

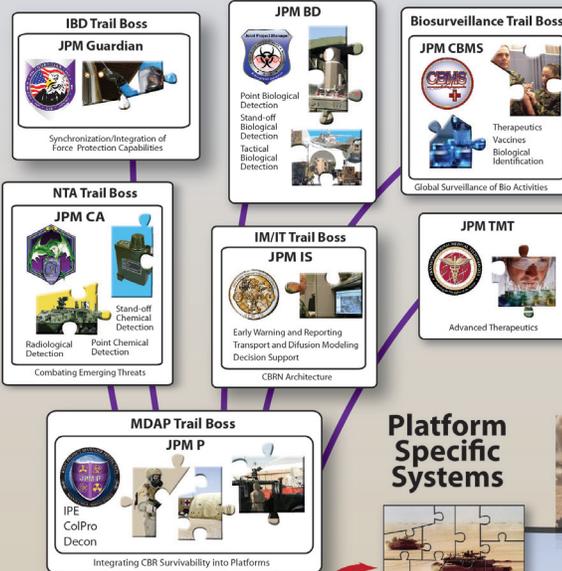
2011 CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR SURVIVABILITY CONFERENCE



“CBRN Survivability for Weapons Systems”

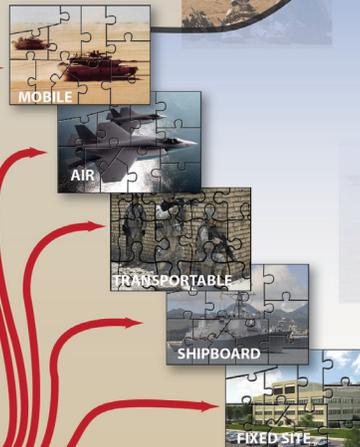
**Conference
Agenda
and
Speaker
Biographies**

Component Expertise



**MDAP
“Trail Boss”**

**Platform
Specific
Systems**



MAY 17-18, 2011

WWW.NDIA.ORG/MEETINGS/1350

HILTON BALTIMORE ~ BALTIMORE, MD

EVENT #1350

TUESDAY MAY 17, 2011

7:00 AM - 8:30 AM — REGISTRATION AND CONTINENTAL BREAKFAST
Holiday Ballroom Foyer

8:30 AM - 8:50 AM — WELCOME REMARKS
Holiday Ballroom 6

BG Dean Ertwine, USA (Ret.)

Chair, NDIA Chem Bio Defense Division

Vice President, Army Sector

Battelle Eastern Science and Technology Center

Mr. Rich Newton

Protection Integrated Process Assistance Team (IPAT) Lead

8:50 AM - 9:30 AM — KEYNOTE SPEAKER
Holiday Ballroom 6

BG Jess Scarbrough

JPEO-CBD

9:30 AM - 10:00 AM — CBRN SURVIVABILITY OVERVIEW
Holiday Ballroom 6

Ms. Helen Mearns

Joint CBRN Defense Program Analysis and
Integration Office (PAIO)

10:00 AM - 10:30 AM — MORNING BREAK
Holiday Ballroom Foyer

**10:30 AM - 11:15 AM — LABORATORY INFRASTRUCTURE SUPPORT TO CBRN
SURVIVABILITY**
Holiday Ballroom 6

Mr. Joseph Wienand (SES)

Edgewood Chemical Biological Center Technical Director

**11:15 AM - 11:35 AM — MAXIMIZING THE DOD'S RETURN ON INVESTMENT FOR CBRN
SURVIVABILITY**
Holiday Ballroom 6

Mr. Will Hartzell

JPM-P and MDAP Trail Boss

- How the weapon system programs can leverage the expertise and product portfolio within the JPEO-CBD
- Typical CBRN survivability requirements for weapon system platforms
- Importance of considering CBRN survivability requirements early in the acquisition lifecycle
- MDAP Trail Boss effort background
- Overview of the JPM-P organization, including the Individual Protection, Collective Protection, and Decontamination product areas

