC</p>	<p>24063</p> <p>Counter-Improvised Explosive Devises (CIED)</p> <p>Dr. Benjamin Barrowes Senior Research Electrical Engineer, Cold Regions Research & Engineering Laboratory, U.S. Army Corps of Engineers</p>
3:30 – 3:55 pm	<p>24079</p> <p>Emerging Technologies for Armed Unmanned Systems</p> <p>Gus Taylor Chief Engineer, Weapons Systems, NSWC – Crane</p> <p>Ernesto Garcia-Lopez Special Programs Manager, Strategic Relationships Division, Business Interface Office, Enterprise & Systems Integration Center, Armaments Center, U.S. Army DEVCOM</p>	<p>24028</p> <p>Artificial Intelligence-Enabled Small Arms for Networked Lethality</p> <p>Ross Towers Lead, Future Fire Control Team, Small Arms, Armaments Center, U.S. Army DEVCOM</p>	<p>USMC – APBI</p> <p>Capt Howard Mill, USMC Chief Information Officer, Counter-UAS, Aviation Combat Element Division, Combat Development and Integration</p>
4:00 – 4:25 pm	<p>24038</p> <p>Optionally Manned Semi-Autonomous Howitzer</p> <p>Michael Evans Program Manager, Fires Programs, AM General LLC</p>	<p>24029</p> <p>Semi-Autonomous Engagement Mechanisms and Effects for Small Arms</p> <p>Ross Towers Lead, Future Fire Control Team, Small Arms, Armaments Center, U.S. Army DEVCOM</p>	<p>USN-APBI</p>
4:30 – 4:55 pm	<p>24014</p> <p>Perception-Based Robotic Reconnaissance Team Coordination in a Hostile Environment</p> <p>Dr. Hambisa Keno Principal Scientist, FAST Labs, BAE Systems</p>	<p>24048</p> <p>Mechanochemically Assisted Broaching of Refractory-Lined Gun Barrels</p> <p>Dr. Jason Davis Mechanical Engineer, NSWC – Crane</p>	<p>24045</p> <p>Xm914e2 Chain Gun – LW30 (30mm X 113mm) Capability on Light Tactical Vehicles</p> <p>John Inman System Engineer, Northrop Grumman</p>
4:55 – 5:00 pm	CLOSING REMARKS	CLOSING REMARKS	CLOSING REMARKS

UEA	EOD	MES
ROOM 211	IRON WORKS BALLROOM C	FOUNDRY ROOM B
<p>24060</p> <p>TRAPS: Empowering FWS-I and Storm Systems</p> <p>Leif Horton Vice President, Sales, TX-Tactical</p>	<p>Rapid Prototyping to Support EOD and Explosives Operations</p> <p>Dr. Ed Bundy Irregular Warfare Technical Support Directorate</p>	Session
<p>24056</p> <p>Reinforced Concrete Wall Performance Prediction Using Deep Neural Network</p> <p>David Holgado Senior Productive Design Engineer, Stone Security Engineering</p>	<p>24081</p> <p>The EOD Future Threat Landscape and Explosive Detection Technology Advancements</p> <p>Sean Dennis President, United States Bombs Tech Association</p>	Session
<p>24046</p> <p>Virtual Gunner</p> <p>William Nuckois Program Director, Ground Combat Systems, Elbit Systems of America</p>	<p>24076</p> <p>NSWC Indian Head Battle Lab</p> <p>Catherine Eaton Director, Battle Lab Division, NSWC – Indian Head</p>	Session
<p>24086</p> <p>Capability Integration: Considering for Delivering the Future</p> <p>Tom Henthorn Capability Developer, USG CTR, Joint Service Small Arms Program</p>	<p>24074</p> <p>Briefing on EOD Issues with Disposing of Insensitive Munitions</p> <p>Willie Snell Specialist, Explosive Ordnance Disposal Equipment, U.S. Army EOD Technical Detachment</p>	Session
CLOSING REMARKS	CLOSING REMARKS	CLOSING REMARKS

THURSDAY, OCTOBER 21

8:30 am

TRANSPORTATION PICK-UP

COLUMBUS, GA, CONVENTION AND TRADE CENTER

8:45 am

ARMOR RESTORATION SHOP

SAND HILL

10:45 am

RANGERS IN ACTION DEMONSTRATION

RANGER TRAINING BRIGADE (RTB)

11:30 am

TRANSPORT TO SMALL ARMS LIVE-FIRE DEMONSTRATION

12:00 pm

LUNCH

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.