



2019

GLOBAL EXPLOSIVE ORDNANCE DISPOSAL SYMPOSIUM & EXHIBITION

Innovation for the Future

August 6 – 8 | North Bethesda, MD | [NDIA.org/GlobalEOD](https://ndia.org/GlobalEOD)

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)
Conference 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 – 9:45 am **MISSION KEYNOTE**
GRAND BALLROOM F - H
LTC Bartoromo
Battalion Commander, Operation Inherent Resolve-Combine Joint Task Force, USA

9:45 – 10:15 am **NETWORKING BREAK**
GRAND BALLROOM F - H

EXHIBIT HALL OPENS
GRAND A - E

SILENT AUCTION BEGINS
EXHIBIT HALL/GRAND FOYER

10:15 – 11:00 am

OPEN

GRAND BALLROOM F-H

RDML Joseph DiGuardo

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

JIDO REQUIREMENTS PANEL

BROOKSIDE

Lisa Swan

Director, Material Solutions, Joint Improvised-Threat Defeat Organization
invited

11:00 – 11:30 am

EOD WARRIOR FOUNDATION UPDATE

GRAND BALLROOM F - H

Nichole Motsek

Executive Director, Explosives Ordnance Disposal Warrior Foundation

11:30 – 12:30 pm

NETWORKING LUNCH

GRAND BALLROOM A-E / FOYER

12:30 – 1:00 pm

COMBATING TERRORISM TECHNICAL SUPPORT OFFICE (CTTSO)

BRIEF TO INDUSTRY

GRAND BALLROOM F - H

Dr. Edwin Bundy

Program Manager, Improvised 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

KEYNOTE ADDRESS

BROOKSIDE

Paul Scharre

Director, Technology and National Security Program, Center for a New American Security (CNAS)
invited

1:00 – 1:30 pm

ASIA PACIFIC COUNTER-IMPROVISED EXPLOSIVES DEVICE FUSION CENTER
GRAND BALLROOM F - H

**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

MEDICAL PANEL

BROOKSIDE

Dr. Stephen Philips

Johns Hopkins University Applied Physics Lab (JHU APL)

Moderator

Invited

Dr. Long

Walter Reed National Military Medical Group

Invited

1:30 – 2:00 pm

NETWORKING BREAK

GRAND A – E / GRAND FOYER

2:00 – 2:30 pm

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

GRAND BALLROOM F-H

William Byrd

Deputy Chief, Office of 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

MEDICAL PANEL CONTINUED

BROOKSIDE

Dr. Stephen Philips

Johns Hopkins University Applied Physics Lab (JHU APL)

Moderator

Invited

Dr. Long

Walter Reed National Military Medical Group

Invited

2:30 – 3:00 pm

NGIC: POST BLAST/CALDERA

GRAND BALLROOM F – H

X-RAY TOOLKIT UPDATE

WHITEFLINT AMPHITHEATER

Bryce Eldridge

Senior Member of Technical Staff, Sandia National Laboratories

POLICY PANEL

BROOKSIDE

COL Michael Evans

734 Co-Project Coordinator Ops

Moderator

Invited

RDML Joseph DiGuardo

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 Koda

United States Navy

Dr. Terry Rausch

Acting Assistant Secretary of Defense for Health Readiness and Policy Oversight

3:00 – 3:30 pm

NETWORKING BREAK

GRAND A – E / GRAND FOYER

3:30 – 4:00 pm

NATO COUNTER-IMPROVISED EXPLOSIVE DEVICE CENTER OF EXCELLENCE

GRAND BALLROOM 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.

POLICY PANEL CONTINUED

BROOKSIDE

COL Michael Evans

734 Co-Project Coordinator Ops

Moderator

Invited

RDML Joseph DiGuardo

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 Koda

United States Navy

Dr. Terry Rausch

Acting Assistant Secretary of Defense for Health Readiness and Policy Oversight

4:00 – 4:30 pm

RAVENS' CHALLENGE UPDATE

GRAND BALLROOM 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

VETERANS' AFFAIRS UPDATE

BROOKSIDE

4:30 – 5:00 pm

OSU: MSFS ARSON & EXPLOSIVES

GRAND BALLROOM F-H

Tom Gersbeck

Graduate Faculty/Military Liaison, Arson-Explosives Investigation (AEI) Program, OSU