CONTINUED

- 11:35 AM - 12:20 PM — MDAP CBR SURVIVABILITY TRAIL BOSS OVERVIEWS**
Holiday Ballroom 6
Mr. Jorge Hernandez
JPM-P MDAP Support Director
- CBRN defense support provided to weapon system platforms/facilities
- 12:20 PM - 12:50 PM — CHAIRMAN OF THE JOINT CHIEFS OF STAFF INSTRUCTION (CJCSI) 3175.01 OVERVIEW**
Holiday Ballroom 6
Mr. Mark Edwards
JRO-CBRND
- 12:50 PM - 2:00 PM — LUNCH**
Holiday Ballroom 4&5
- 2:00 PM - 2:45 PM — JOINT STRIKE FIGHTER (JSF) CBR SURVIVABILITY**
Holiday Ballroom 6
Mr. William Dooley
JSF Mission Effectiveness IPT Lead
- 2:45 PM - 3:15 PM — SHIPBOARD CBRN SURVIVABILITY**
Holiday Ballroom 6
Mr. Brian Liska
MDAP Trail Boss Platform Manager for Shipboard CBRN Survivability
- 3:15 PM - 3:45 PM — AFTERNOON BREAK**
Holiday Ballroom Foyer
- 3:45 PM - 4:15 PM — INTEGRATING CBRN PROTECTION INTO COMBAT DUTY UNIFORMS**
Holiday Ballroom 6
Mr. Darren Wheeler
Senior CBRN Analyst for JPM-P Future Acquisition Team
- 4:15 PM - 4:45 PM — FUTURE CB ENSEMBLE / GROUND SOLDIER SYSTEM TECHNOLOGY (FCBE-GSS) DEMONSTRATION PROGRAM**
Holiday Ballroom 6
Ms. Andra Kirsteins
FCBE-GSS Demonstration Technology Manager

CONTINUED

- 4:45 PM - 5:15 PM — CHEMICAL AND BIOLOGICAL MATERIAL EFFECTS (CBME) DATABASE**
Holiday Ballroom 6
- Mr. Chris Hill**
U.S. Army Research Laboratory Survivability/Lethality Analysis Directorate (ARL/SLAD)
- Online tool that contains comprehensive information on the effects of CB agents, simulants, and decontaminants on materials used in defense systems
- 5:15 PM — CLOSING REMARKS**
Holiday Ballroom 6
- Ms. Helen Mearns**
Joint CBRN Defense Program Analysis and Integration Office (PAIO)
- 5:15 PM - 6:30 PM — NETWORKING RECEPTION**
Holiday Ballroom 4&5

WEDNESDAY MAY 18, 2011

- 7:00 AM - 8:00 AM — REGISTRATION AND CONTINENTAL BREAKFAST**
Holiday Ballroom Foyer
- 8:00 AM - 8:15 AM — OPENING REMARKS**
Holiday Ballroom 6
- Mr. Rich Newton**
Protection Integrated Process Assistance Team (IPAT) Lead
- 8:15 AM - 8:45 AM — KEYNOTE SPEAKER**
Holiday Ballroom 6
- Dr. John Kuspa**
Office of the Deputy to the Assistant Secretary of Defense for Nuclear Matters (DATSD/NM)
- Nuclear Survivability
 - DoD Policy
- 8:45 AM - 9:30 AM — NUCLEAR SURVIVABILITY**
Holiday Ballroom 6
- Mr. John Franco**
DTRA
- 9:30 AM - 9:45 AM — MORNING BREAK**
Holiday Ballroom Foyer

CONTINUED

**9:45 AM - 10:30 AM — CBRN TEST INFRASTRUCTURE – TEST RESEARCH
MANAGEMENT CENTER**
Holiday Ballroom 6

Dr. Suzanne Strohl

Deputy Director, Strategic Planning, Office of the
Secretary of Defense, Test Resource Management Center

- Nuclear Weapons Effects Test Capabilities
- Myth Busting

10:30 AM - 11:45 AM — OVERVIEW OF JPEO-CBD JOINT PROGRAM MANAGERS (JPMS)
Holiday Ballroom 6

- Representatives from JPM-P, JPM-CA, JPM-BD, JPM-IS,
JPM-CBMS, JPM-G, JPM-RN
- Expertise and product portfolio within each JPM

11:45 AM - 12:45 PM — LUNCH
Holiday Ballroom 4&5

12:45 PM - 1:15 PM — CBRN SURVIVABILITY INFORMATION AND ANALYSIS
Holiday Ballroom 6

Mr. Jerry Glasow

Chief, Information and Analysis Division, within the
Chemical and Biological Directorate of the Joint Science
and Technology Office for CB Defense

- Enabling program managers with appropriate
information and analysis products, data, methods, and
tools will allow them to consider CBRN survivability
within the greater DoD context

