



2019

GLOBAL EXPLOSIVE ORDNANCE DISPOSAL SYMPOSIUM & EXHIBITION

Innovation for the Future

AGENDA

MONDAY, AUGUST 5

1:00 – 5:00 pm

REGISTRATION OPEN
GRAND FOYER

TUESDAY, AUGUST 6

7:00 am – 6:30 pm

REGISTRATION OPEN
GRAND FOYER

7:00 – 8:00 am

NETWORKING BREAKFAST
GRAND FOYER

8:00 – 8:15 am

WELCOME REMARKS
GRAND BALLROOM 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
GRAND BALLROOM F - H
Michael Cardash
Former Commander, Israeli National Police Bomb Squad

9:00 am

EXHIBIT HALL OPENS
GRAND A - E

9:00 – 9:45 am

MISSION KEYNOTE
GRAND BALLROOM F - H
LTC Jeanette Bartoromo, USA
Battalion Commander, Operation Inherent Resolve-Combine Joint Task Force, USA
Invited

9:45 – 10:15 am

NETWORKING BREAK
EXHIBIT HALL
SILENT AUCTION BEGINS
EXHIBIT HALL

10:15 – 11:00 am

KEYNOTE ADDRESS: CWMD BRIEF

GRAND BALLROOM F-H

RDML Joseph DiGuardo, USN

Director, Counter-Weapons of Mass Destruction-Fusion Center, U.S. Special Operations Command (USSOCOM)

BREAKOUT SESSION

BROOKSIDE

11:00 – 11:30 am

EOD WARRIOR FOUNDATION UPDATE

GRAND BALLROOM F - H

Nicole Motsek

Executive Director, Explosive Ordnance Disposal Warrior Foundation

**MARINE CORPS WARFIGHTING LAB UPDATE: AUTONOMOUS MINE
& IED CLEARANCE**

WHITEFLINT AMPHITHEATRE

11:30 – 12:30 pm

NETWORKING LUNCH

EXHIBIT HALL

12:30 – 1:00 pm

COMBATING TERRORISM TECHNICAL SUPPORT OFFICE (CTTSO)

BRIEF TO INDUSTRY

GRAND BALLROOM F - H

Dr. Edwin Bundy

Program Manager, Improved Defeat/Explosives Countermeasures, Combating Terrorism Technical Support Office (CTTSO)

INNOVATIVE LONG-RANGE STANDOFF OPTICAL EXPLOSIVES & WMD DETECTION

WHITEFLINT AMPHITHEATER

Ed Dottery

President, Alakai Defense Systems

<p>1:00 – 1:30 pm</p>	<p>DTRA COUNTER IMPROVISED THREAT TECHNOLOGIES (RD-TT) UPDATE GRAND BALLROOM F – H Lisa Swan Director, Material Solutions, Joint Improvised-Threat Defeat Organization</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 Dr. Francis Pantuso Research Advisor, U.S. Army Futures Command NVESD</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. Matthew Reinhart Director, War Related Illness and Injury Study Center, U.S. Department of Veterans' Affairs <i>Invited</i></p> <p>Dr John Meyers Program Director, ANAM, Office of the Surgeon General of the Army <i>Invited</i></p> <p>CDR (Dr.) Josh Duckworth, USN Deputy Director of Research and Technology, Uniformed Services University of the Health Sciences (USUHS) <i>Invited</i></p>
<p>1:30 – 2:00 pm</p>	<p>NETWORKING BREAK EXHIBIT HALL</p>

2:00 – 2:30 pm

**DEPARTMENT OF HOMELAND SECURITY OFFICE OF BOMBING
PREVENTION UPDATE**

GRAND BALLROOM F-H

William Byrd

Deputy Chief, Office for Bombing Prevention (OBP) at Cybersecurity and Infrastructure Security Agency

**PRELIMINARY FIELD-TESTING RESULTS OF A COMPACT NEUTRON SOURCE FOR
STANDOFF BURIED IED DETECTION**

WHITEFLINT AMPHITHEATER

Steven Burger

Director, Federal Business Development, Phoenix LLC

BRAIN HEALTH WORKSHOP: MEDICAL PANEL

BROOKSIDE

Stephen Phillips

Senior Professional Staff, Johns Hopkins University Applied Physics Lab (JHU APL)

Moderator

Dr. Joseph Long

Chief, Blast-Induced Neurotrauma Branch, Walter Reed Army Institute of Research

Invited

Dr. Matthew Reinhart

Director, War Related Illness and Injury Study Center, U.S. Department of Veterans' Affairs

Invited

Dr John Meyers

Program Director, ANAM, Office of the Surgeon General of the Army

Invited

CDR (Dr.) Josh Duckworth, USN

Deputy Director of Research and Technology, Uniformed Services University of the Health Sciences (USUHS)

