



2019

GLOBAL EXPLOSIVE ORDNANCE DISPOSAL SYMPOSIUM & EXHIBITION

Innovation for the Future

August 6 – 8 | North Bethesda, MD | NDIA.org/GlobalEOD

AGENDA

MONDAY, AUGUST 5

1:00 – 5:00 pm	REGISTRATION OPEN GRAND FOYER
4:00 – 5:00 pm	BOARD OF DIRECTORS MEETING SENECA BOARD ROOM

TUESDAY, AUGUST 6

7:00 am – 5:00 pm	REGISTRATION OPEN GRAND FOYER
7:00 – 8:00 am	NETWORKING BREAKFAST GRAND FOYER
8:00 – 8:15 am	WELCOME REMARKS SALON F - H Eugene Squires Senior Partner, Squires & Fulcher, LLC Committee Chair, NDIA EOD Committee COL Leo Bradley, USA (Ret) Symposium Chair, NDIA EOD Committee
8:15 – 9:00 am	KEYNOTE SPEAKER SALON F - H Michael Cardash Former Commander, Israeli National Police Bomb Squad
9:00 am – 6:00 pm	EXHIBIT HALL OPENS GRAND A - E
9:00 – 9:45 am	MISSION KEYNOTE SALON F - H LTC Jeanette Bernaola, USA Battalion Commander, Operation Inherent Resolve-Combine Joint Task Force, USA <i>Invited</i>

9:45 – 10:15 am	<p>NETWORKING BREAK EXHIBIT HALL</p> <p>SILENT AUCTION BEGINS EXHIBIT HALL</p>
10:15 – 11:00 am	<p>FEATURED ADDRESS: COUNTERING WEAPONS OF MASS DESTRUCTION (CWMD) BRIEF SALON F - H</p> <p>RDML Joseph DiGuardo, USN Director, Counter-Weapons of Mass Destruction-Fusion Center, U.S. Special Operations Command (USSOCOM)</p> <p>FEATURED ADDRESS: OPERATION MARKSBURG: ADDING A FIELD PERSPECTIVE TO THE PROSECUTION OF TERRORISM BROOKSIDE</p> <p>Damien Spleeters Deputy Director of Operations, Conflict Armament Research</p>
10:15 – 11:30 am	<p>MILITARY TO CIVILIAN TRANSITION WORKSHOP GREAT FALLS</p> <p>MG Randy Manner, USA (Ret) Executive Leadership Coach (Prev. Senior Partner, Korn Ferry LLP)</p>
11:00 – 11:30 am	<p>EOD WARRIOR FOUNDATION UPDATE SALON F - H</p> <p>Nicole Motsek Executive Director, Explosive Ordnance Disposal Warrior Foundation</p> <p>IGNITION GENERATOR FOR INSENSITIVE AND TAILORABLE EFFECTS, AS A WARHEAD INITIATOR (IGNITE) WHITEFLINT AMPHITHEATER</p> <p>Eric Enig President and CEO, Enig Associates, Inc.</p>
11:30 – 12:30 pm	<p>NETWORKING LUNCH EXHIBIT HALL</p>

