

2019

GLOBAL EXPLOSIVE ORDNANCE DISPOSAL SYMPOSIUM & EXHIBITION

Innovation for the Future



MONDAY, AUGUST 5		
1:00 – 5:00 pm	REGISTRATION OPEN GRAND FOYER	
5:00 – 5:30 pm	BOARD OF DIRECTORS MEETING SENECA BOARD ROOM	
TUESDAY, A	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 Chair, EOD Committee, National Defense Industrial Association COL Leo Bradley, USA (Ret) Owner, L.E. Bradley Consulting, LLC Chair, EOD Symposium, National Defense Industrial Association	
8:15 – 9:00 am	KEYNOTE SPEAKER SALON F - H Michael Cardash Former Deputy Head, 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-Combined Joint Task Force, U.S. Army	
9:45 – 10:15 am	NETWORKING BREAK EXHIBIT HALL SILENT AUCTION BEGINS EXHIBIT HALL	



10:15 – 11:00 am	FEATURED ADDRESS: OPERATION MARKSBURG: ADDING A FIELD PERSPECTIVE TO THE PROSECUTION OF TERRORISM SALON F - H Damien Spleeters Deputy Director, Operations, Conflict Armament Research
10:15 – 11:30 am	MILITARY-TO-CIVILIAN TRANSITION WORKSHOP GREAT FALLS MG Randy Manner, USA (Ret) Executive Leadership Coach
11:00 – 11:30 am	 EOD WARRIOR FOUNDATION UPDATE SALON F - H Nicole Motsek Executive Director, Explosive Ordnance Disposal Warrior Foundation IGNITION GENERATOR FOR INSENSITIVE AND TAILORABLE EFFECTS, AS A WARHEAD INITIATOR (IGNITE) WHITEFLINT AMPHITHEATER Eric Enig President and CEO, Enig Associates, Inc.
11:30 am – 12:30 pm	NETWORKING LUNCH EXHIBIT HALL
12:30 – 1:00 pm	 ■ ACADEMIC SUPPORT OF HMA SALON F - H William Bagley Associate Research Engineer, The Johns Hopkins University Heather Holsinger Communication Manager, James Madison University Center for International Stabilization and Recovery ■ INNOVATIVE LONG-RANGE STANDOFF OPTICAL EXPLOSIVES & WMD DETECTION WHITEFLINT AMPHITHEATER Ed Dottery President, Alakai Defense Systems

1:00 - 1:30 pm

DTRA COUNTER-IMPROVISED THREAT TECHNOLOGIES (RD-TT) UPDATE

SALON F - H

Lisa Swan

Director, Counter-Improvised Threat Technologies (RD-TT), Defense Threat Reduction Agency (DTRA)

LONG WAVE IR (LWIR) POLARIZATION COMBINED WITH REFLECTIVE BAND CAMERA FOR ENHANCED DETECTION AND **IDENTIFICATION OF SURFACE HAZARDS IN CLUTTERED SCENES**

WHITEFLINT AMPHITHEATER

Collin Bright

Research Advisor, NVESD, U.S. Army Futures Command

BRAIN HEALTH WORKSHOP: MEDICAL PANEL

BROOKSIDE

Stephen Phillips

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

Dr. Joseph Long

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

Todd Massow

Director of Operations, Neuro-Tactical Research Team (NTRT), Uniformed Services University of the Health Sciences (USUHS)

Dr. John Meyers

Program Director, ANAM.

Office of the Surgeon General of the Army

1:30 - 2:00 pm

NETWORKING BREAK

EXHIBIT HALL

2:00 - 2:30 pm

DEPARTMENT OF HOMELAND SECURITY OFFICE FOR BOMBING PREVENTION UPDATE

SALON F - H

William Byrd

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

UNMANNED SYSTEM (UXS) IPT AND ENGINEERING PRECEPTS FOR SAFE AUTONOMY

WHITEFLINT AMPHITHEATER

Subject Matter Expert, VLS, UxS, DEW, and Ground Weapon Systems, Weapon System Explosives Safety Review Board (WSESRB)