Invited

<p>2:30 – 3:00 pm</p>	<p>NAVSCOLEOD UPDATE GRAND BALLROOM F – H</p> <p>X-RAY TOOLKIT UPDATE WHITEFLINT AMPHITHEATER</p> <p>Bryce Eldridge Senior Member of Technical Staff, Sandia National Laboratories</p> <p>BRAIN HEALTH WORKSHOP: POLICY PANEL BROOKSIDE</p> <p>COL Michael Evans, USA 734 Co-Project Coordinator Ops <i>Moderator</i></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 <i>Invited</i></p> <p>Paul Scharre Senior Fellow and Director, Technology and National Security Program, Center for New American Security</p> <p>CAPT Scott Cota, USN MC, USN-Director of Branch Clinics Naval Medical Center Camp Lejeune, 734 Co-Project Medical Coordinator <i>Invited</i></p> <p>Dr. Terry Rausch Acting Assistant Secretary of Defense for Health Readiness and Policy Oversight <i>Invited</i></p>
<p>3:00 – 3:30 pm</p>	<p>NETWORKING BREAK EXHIBIT HALL</p>

<p>3:30 – 4:00 pm</p>	<p>NATO COUNTER-IMPROVISED EXPLOSIVE DEVICE CENTER OF EXCELLENCE GRAND BALLROOM F – H Col Stephen Kavanaugh Deputy Director, NATO Counter IED Centre of Excellence</p> <p>PYROSHOCK: COST-EFFECTIVE C-IED DEVICE FOR NEUTRALIZING OPERATING SYSTEMS OF IEDS CONTAINING SENSITIVE EXPLOSIVES WHITEFLINT AMPHITHEATER</p> <p>BRAIN HEALTH WORKSHOP: POLICY PANEL CONTINUED BROOKSIDE COL Michael Evans, USA 734 Co-Project Coordinator Ops <i>Moderator</i></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 <i>Invited</i></p> <p>Paul Scharre Senior Fellow and Director, Technology and National Security Program, Center for New American Security</p> <p>CAPT Scott Cota, USN MC, USN-Director of Branch Clinics Naval Medical Center Camp Lejeune, 734 Co-Project Medical Coordinator <i>Invited</i></p> <p>Dr. Terry Rausch Acting Assistant Secretary of Defense for Health Readiness and Policy Oversight <i>Invited</i></p>
<p>4:00 – 4:30 pm</p>	<p>RAVENS' CHALLENGE UPDATE GRAND BALLROOM F-H John Simpson Program Manager, Bureau of Alcohol, Tobacco, Firearms and Explosives</p> <p>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</p> <p>BRAIN HEALTH WORKSHOP: TRAUMATIC BRAIN INJURY, POST-TRAUMATIC STRESS DISORDER AND SUICIDE PREVENTION BROOKSIDE</p>

<p>4:30 – 5:00 pm</p>	<p>OSU: MSFS ARSON & EXPLOSIVES GRAND BALLROOM 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>
<p>5:00 – 6:00 pm</p>	<p>NETWORKING RECEPTION EXHIBIT HALL</p>
<p>WEDNESDAY, AUGUST 7</p>	
<p>7:00 am – 5:00 pm</p>	<p>REGISTRATION GRAND FOYER</p>
<p>7:00 – 8:00 am</p>	<p>NETWORKING BREAKFAST GRAND FOYER</p>
<p>8:00 – 8:15 am</p>	<p>ADMIN REMARKS GRAND BALLROOM F - H COL Leo Bradley, USA (Ret) Symposium Chair, NDIA EOD Committee</p>
<p>8:15 – 9:00 am</p>	<p>CONGRESSIONAL PERSPECTIVE PANEL GRAND BALLROOM F- H 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>

9:00 am	<p>EXHIBIT HALL OPENS GRAND A - E</p>
9:00 – 9:45 am	<p>EOD WARRIOR FOUNDATION LECTURE: LONELINESS GRAND BALLROOM F – H Dr. William Lopez, CPE Lead Medical Director, CIGNA Behavioral Health</p>
9:45 – 10:15 am	<p>NETWORKING BREAK EXHIBIT HALL</p>
10:15 – 11:00 am	<p>IMPROVISED EXPLOSIVES DEVICE KEYNOTE GRAND BALLROOM F-H Kirk Yeager Chief Explosives Scientist, Federal Bureau of Investigation (FBI)</p>
11:00 – 11:30 am	<p>CBRN CONSORTIUM/OTAs GRAND BALLROOM F - H Mike Stebbins Executive Director, Countering Weapons of Mass Destruction Consortium and Medical CBRN Defense Consortium</p> <p>UAS DRONE DROP SIGNATURE IDENTIFICATION: DJI PHANTOM 3 STANDARD WHITEFLINT AMPHITHEATER Dr. Stephen Pearson Technical Forensic Exploitation Researcher, High Tech Crime Institute Inc.</p>
11:30 – 12:30 pm	<p>NETWORKING LUNCH EXHIBIT HALL</p> <p>SILENT AUCTION CLOSES GRAND FOYER</p>
12:30 – 1:30 pm	<p>MILITARY TO CIVILIAN TRANSITION WORKSHOP GREAT FALLS MG Randy Manner, USA (Ret) Executive Leadership Coach (Prev. Senior Partner, Korn Ferry LLP)</p>