12:30 – 1:00 pm	<p>COMBATING TERRORISM TECHNICAL SUPPORT OFFICE (CTTSO) BRIEF TO INDUSTRY SALON F - H</p> <p>Dr. Edwin Bundy Program Manager, Improvised Defeat/Explosives Countermeasures, Combating Terrorism Technical Support Office (CTTSO)</p> <p>INNOVATIVE LONG-RANGE STANDOFF OPTICAL EXPLOSIVES & WMD DETECTION WHITEFLINT AMPHITHEATER</p> <p>Ed Dottery President, Alakai Defense Systems</p>
1:00 – 1:30 pm	<p>DTRA COUNTER IMPROVISED THREAT TECHNOLOGIES (RD-TT) UPDATE SALON F - H</p> <p>Lisa Swan Director, Counter Improvised Threat Technologies (RD-TT), Defense Threat Reduction Agency (DTRA)</p> <p>LONG WAVE IR (LWIR) POLARIZATION COMBINED WITH REFLECTIVE BAND CAMERA FOR ENHANCED DETECTION AND IDENTIFICATION OF SURFACE HAZARDS IN CLUTTERED SCENES WHITEFLINT AMPHITHEATER</p> <p>Dr. Francis Pantuso Research Advisor, U.S. Army Futures Command NVESD</p> <p>BRAIN HEALTH WORKSHOP: MEDICAL PANEL BROOKSIDE</p> <p>Stephen Phillips Senior Professional Staff, Johns Hopkins University Applied Physics Lab (JHU APL) <i>Moderator</i></p> <p>Dr. Joseph Long Chief, Blast-Induced Neurotrauma Branch, Walter Reed Army Institute of Research <i>Invited</i></p> <p>Dr. John Meyers Program Director, ANAM, Office of the Surgeon General of the Army</p>
1:30 – 2:00 pm	<p>NETWORKING BREAK EXHIBIT HALL</p>

<p>2:00 – 2:30 pm</p>	<p>DEPARTMENT OF HOMELAND SECURITY OFFICE OF BOMBING PREVENTION UPDATE SALON F - H William Byrd Deputy Chief, Office for Bombing Prevention (OBP) at Cybersecurity and Infrastructure Security Agency</p> <p>PRELIMINARY FIELD-TESTING RESULTS OF A COMPACT NEUTRON SOURCE FOR STANDOFF BURIED IED DETECTION WHITEFLINT AMPHITHEATER Steven Burger Director, Federal Business Development, Phoenix LLC</p> <p>BRAIN HEALTH WORKSHOP: MEDICAL PANEL BROOKSIDE Stephen Phillips Senior Professional Staff, Johns Hopkins University Applied Physics Lab (JHU APL) <i>Moderator</i></p> <p>Dr. Joseph Long Chief, Blast-Induced Neurotrauma Branch, Walter Reed Army Institute of Research <i>Invited</i></p> <p>Dr. John Meyers Program Director, ANAM, Office of the Surgeon General of the Army</p>
<p>2:30 – 3:00 pm</p>	<p>NAVSCOLEOD UPDATE SALON F - H CAPT Dean Muriano, USN Commanding Officer, Naval School Explosive Ordnance Disposal (NAVSCOLEOD)</p> <p>X-RAY TOOLKIT UPDATE WHITEFLINT AMPHITHEATER Bryce Eldridge Senior Member of Technical Staff, Sandia National Laboratories</p> <p>BRAIN HEALTH WORKSHOP: POLICY PANEL BROOKSIDE COL Michael Evans, USA 734 Co-Project Coordinator Ops <i>Moderator</i></p> <p>CAPT Scott Cota, USN MC, USN-Director of Branch Clinics Naval Medical Center Camp Lejeune, 734 Co-Project Medical Coordinator</p> <p>RDML Joseph DiGuardo, USN Director, Counter-Weapons of Mass Destruction-Fusion Center, U.S. Special Operations Command (USSOCOM)</p> <p>Kathy Lee, MS, CRNP, ANP-BC, CNRN Special Assistant to Deputy Assistant Secretary of Defense for Health Readiness Policy & Oversight (HRP&O) DoD, Health Affairs, Health Readiness Policy & Oversight</p> <p>Paul Scharre Senior Fellow and Director, Technology and National Security Program, Center for New American Security</p> <p>Dr. Terry Rauch Acting Assistant Secretary of Defense for Health Readiness and Policy Oversight</p>