**1:15 PM -1:45 PM — CURRENT EFFORTS TO IMPROVE CHEMICAL CHALLENGE
ESTIMATES**
Holiday Ballroom 6

Dr. Jeffrey H. Grotte

Deputy Division Director of the Strategy, Forces, and
Resources Division at the Institute for Defense Analyses

1:45 PM - 2:00 PM — CBRN MODELING AND SIMULATION (M&S) EFFORTS
Holiday Ballroom 6

Ms. Kate Segovia

JPEO-CBD M&S IPT Lead

2:00 PM - 2:15 PM — BREAKOUT SESSION GUIDANCE
Holiday Ballroom 6

Ms. Helen Mearns

Joint CBRN Defense Program Analysis and
Integration Office (PAIO)

CONTINUED

2:15 PM - 2:30 PM — AFTERNOON BREAK
Holiday Ballroom Foyer

2:30 PM - 3:30 PM — BREAKOUT SESSIONS
Holiday Ballroom 1,2,4,5,6

**CBRN Survivability Oversight Group (CSOG) Action Officers
from the Army, Navy, Air Force, and Marine Corps**

- Discuss Service-specific plans, processes, and policies regarding CBRN survivability, from capabilities document generation through development and testing

Service Specific Requirements and Policies

Air Force - Holiday Ballroom 2

Army - Holiday Ballroom 5

Marine Corps- Holiday Ballroom 1

Navy - Holiday Ballroom 4

3:30 PM - 4:30 PM — POST BREAKOUT WRAP UP
Holiday Ballroom 6

CSOG Action Officers

4:30 PM — CLOSING REMARKS
Holiday Ballroom

Mr. Rich Newton

Protection Integrated Process Assistance Team (IPAT) Lead

CONFERENCE ADJOURNS

SPEAKER BIOGRAPHIES



BG Jess Scarbrough

Brigadier General Scarbrough is the new Joint Program Executive Officer for Chemical and Biological Defense. His responsibilities include the research, development and acquisition of all chemical and biological defense equipment and medical countermeasures for the United States Armed Services.

He was commissioned a Second Lieutenant in Air Defense Artillery (AD) after graduating from the University of Arizona with a Bachelor of Arts Degree in Political Science. Upon graduation, he was assigned to the United States Army – Europe (USAREUR) and Seventh Army as a Unit Commander responsible for Nuclear Surety on a NATO Nike Hercules AD Missile Site.

In 1985, BG Scarbrough was reassigned to III Corps and Fort Hood, Texas where he served in multiple operational assignments as a Battalion S4 and Battery Commander in a Division AD Chaparral/Vulcan Battalion. In 1988, he was reassigned to the 31st Air Defense Artillery Brigade, III Corps and served as the Chief of the Air Defense Element.

In 1989 BG Scarbrough entered into his functional area; research, development and acquisition and has served in numerous acquisition management and staff positions to include; Project Manager for the Army's Tactical Exploitation of National Capabilities Program and Director, Army Space Program Office; Program Executive Office (PEO) for Intelligence, Electronic Warfare and Sensors (IEW&S); and Product Manager for the Army's Information Warfare Program, PM Signals Warfare, PEO IEW&S.

BG Scarbrough's other assignments include Program Director, Special Operations and Conventional Special Programs, Office of the Under Secretary of Defense for Acquisition and Technology; Director, International Cooperative Programs Activity, United States Army Research, Development and Engineering Command; Chief of Staff to the Army Acquisition Executive, and Assistant Deputy, Acquisition and Systems Management, Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology.

BG Scarbrough has earned two Masters Degrees in Business Administration from the University of Oklahoma and in Strategic Studies from the United States Army War College. Other professional schooling includes the AD Officer Basic and Advanced Courses, the Army's Command and General Staff College, the Air Force Air Command and Staff College, the Department of Defense Systems Management College, and the National Defense University's CAPSTONE General and Flag Officer Course.

His decorations and awards include the Legion of Merit with one oak leaf cluster, the Defense Meritorious Service Medal, the Army Meritorious Service Medal with six oak leaf clusters, the Army Commendation Medal with one oak leaf cluster and the Army's Achievement Medal with one oak leaf cluster. He is also authorized to wear the Office of the Secretary of Defense Identification Badge, the Army Staff Identification Badge, the Army Air Assault Badge, and the German Air Force Air Defense Badge in Bronze.