<p>12:30 – 1:00 pm</p>	<p>UNITED NATIONS MINE ACTION SERVICES (UNMAS) REQUIREMENTS GRAND BALLROOM F - H LTC Alexander Riebl, USA IED Threat Mitigation Advisor, UN Mine Action Service <i>Invited</i></p> <p>UNMANNED SYSTEM (UXS) IPT AND ENGINEERING PRECEPTS FOR SAFE AUTONOMY WHITEFLINT AMPHITHEATER</p> <p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP BROOKSIDE</p>
<p>1:00 – 1:30 pm</p>	<p>EPA UPDATE ON THE USE OF ALTERNATIVES TO OPEN BURN/OPEN DETONATION/BLOW-IN-PLACE GRAND BALLROOM 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> <p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP BROOKSIDE</p>
<p>1:30 – 2:00 pm</p>	<p>NETWORKING BREAK EXHIBIT HALL</p>
<p>2:00 – 2:30 pm</p>	<p>EXPLOSIVES SAFETY UPDATE GRAND BALLROOM F - H</p> <p>IGNITION GENERATOR FOR INSENSITIVE AND TAILORABLE EFFECTS, AS A WARHEAD INITIATOR (IGNITE) WHITEFLINT AMPITHEATER Eric Enig President and CEO, Enig Associates, Inc.</p> <p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP BROOKSIDE Michael Cardash Former Commander, Israeli National Police Bomb Squad</p>

<p>2:30 – 3:00 pm</p>	<p>KEYNOTE ADDRESS: NSWC UPDATE GRAND BALLROOM F – H RDML Eric H. Ver Hage, USN Commander, Naval Surface Warfare Center (NSWC)/Commander, Naval Undersea Warfare Center (NUWC) <i>Invited</i></p> <p>EXPLOSION CHAMBER FOR CONFINEMENT OF AMMUNITION DESTRUCTION: DESIGN RULES AND APPLICATIONS WHITEFLINT AMPHITHEATER Jerome Mespoulet Shock-Physics Expert, Thiot Ingenierie</p> <p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP BROOKSIDE</p>
<p>3:00 – 3:30 pm</p>	<p>NETWORKING BREAK EXHIBIT HALL</p> <p>SILENT AUCTION PICKUP GRAND FOYER</p>
<p>3:30 pm</p>	<p>EXHIBIT HALL CLOSES GRAND A - E</p>
<p>3:30 – 4:00 pm</p>	<p>INTERNATIONAL 1: EOD CENTER OF EXCELLENCE GRAND BALLROOM F - H</p> <p>ADVANCES IN ORDNANCE DATA CLASSIFICATION, STORAGE AND TRANSMITTAL WHITEFLINT AMPHITHEATER Allen Tan Director of Applied Technology, Golden West Humanitarian Foundation</p> <p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP PANEL BROOKSIDE Nicole Motsek Executive Director, Explosive Ordnance Disposal Warrior Foundation <i>Moderator</i></p> <p>Michael Cardash Former Commander, Israeli National Police Bomb Squad</p>

<p>4:00 – 4:30 pm</p>	<p>INTERNATIONAL VIEWPOINT GRAND BALLROOM F – H Gareth Bex 29EODSGp-COMD <i>Invited</i></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> <p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP: SURVIVORS OF ATTEMPTED SUICIDE BROOKSIDE Nicole Motsek Executive Director, Explosive Ordnance Disposal Warrior Foundation <i>Moderator</i></p> <p>Michael Cardash Former Commander, Israeli National Police Bomb Squad</p>
<p>4:30 – 5:00 pm</p>	<p>GENEVA INTERNATIONAL CENTRE FOR HUMANITARIAN DEMINING BRIEF GRAND BALLROOM 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>
<p>THURSDAY, AUGUST 8</p>	
<p>7:00 – 12:00 pm</p>	<p>REGISTRATION OPEN GRAND FOYER</p>
<p>7:00 – 8:00 am</p>	<p>NETWORKING BREAKFAST GRAND FOYER</p>
<p>8:00 – 8:15 am</p>	<p>ADMINISTRATIVE REMARKS GRAND BALLROOM F - H COL Leo Bradley Chair, Global Explosives Ordnance Disposal Symposium, NDIA</p>