3:00 – 3:30 pm	NETWORKING BREAK EXHIBIT HALL
3:30 – 4:00 pm	NATO COUNTER-IMPROVISED EXPLOSIVE DEVICE CENTER OF EXCELLENCE SALON F - H Col Stephen Kavanaugh Deputy Director, NATO Counter IED Centre of Excellence PYROSHOCK: COST-EFFECTIVE C-IED DEVICE FOR NEUTRALIZING OPERATING SYSTEMS OF IEDS CONTAINING SENSITIVE EXPLOSIVES WHITEFLINT AMPHITHEATER Ronnen Paytan Director, Business Development, Mistral Inc. BRAIN HEALTH WORKSHOP: POLICY PANEL CONTINUED BROOKSIDE COL Michael Evans, USA 734 Co-Project Coordinator Ops Moderator RDML Joseph DiGuardo, USN Director, Counter-Weapons of Mass Destruction-Fusion Center, U.S. Special Operations Command (USSOCOM) Kathy Lee, MS, CRNP, ANP-BC, CNRN Special Assistant to Deputy Assistant Secretary of Defense for Health Readiness Policy & Oversight (HRP&O) DoD, Health Affairs, Health Readiness Policy & Oversight Paul Scharre Senior Fellow and Director, Technology and National Security Program, Center for New American Security CAPT Scott Cota, USN MC, USN-Director of Branch Clinics Naval Medical Center Camp Lejeune, 734 Co-Project Medical Coordinator Dr. Terry Rauch Acting Assistant Secretary of Defense for Health Readiness and Policy Oversight
4:00 – 4:30 pm	RAVENS' CHALLENGE UPDATE SALON F - H John Simpson Program Manager, Bureau of Alcohol, Tobacco, Firearms and Explosives POSSIBLE EFFECTS OF WALL REFLECTIONS ON THE BLAST OVERPRESSURE THREAT TO BOMB TECHNICIANS – MEASUREMENT & ANALYTICAL TOOLS WHITEFLINT AMPHITHEATER Dr. Jean-Philippe Dionne Director, Research Engineering, Med-Eng BRAIN HEALTH WORKSHOP: TRAUMATIC BRAIN INJURY, POST-TRAUMATIC STRESS DISORDER AND SUICIDE PREVENTION BROOKSIDE

4:30 – 5:00 pm	<p>OSU: MSFS ARSON & EXPLOSIVES SALON F - H Tom Gersbeck Graduate Faculty/Military Liaison, Arson-Explosives Investigation (AEI) Program, OSU</p> <p>HOW THE NIJ BOMB SUIT STANDARD ADDRESSES BLAST EFFECTS & OPERATOR NEEDS WHITEFLINT AMPHITHEATER Dr. Jean-Philippe Dionne Director, Research Engineering, Med-Eng</p> <p>BRAIN HEALTH WORKSHOP: TRAUMATIC BRAIN INJURY, POST- TRAUMATIC STRESS DISORDER AND SUICIDE PREVENTION BROOKSIDE</p>
5:00 – 6:00 pm	<p>NETWORKING RECEPTION EXHIBIT HALL</p>
WEDNESDAY, AUGUST 7	
7:00 am – 5:00 pm	<p>REGISTRATION GRAND FOYER</p>
7:00 – 8:00 am	<p>NETWORKING BREAKFAST GRAND FOYER</p>
8:00 – 8:15 am	<p>ADMIN REMARKS SALON F - H COL Leo Bradley, USA (Ret) Symposium Chair, NDIA EOD Committee</p>