BRAIN HEALTH WORKSHOP: MEDICAL PANEL

BROOKSIDE

Stephen Phillips

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

Dr. Joseph Long

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Dr. John Meyers

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

Todd Massow

Director of Operations, Neuro-Tactical Research Team (NTRT), Uniformed Services University of the Health Sciences (USUHS)



2:30 - 3:00 pm

NAVSCOLEOD UPDATE

SALON F - H

CAPT Dean Muriano, USN

Commanding Officer, Naval School Explosive Ordnance Disposal (NAVSCOLEOD)

X-RAY TOOLKIT UPDATE

WHITEFLINT AMPHITHEATER

Bryce Eldridge

Senior Member, Technical Staff, Sandia National Laboratories

BRAIN HEALTH WORKSHOP: POLICY PANEL

BROOKSIDE

COL Michael Evans, USA

Operations Coordinator, 734 Co-Project *Moderator*

CAPT Scott Cota, USN

Director, Branch Clinics, Medical Center Camp Lejeune, U.S. Navy

Medical Coordinator, 734 Co-Project

Kathy Lee, MS, CRNP, ANP-BC, CNRN

Special Assistant to Deputy Assistant Secretary of Defense, Health Readiness Policy and Oversight (HRP&O), Health Affairs, U.S. Department of Defense

Paul Scharre

Senior Fellow and Director, Technology and National Security Program, Center for New American Security

Dr. Terry Rauch

Acting Assistant Secretary of Defense, Health Readiness Policy and Oversight (HRP&O), Health Affairs, U.S. Department of Defense

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, USA

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

Operations Coordinator, 734 Co-Project *Moderator*

CAPT Scott Cota, USN

Director, Branch Clinics, Medical Center Camp Lejeune, U.S. Navv

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Special Assistant to Deputy Assistant Secretary of Defense, Health Readiness Policy and Oversight (HRP&O), Health Affairs, U.S. Department of Defense

Paul Scharre

Senior Fellow and Director, Technology and National Security Program, Center for New American Security

Dr. Terry Rauch

Acting Assistant Secretary of Defense, Health Readiness Policy and Oversight (HRP&O), Health Affairs, U.S. Department of Defense

4:00 – 4:30 pm	RAVEN'S 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	OSU: MSFS ARSON & EXPLOSIVES SALON F - H Tom Gersbeck			
	Graduate Faculty and Military Liaison, Arson-Explosives Investigation (AEI) Program, Oklahoma State University			
	 HOW THE NIJ BOMB SUIT STANDARD ADDRESSES BLAST EFFECTS & OPERATOR NEEDS 			
	WHITEFLINT AMPHITHEATER Dr. Jean-Philippe Dionne			
	Director, Research Engineering, Med-Eng			
5:00 – 6:00 pm	NETWORKING RECEPTION EXHIBIT HALL			
WEDNESDAY, AUGUST 7				
7:00 am – 5:00 pm	REGISTRATION GRAND FOYER			
7:00 – 8:00 am	NETWORKING BREAKFAST GRAND FOYER			

THANK YOU TO OUR SPONSORS









8:00 - 8:15 am

ADMINISTRATIVE REMARKS

SALON F - H

COL Leo Bradley, USA (Ret)

Owner, L.E. Bradley Consulting, LLC

Chair, EOD Symposium, National Defense Industrial Association

8:15 - 9:00 am

CONGRESSIONAL PERSPECTIVE PANEL

SALON F - H

Col Wes Hallman, USAF (Ret)

Senior Vice President, Strategy & Policy, National Defense Industrial Association *Moderator*

John Holcomb

Military Legislative Assistant, Office of Congressman Rick Crawford (AK-1)

Maj Daniel Long, USAF

Office of Congressional Liaison, U.S. Air Force

TECHNICAL SOLUTIONS FOR HMA CHALLENGES

BROOKSIDE

William Bagley

Associate Research Engineer, The Johns Hopkins University *Moderator*

Elise Becker

Vice President, Operations, Marshall Legacy Institute

Roland Evans

Advisor, Land Release,

Operational Efficiency and Training Development

LTC Alexander Riebl

Advisor, IED Threat Mitigation, United Nations Mine Action Service (UNMAS)