HOW THE NIJ BOMB SUIT STANDARD ADDRESSES BLAST EFFECTS & OPERATOR NEEDS

WHITEFLINT AMPHITHEATER

Dr. Jean-Philippe Dionne

Director, Research Engineering, Med-Eng

WRAP UP

BROOKSIDE

5:00 – 6:00 pm

NETWORKING RECEPTION

GRAND BALLROOM A - E / GRAND FOYER

WEDNESDAY, AUGUST 7

7:00 am – 5:00 pm

REGISTRATION

GRAND FOYER

7:00 – 8:00 am

NETWORKING BREAKFAST

GRAND FOYER

8:00 – 8:15 am

ADMIN REMARKS

GRAND BALLROOM F - H

COL Leo Bradley, USA (Ret)

Chair, Global Explosives Ordnance Disposal Symposium, NDIA

8:15 – 9:00 am

CONGRESSIONAL PERSPECTIVE PANEL

GRAND BALLROOM F- H

Moderator: Col Wes Hallman, USAF (Ret)

SVP, Policy, National Defense Industrial Association (NDIA)

9:00 – 9:45 am

EOD WARRIOR FOUNDATION LECTURE: LONELINESS

GRAND BALLROOM F – H

Dr. William Lopez, CPE

Lead Medical Director, CIGNA Behavioral Health

9:45 – 10:15 am

NETWORKING BREAK

GRAND BALLROOM A - E / GRAND FOYER

10:15 – 11:00 am	IMPROVISED EXPLOSIVES DEVICE KEYNOTE GRAND BALLROOM F-H Kirk Yeager Chief Explosives Scientist, Federal Bureau of Investigation (FBI)
11:00 – 11:30 am	CBRN CONSORTIUM/OTAS GRAND BALLROOM 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. EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP: KEYNOTE ADDRESS BROOKSIDE Dr. William Lopez Senior Medical Director Behavioral Health, CIGNA
11:30 – 12:30 pm	NETWORKING LUNCH GRAND BALLROOM A - E / GRAND FOYER Silent Auction Closes
12:30 – 1:30 pm	EOD WARRIOR FOUNDATION WORKSHOP GREAT FALLS MG Randy Manner, USA (Ret) Executive Leadership Coach (Prev. Senior Partner, Korn Ferry LLP) EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP: DOD/VA RESEARCH UPDATES BROOKSIDE Nicole Motsek Executive Director, EOD Warrior Foundation Michelle Costanzo Director of Research, Washington D.C. War Related Illness & Injury Study Center (WRIISC-DC), VA Medical Center COL Michael Roy, MD, MPH, USA (Ret) Director, Division of Military Internal Medicine, Uniformed Services University (USU)

12:30 – 1:00 pm

UNITED NATIONS MINE ACTION SERVICES (UNMNAS) REQUIREMENTS

GRAND BALLROOM F - H

Bryan Sand

Senior Advisor, Global Strategic Policy, United Nations

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

1:00 – 1:30 pm

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)

THE HYBRID THERMAL LANCE – A SAFE AND INEXPENSIVE WAY TO DESTROY UXO WITHOUT CAUSING DETONATION

BROOKSIDE

Dr. Don Pratt

Professor of Engineering, Messiah College

1:30 – 2:00 pm

NETWORKING BREAK

GRAND BALLROOM A - E / GRAND FOYER

2:00 – 2:30 pm

EXPLOSIVES SAFETY

GRAND BALLROOM F - H

Mike Evans

Liasion to Department of Defense Explosives Safety Board (DDESB), U.S. Army

IGNITION GENERATOR FOR INSENSITIVE AND TAILORABLE EFFECTS, AS A WARHEAD INITIATOR (IGNITE)

WHITEFLINT AMPITHEATER

Eric Enig

President and CEO, Enig Associates, Inc.

EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP: COLUMBIA LIGHTHOUSE PROJECT UPDATE

BROOKSIDE

Dr. Kelly Posner

Founder & Director, Columbia Lighthouse Project, Columbia University Center

2:30 – 3:00 pm	<p>CWMD BRIEF GRAND BALLROOM F – H</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> <p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP: ELIZABETH DOLE FOUNDATION UPDATE BROOKSIDE</p> <p>Nicole Motsek Executive Director, EOD Warrior Foundation</p>
3:00 – 3:30 pm	<p>NETWORKING BREAK GRAND BALLROOM A - E / GRAND FOYER</p> <p>Silent Auction Pickup</p>
3:30 – 4:00 pm	<p>INTERNATIONAL 1: EOD CENTER OF EXCELLENCE GRAND BALLROOM F - H</p> <p>ADVANCES IN ORDNANCE DATA CLASSIFICATION, STORAGE AND TRANSMITTAL WHITEFLINT AMPHITHEATER</p> <p>Allen Tan Director of Applied Technology, Golden West Humanitarian Foundation</p> <p>EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP: THE SURVIVING SPOUSE OF A SUICIDE VICTIM BROOKSIDE</p> <p>Nicole Motsek Executive Director, EOD Warrior Foundation</p>
4:00 – 4:30 pm	<p>OPEN GRAND BALLROOM F - H</p> <p>NSWC INDIAN HEAD EOD TECHNOLOGY DIVISION: EOD DEPARTMENT CURRENT PROJECTS WHITEFLINT AMPHITHEATER</p> <p>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</p> <p>Nicole Motsek Executive Director, EOD Warrior Foundation</p>

4:30 – 5:00 pm

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)

WHAT WOULD A JOINT IED ANALYSIS TOOL LOOK LIKE TODAY IN A BIG DATA WORLD?

WHITEFLINT AMPHITHEATER

Stuart Booth

Lead Engineer, Cogility Software Corporation

EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP: A WARFIGHTING PERSPECTIVE

BROOKSIDE

Nicole Motsek

Executive Director, EOD Warrior Foundation

6:00 pm

EXHIBIT HALL CLOSES

GRAND A - E

THURSDAY, AUGUST 8

7:00 – 12:00 pm

REGISTRATION OPEN

GRAND FOYER

7:00 – 8:00 am

NETWORKING BREAKFAST

GRAND FOYER

8:00 – 8:15 am

ADMINISTRATIVE REMARKS

GRAND BALLROOM F - H

COL Leo Bradley

Chair, Global Explosives Ordnance Disposal Symposium, NDIA

8:15 – 9:00 am

ARMY REQUIREMENTS PANEL

GRAND BALLROOM F - H

BG Heidi Hoyle

41st Chief of Ordnance and Commandant of U.S. Army Ordnance School
Moderator

COL Martin Weber, USA

Director for Capabilities Management & Explosives Ordnance Disposal, U.S. Army Training & Doctrine Command (TRADOC)

COL Jonathan Slater, USA

Program Manager, Close Combat Systems, U.S. Army
invited

Maj Austin Banford

Program Executive Officer, USMC
invited

Louis Analure

Product Manager, Unmanned Ground Vehicles, PM Force Protection
invited

9:00 – 9:45 am

USMC REQUIREMENTS PANEL

GRAND BALLROOM F - H

Maj Jason Perry

EOD Advocacy Section Head (LPE-2)
Moderator

Maj Joe David

EOD Capabilities Integration Officer, CD&I/MCCDC

Maj Joe Hockett

OIC, MarDet NSWC IH EOD Tech Division

Richard Daley

SYSCOM

9:45 – 10:15 am

NETWORKING BREAK

GRAND FOYER

10:15 – 11:00 am

NAVY REQUIREMENTS PANEL

GRAND BALLROOM F - H

RADM Brian J. Brakke

Commander Navy Expeditionary Combat Command (NECC)
invited

CAPT John B. Moulton

Branch Head, Expeditionary Combat Branch (OPNAV N957)
invited

CAPT Daniel Malatesta

PMS 408 Program Manager, Expeditionary Missions (SEA 06 EXM)
invited

MAJ Aaron C. Foist

USAEODTECHDET Commander (MTAB Chair)
invited

11:00 – 11:45 am USAF REQUIREMENTS PANEL

GRAND BALLROOM F - H

COL Laurie Richter

Chief of Staff, 12TH Air Force (AFSOUTH)

Maj Nicolas Pulire

EOD Program Director, U.S. Air Force

11:45 pm CONFERENCE ADJOURNS

GRAND BALLROOM F - H

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.