8:15 – 9:00 am	<p>CONGRESSIONAL PERSPECTIVE PANEL SALON F - H</p> <p>Col Wes Hallman, USAF (Ret) SVP, Policy, National Defense Industrial Association (NDIA) <i>Moderator</i></p> <p>John Holcomb Military Legislative Assistant, Office of Congressman Rick Crawford (AK-1)</p> <p>Maj Daniel Long, USAF USAF Office of Congressional Liaison</p> <p>Matthew Manning Military Legislative Assistant, Office of Congressman Jim Panetta (CA-20) <i>Invited</i></p> <p>TECHNICAL SOLUTIONS FOR HMA CHALLENGES BROOKSIDE</p> <p>William Bagley Johns Hopkins University <i>Moderator</i></p> <p>Sean Burke U.S. Army Humanitarian Demining R&D, Night Vision and Electronic Sensors Directorate <i>Invited</i></p> <p>Roland Evans Land Release, Operational Efficiency and Training Development</p> <p>LTC Alex Riebl, USA Office of Rule of Law and Security Institutions, UNMAS</p> <p>Allen Tan Director of Applied Technology, Golden West Humanitarian Foundation</p>
9:00 am – 3:30 pm	<p>EXHIBIT HALL OPEN SALON A - E</p>
9:00 – 9:45 am	<p>EOD WARRIOR FOUNDATION LECTURE: LONELINESS SALON F - H</p> <p>Dr. William Lopez, CPE Lead Medical Director, Cigna Behavioral Health</p> <p>HMA POLICY AND PROGRAMS: GROUNDWORK FOR THE FUTURE BROOKSIDE</p> <p>Suzanne Fiederlein Associate Director, James Madison University Center for International Stabilization and Recovery <i>Moderator</i></p> <p>Elise Becker Vice President, Operations, Marshall Legacy Institute</p> <p>Rob Jenkins Deputy Assistant Administrator, Bureau for Democracy, Conflict and Humanitarian Assistance, USAID</p> <p>Lewis Rasmussen Director, Corporate Relations Davidand Strategy, Tetra Tech</p> <p>Vennie Pikoulas-Psaros Resource Management Chief, Department of State, PM/WRA</p>

9:45 – 10:15 am	NETWORKING BREAK EXHIBIT HALL
10:15 – 11:00 am	IMPROVISED EXPLOSIVES DEVICE KEYNOTE SALON F - H Kirk Yeager Chief Explosives Scientist, Federal Bureau of Investigation (FBI)
11:00 – 11:30 am	CBRN CONSORTIUM/OTAS SALON F - H Mike Stebbins Executive Director, Countering Weapons of Mass Destruction Consortium and Medical CBRN Defense Consortium UAS DRONE DROP SIGNATURE IDENTIFICATION: DJI PHANTOM 3 STANDARD WHITEFLINT AMPHITHEATER Dr. Stephen Pearson Technical Forensic Exploitation Researcher, High Tech Crime Institute Inc.
11:30 – 12:30 pm	NETWORKING LUNCH EXHIBIT HALL SILENT AUCTION CLOSURES GRAND FOYER
12:30 – 1:30 pm	EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP BROOKSIDE LTG Reynold Hoover, USA (Ret) Former Deputy Commander, U.S. Northern Command (USNORTHCOM) Dr. William Lopez Senior Medical Director Behavioral Health, Cigna Matthew Reinhard, Psy.D. Director, War Related Illness and Injury Study Center, Veterans Affairs Medical Center Michael J. Roy, M.D., MPH, FACP, COL USA (Ret) Director, Division of Military Internal Medicine, Uniformed Services University of the Health Services (USUHS) Michael Cardash Former Commander, Israeli National Police Bomb Squad Dr. Kelly Posner Founder & Director, Columbia Lighthouse Project, Columbia University Center (CUC) <i>Invited</i> Chaplain Terry Romine (COL USA) Ordnance Corps Chaplain, U.S. Army