Allen Tan

Director of Applied Technology, Golden West Humanitarian Foundation

9:00 am - 3:30 pm

EXHIBIT HALL OPEN

SALON A – E

9:00 - 9:45 am

EOD WARRIOR FOUNDATION LECTURE: LONELINESS

SALON F - H

Dr. William Lopez, CPE

Lead Medical Director, Cigna Behavioral Health

HMA POLICY AND PROGRAMS: GROUNDWORK FOR THE FUTURE

BROOKSIDE

Suzanne Fiederlein

Associate Director, James Madison University Center for International Stabilization and Recovery Moderator

David Hewitson

Director, Fenix Insight, Ltd.

Rob Jenkins

Deputy Assistant Administrator, Bureau for Democracy, Conflict and Humanitarian Assistance,

U.S. Agency for International Development (USAID)

Vennie Pikoulas-Psaros

Resource Management Chief, Office of Weapons Removal and Abatement (PM/WRA), U. S. Department of State

Lewis Rasmussen

Director, Corporate Relations Proposals and Strategy, Tetra Tech

9:45 – 10:15 am	NETWORKING BREAK EXHIBIT HALL		
10:15 – 11:00 am	● IMPROVISED EXPLOSIVE DEVICES KEYNOTE SALON F - H Dr. Kirk Yeager Chief Scientist, Explosives, Federal Bureau of Investigation (FBI)		
11:00 – 11:30 am	ADDRESSING CWMD NEEDS THROUGH PUBLIC- PRIVATE PARTNERSHIPS/CONSORTIA 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 am – 12:30 pm	NETWORKING LUNCH EXHIBIT HALL SILENT AUCTION CLOSES EXHIBIT HALL		
12:30 – 1:30 pm	● EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP BROOKSIDE		
	Michael Cardash Former Deputy Head, Israeli National Police Bomb Squad	COL Terry Romine, USA Chaplain, Ordnance Corps, U.S. Army	
	LTG Reynold Hoover, USA (Ret) Former Deputy Commander, U.S. Northern Command (USNORTHCOM)	Matthew Reinhard, Psy.D. Director, War Related Illness and Injury Study Center, Veterans Affairs Medical Center	
	Dr. William Lopez, CPE Lead Medical Director, Cigna Behavioral Health Dr. Kelly Posner Founder and Director, Columbia Lighthouse Project, Columbia University Center (CUC)	Michael Roy, MD, MPH, FACP, COL USA (Ret) Director, Division of Military Internal Medicine, Uniformed Services University of the Health Services (USUHS)	
12:30 – 1:00 pm	● UNITED NATIONS MINE ACTION SERVICES (UNMAS) REQUIREMENTS SALON F - H LTC Alexander Riebl		
	Advisor, IED Threat Mitigation, United Nations Mine Action Service (UNMAS) COMBATING TERRORISM TECHNICAL SUPPORT OFFICE (CTTSO) BRIEF TO INDUSTRY WHITEFLINT AMPHITHEATER		
	Dr. Edwin Bundy Program Manager, Improvised Device Defeat/Explosives Countermeasures, Combating Terrorism Technical Support Office (CTTSO)		