12:30 – 1:00 pm	<p>UNITED NATIONS MINE ACTION SERVICES (UNMAS) REQUIREMENTS SALON F - H LTC Alexander Riebl, USA IED Threat Mitigation Advisor, UN Mine Action Service</p> <p>UNMANNED SYSTEM (UXS) IPT AND ENGINEERING PRECEPTS FOR SAFE AUTONOMY WHITEFLINT AMPHITHEATER Jeff Fornoff Weapon System Explosives Safety Review Board (WSESRB) SME for VLS, UxS, DEW, and Ground Weapon Systems</p>
1:00 – 1:30 pm	<p>EPA UPDATE ON THE USE OF ALTERNATIVES TO OPEN BURN/OPEN DETONATION/BLOW-IN-PLACE SALON F - H Kenneth Shuster Lead Engineer, United States Environmental Protection Agency (USEPA) <i>Invited</i></p> <p>THE HYBRID THERMAL LANCE – A SAFE AND INEXPENSIVE WAY TO DESTROY UXO WITHOUT CAUSING DETONATION WHITEFLINT AMPHITHEATER Dr. Don Pratt Professor of Engineering, Messiah College</p>
1:30 – 2:00 pm	<p>NETWORKING BREAK EXHIBIT HALL</p>
2:00 – 4:00 pm	<p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP PANEL BROOKSIDE Michael Cardash Former Commander, Israeli National Police Bomb Squad</p> <p>LTG Reynold Hoover, USA (Ret) Former Deputy Commander, U.S. Northern Command (USNORTHCOM)</p> <p>Dr. William Lopez Senior Medical Director Behavioral Health, Cigna</p> <p>Matthew Reinhard, Psy.D. Director, War Related Illness and Injury Study Center, Veterans Affairs Medical Center</p> <p>Chaplain Terry Romine (COL USA) Ordnance Corps Chaplain, U.S. Army</p> <p>Michael J. Roy, M.D., MPH, FACP, COL USA (Ret) Director, Division of Military Internal Medicine, Uniformed Services University of the Health Services (USUHS)</p> <p>Dr. Kelly Posner Founder & Director, Columbia Lighthouse Project, Columbia University Center (CUC) <i>Invited</i></p>

2:00 – 3:00 pm	<p>COUNTERING WEAPONS OF MASS DESTRUCTION (CWMD) PANEL GREAT FALLS</p> <p>Warren Baugh Director Nuclear and DOE Programs, Tetra Tech <i>Moderator</i> <i>Invited</i></p> <p>Dave Huizenga Principal Assistant Deputy Administrator for Defense Nuclear Nonproliferation, U.S. Department of Energy, National Nuclear Safety Administration <i>Invited</i></p>
2:00 – 2:30 pm	<p>ARMY EXPLOSIVES SAFETY UPDATE SALON F - H</p> <p>COL Michael Evans, USA</p> <p>734 CO-PROJECT COORDINATOR OPSMARINE CORPS WARFIGHTING LAB UPDATE: AUTONOMOUS MINE & IED CLEARANCE WHITEFLINT AMPHITHEATER</p> <p>Robert Bamberger Principal Professional Staff, Intelligent Systems Group, Johns Hopkins University Applied Physics Lab (JHUAPL)</p>
2:30 – 3:00 pm	<p>FEATURED ADDRESS: JOINT EOD UPDATE SALON F - H</p> <p>RDML Eric Ver Hage, USN Commander, Commander, NAVSEA Warfare Centers</p> <p>EXPLOSION CHAMBER FOR CONFINEMENT OF AMMUNITION DESTRUCTION: DESIGN RULES AND APPLICATIONS WHITEFLINT AMPHITHEATER</p> <p>Jerome Mespoulet Shock-Physics Expert, Thiot Ingenierie</p>
3:00 – 3:30 pm	<p>NETWORKING BREAK EXHIBIT HALL</p> <p>SILENT AUCTION PICKUP GRAND FOYER</p>
3:30 pm	<p>EXHIBIT HALL CLOSES SALON A - E</p>