1:00 – 1:30 pm	● 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)			
	THE HYBRID THERMAL LANCE – A SAFE AND INEXPENSIVE WAY TO DESTROY UXO WITHOUT CAUSING DETONATION WHITEFLINT AMPHITHEATER			
Dr. Don Pratt Professor, Engineering, Messiah College				
1:30 – 2:00 pm	NETWORKING BREAK EXHIBIT HALL			
2:00 – 4:00 pm	● EOD WARRIOR FOUNDATION SUICIDE PREVENTION WORKSHOP BROOKESIDE			
	Michael Cardash Former Deputy Head, Israeli National Police Bomb Squad	COL Terry Romine, USA Chaplain, Ordnance Corps, U.S. Army		
	LTG Reynold Hoover, USA (Ret) Former Deputy Commander, U.S. Northern Command (USNORTHCOM)	Matthew Reinhard, Psy.D. Director, War Related Illness and Injury Study Center, Veterans Affairs Medical Center		
	Dr. William Lopez, CPE Lead Medical Director, Cigna Behavioral Health Dr. Kelly Posner Founder and Director, Columbia Lighthouse Project, Columbia University Center (CUC)	Michael Roy, MD, MPH, FACP, COL USA (Ret) Director, Division of Military Internal Medicine, Uniformed Services University of the Health Services (USUHS)		
2:00 – 3:00 pm	COUNTERING WEAPONS OF MASS DESTRUCTION (CWMD) PANEL GREAT FALLS			
	Warren Baugh Director, Nuclear and DOE Programs, TetraTech Moderator			
	Jeff David Managing Director, DAGER Technologies	Thomas O'Brien Program Manager, Research and Development Directorate,		
	Dr. Patricia McDaniel Program Manager, CBRNE, Combating Terrorism Technical Support Office,	Combating Weapons of Mass Destruction Division, Defense Threat Reduction Agency		
	Technical Support Working Group	Michael Oldham CWMD Office, Department of Homeland Security		

2:00 – 2:30 pm	 ARMY EXPLOSIVES SAFETY UPDATE SALON F - H COL Michael Evans, USA Operations Coordinator, 734 Co-Project MARINE CORPS WARFIGHTING LAB UPDATE: AUTONOMOUS MINE & IED CLEARANCE WHITEFLINT AMPHITHEATER Robert Bamberger Principal Professional Staff, Intelligent Systems Group, The Johns Hopkins University Applied Physics Lab (JHU APL)
2:30 – 3:00 pm	● FEATURED ADDRESS: JOINT EOD UPDATE SALON F - H RDML Eric Ver Hage, USN Commander, NAVSEA Warfare Centers ● EXPLOSION CHAMBER FOR CONFINEMENT OF AMMUNITION DESTRUCTION: DESIGN RULES AND APPLICATIONS WHITEFLINT AMPHITHEATER Jerome Mespoulet Expert, Shock Physics, Thiot Ingenierie
3:00 – 3:30 pm	NETWORKING BREAK EXHIBIT HALL SILENT AUCTION PICKUP GRAND FOYER
3:30 pm	EXHIBIT HALL CLOSES SALON A - E
3:30 – 4:00 pm	 NATO EOD CENTER OF EXCELLENCE SALON F - H Lt Col Ryszard Waclawik, POL ARMY Department Head, Technology Development, NATO Explosive Ordnance Disposal Centre of Excellence (EOD COE) ADVANCES IN ORDNANCE DATA CLASSIFICATION, STORAGE AND TRANSMITTAL WHITEFLINT AMPHITHEATER Allen Tan Director, Applied Technology, Golden West Humanitarian Foundation



4:00 - 4:30 pm

INTERNATIONAL VIEWPOINT

SALON F - H

Colonel Gareth Bex, OBE

Senior Engineer, Explosives, UK Ministry of Defense

NSWC INDIAN HEAD EOD TECHNOLOGY DIVISION: EOD DEPARTMENT CURRENT PROJECTS

WHITEFLINT AMPHITHEATER

Amanda Vehslage

Department Head, Explosive Ordnance Disposal, Naval Surface Warfare Center Indian Head

4:30 - 5:00 pm

GENEVA INTERNATIONAL CENTRE FOR HUMANITARIAN DEMINING BRIEF

SALON F - H

Roland Evans

Advisor, Land Release, Operational Efficiency and Training Development

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

WHITEFLINT AMPHITHEATER

Stuart Booth

Lead Engineer, Cogility Software Corporation

SPONSOR DESCRIPTION



Sierra Nevada Corporation (SNC) is a trusted leader in solving the world's toughest challenges through advanced engineering technologies in Space Systems, Commercial Solutions, and Defense and National Security.

SNC delivers customer-focused technologies and best-of-breed systems integrations in the aerospace and defense sectors. With applications including navigation and guidance, communication and surveillance systems, electronic warfare, aircraft systems and telemedicine, SNC provides state-of-the art solutions to military and commercial customers around the world.

The drive to transform humanity through technology and imagination has fueled SNC's steady expansion from its headquarters in Nevada to 33 locations worldwide. SNC is a team of nearly 4,000 people—from scientists and cybersecurity experts to software engineers and former military leaders—united in support of customer needs.

SNC has been honored as a Tier One Superior Supplier for the U.S. Air Force, consistently ranks among America's fastest growing companies, and was selected to represent the commercial space industry before the newly formed National Space Council as one of the most innovative U.S. companies in space.

Founded in 1963 and headquartered in Sparks, Nevada, SNC operates under the leadership of owners, CEO Fatih Ozmen and President Eren Ozmen. For more than 50 years, customers have turned to SNC for its technical expertise and reputation for delivering results. SNC's impressive workforce surpasses the status quo by sourcing the best systems and talent, and reliably beating timelines and budgets.

Anchored by our heritage, we dream without limits and work to empower the next generation of engineers and innovators so we can all realize a better, safer world.

THURSDAY,	AUGUST 8	
7:00 am – 12:00 pm	REGISTRATION OPEN GRAND FOYER	
7:00 – 8:00 am	NETWORKING BREAKFAST GRAND FOYER	
8:00 am	ADMINISTRATIVE REMARKS SALON F - H COL Leo Bradley, USA (Ret) Owner, L.E. Bradley Consulting, LLC Chair, EOD Symposium, National Defense Industrial Association	
8:00 – 8:30 am	IMPLEMENTATION OF THE NATION'S C-IED STRATEGY SALON F - H David Kontny Chief of Staff, Joint Program Office for Countering IEDs	
8:30 – 9:15 am	ARMY REQUIREMENTS PANEL SALON F - H BG Heidi Hoyle, USA 41st Chief of Ordnance and Commandant, U.S. Army Ord Moderator MAJ James Alfaro, USA EOD Capability Development, Capability Development Integration Directorate (CDID), U.S. Army Louis Analure Product Manager, Unmanned Ground Vehicles, PM Force Protection	MAJ Austin Banford, USA Program Executive Officer, Soldier Protective Equipment, APM COL Jonathan Slater, USA Project Manager, Close Combat Systems, U.S. Army
9:15 – 10:00 am	USMC REQUIREMENTS PANEL SALON F - H Maj Jason Perry, USMC Section Head, EOD Advocacy (LPE-2) Moderator Richard Daley SYSCOM Maj Joe David, USMC Officer, EOD Capabilities Integration, CD&I/MCCDC	Maj Joe Hockett, USMC Officer in Charge, EOD Technology Division, MarDet, Naval Surface Warfare Center Indian Head
10:00 – 10:30 am	NETWORKING BREAK GRAND FOYER	



NAVY REQUIREMENTS PANEL 10:30 - 11:15 am

SALON F - H

RDML Brian Brakke, USN

Commander, Expeditionary Combat Command, U.S. Navy

CAPT Brad Andros, USN

Branch Head.

Expeditionary Combat Branch (OPNAV N957), U.S. Navy

LCDR Deward Cummings, USN

Officer in Charge,

EOD Fleet Liaison Unit (NAVEODFLTLAU), U.S. Navy

CAPT Scott Kraft, USN

Commanding Officer, EOD Technology Division, Naval Surface Warfare Center Indian Head

LCDR Jonathan Mocker, USN

PMS 408

USAF REQUIREMENTS PANEL 11:15 am - 12:00 pm

SALON F - H

Dr. Robert Diltz

Program Manager, RDT&S Program, Rapid Airfield Damage Recovery

Lt Col Miroslav Karamarinov, USAF

Chief, EOD Divison, Civil Engineer Center, U.S. Air Force

Maj Nicholas Pulire, USAF

Director, EOD Program, U.S. Air Force

Dr. John Olive

Deputy, EOD Division/SME, HQ AFCEC/CXD

SYMPOSIUM ADJOURNS 12:00 pm

SALON F - H

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