3:30 – 4:00 pm	<p>INTERNATIONAL 1: EOD CENTER OF EXCELLENCE SALON F - H Lt Col Ryszard Wacławik, POL ARMY Head of Technology Development Department, NATO EOD COE <i>Invited</i></p> <p>ADVANCES IN ORDNANCE DATA CLASSIFICATION, STORAGE AND TRANSMITTAL WHITEFLINT AMPHITHEATER Allen Tan Director of Applied Technology, Golden West Humanitarian Foundation</p>
4:00 – 4:30 pm	<p>INTERNATIONAL VIEWPOINT SALON F - H Colonel Gareth Bex OBE UK MOD Senior Explosives Engineer</p> <p>NSWC INDIAN HEAD EOD TECHNOLOGY DIVISION: EOD DEPARTMENT CURRENT PROJECTS WHITEFLINT AMPHITHEATER Amanda Vehslage Department Head, Explosive Ordnance Disposal Department, Naval Surface Warfare Center Indian Head</p>
4:30 – 5:00 pm	<p>GENEVA INTERNATIONAL CENTRE FOR HUMANITARIAN DEMINING BRIEF SALON F - H Rory Logan Advisor, Strategic Management & IMAS Review Board Secretary, Geneva International Centre for Humanitarian Demining (GICHD)</p> <p>WHAT WOULD A JOINT IED ANALYSIS TOOL LOOK LIKE TODAY IN A BIG DATA WORLD? WHITEFLINT AMPHITHEATER Stuart Booth Lead Engineer, Cogility Software Corporation</p>
THURSDAY, AUGUST 8	
7:00 – 12:00 pm	<p>REGISTRATION OPEN GRAND FOYER</p>
7:00 – 8:00 am	<p>NETWORKING BREAKFAST GRAND FOYER</p>
8:00 – 8:15 am	<p>ADMINISTRATIVE REMARKS SALON F - H COL Leo Bradley Chair, Global Explosives Ordnance Disposal Symposium, NDIA</p>

<p>8:15 – 9:00 am</p>	<p>ARMY REQUIREMENTS PANEL SALON F - H</p> <p>BG Heidi Hoyle, USA 41st Chief of Ordnance and Commandant of U.S. Army Ordnance School <i>Moderator</i></p> <p>MAJ James Alfaro, USA EOD Capability Development, Capability Development Integration Directorate (CDID), U.S. Army</p> <p>Louis Analure Product Manager, Unmanned Ground Vehicles, PM Force Protection</p> <p>MAJ Austin Banford, USA APM Soldier Protective Soldier Equipment, Program Executive Office Solider</p> <p>COL Jonathan Slater, USA Program Manager, Close Combat Systems, U.S. Army</p>
<p>9:00 – 9:45 am</p>	<p>USMC REQUIREMENTS PANEL SALON F - H</p> <p>Maj Jason Perry, USMC EOD Advocacy Section Head (LPE-2) <i>Moderator</i></p> <p>Richard Daley SYSCOM <i>Invited</i></p> <p>Maj Joe David, USMC EOD Capabilities Integration Officer, CD&I/MCCDC</p> <p>Maj Joe Hockett, USMC OIC, MarDet NSWG IH EOD Tech Division <i>Invited</i></p>
<p>9:45 – 10:15 am</p>	<p>NETWORKING BREAK GRAND FOYER</p>

10:15 – 11:00 am	<p>NAVY REQUIREMENTS PANEL SALON F - H</p> <p>RDML Brian Brakke, USN Commander Navy Expeditionary Combat Command</p> <p>CAPT Brad Andros, USN Branch Head, Expeditionary Combat Branch (OPNAV N957)</p> <p>LCDR Deward (Luc) Cummings, USN OIC, Navy EOD Fleet Liaison Unit (NAVEODFLT LAU)</p> <p>CAPT Scott H. Kraft, USN Commanding Officer, NSWC Indian Head EOD Technology Division</p> <p>LCDR Jonathan (Jon) Mocker PMS 408</p>
11:00 – 11:45 am	<p>USAF REQUIREMENTS PANEL SALON F - H</p> <p>Lt Col Miroslav Karamarinov, USAF</p> <p>Dr. John Olive</p> <p>Maj Nicolas Pulire, USAF EOD Program Director, U.S. Air Force</p> <p>Brian Skibba Invited</p>
11:45 pm	<p>CONFERENCE ADJOURNS GRAND BALLROOM F - H</p>
<p>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.</p>	