Dr. John Kuspa

Physical Scientist (2006-Present) Office of the Deputy Assistant Secretary of Defense (DASD) for Nuclear Matters; supporting the Assistant Secretary of Defense (ASD) (Nuclear, Chemical & Biological Defense Programs); in the Office of the Undersecretary of Defense (USD/ATL); in Arlington, Virginia (Pentagon). Provides professional and technical analysis and policy development, implementation, and oversight support for the survivability of DoD systems to nuclear weapons effects, including High-Altitude Electromagnetic Pulse (HEMP).

Senior National Security Analyst, Science Applications International Corporation, Inc. (SAIC), McLean, Virginia Supported in the Pentagon (2004-2006) the Office of the DASD(NM), providing Staff and technical support for the interagency Committee of Principals (CoP) chartered by Presidential Directive (NSPD-28) to oversee Nuclear Command and Control (NC2).

Other experience at SAIC Project leader (2002-2004) for the nuclear weapon outreach training program for the Defense Threat Reduction Agency (DTRA). Responsible for developing courses, conducting training, and providing Subject Matter Experts (SMEs) on nuclear weapons (their design, effects, and materials production), radiological dispersion devices (RDDs) (their availability, delivery, and effects), proliferation and counter-proliferation challenges, and Homeland Security challenges, such as detecting and intercepting nuclear weapons (and Improvised nuclear devices) and RDDs, within DoD and among several federal and local government agencies.

Senior Project Manager and Engineer, K&M Engineering and Consulting Corporation, Washington, D.C. Lead team of independent consultants conducting two Congressionally-mandated external reviews of programs related to the DOE nuclear weapons complex: the Accelerator Production of Tritium (APT) Program (1998), and the Plutonium Stabilization and Handling System Project at Hanford, Washington.

Project manager for consulting services to the Government of Jordan (Ministry of Energy & Mineral Resources) for the Samra Power Station, the first privately owned electric power generation station in Jordan.

Commissioned Officer in the US Army Corps of Engineers Executive Assistant in the Pentagon to the Deputy Assistant Secretary of the Army for Environment, Safety, and Health, dealing with military installation infrastructure and environmental issues at Army bases.

Chief, Nuclear Division, at the On-Site Inspection Agency (OSIA), responsible for implementation of the inspection provisions of the Threshold Test Ban Treaty (TTBT), including hosting Soviet/Russian experts at DOE's Nevada Test Site and training US teams for deployment to USSR/Russia. Led DOD-DOE negotiation team with Russians for U.S. nuclear test Greenwater.

Chief, Nuclear Stockpile Branch and then the NATO Nuclear Branch, J-5, Joint Staff, supported the Nuclear Weapons Council (NWC) and its Standing and Safety Committee (NWCSSC), developed and coordinated the Nuclear Weapons Deployment Plan with the Combatant Commands and OSD, provided Joint Staff support to OASD (Policy) on NATO nuclear policy matters (NPG & HLG) and NATO exercises, and led internal JCS study of U.S. Army nuclear weapons requirements.

US Army War College Fellow to Department of Energy, supporting the Office of Space and Defense Nuclear Power Systems (NE-50), working on national programs to develop space power reactors and radioisotope thermoelectric generators.

Assistant Professor of Mechanics, US Military Academy, West Point, NY, teaching Thermodynamics and responsible for developing and teaching a new Advanced Thermodynamics Course for Cadets in Math, Science, or Engineering major programs.



Mr. William Hartzell

Mr. William Hartzell was born February 24, 1955 in Demopolis, Alabama and enlisted in the Marine Corps in February of 1973. He spent 21 years in the Marine Corps with assignments in the Carolinas, Oklahoma, California, Hawaii, Georgia and Okinawa. During this time, he participated in numerous training and operational deployments worldwide including expeditionary service in Somalia and the Arabian Gulf with the 24th Marine Expeditionary Unit (Special Operations Capable). Mr. Hartzell retired from the Marine Corps in February of 1994 as a Chief Warrant Officer (W-4), Nuclear, Biological and Chemical Officer.

After retirement, Mr. Hartzell attended North Carolina State University earning a Master of Science degree and an advanced graduate teaching certificate (6th year certificate). He joined Marine Corps Systems Command in 1996 and managed the individual protection programs, the biological detection programs and portions of the individual combat clothing and equipment programs until January of 2000. During this assignment, he was accepted into the Department of the Navy's Acquisition Professional Community, completed the Program Management Course at the Defense Acquisition University and attained his Level III Certification in Program Management.

From January of 2000 until September of 2003, Mr. Hartzell was a program manager for Battelle Memorial Institute where he supported the Marine Corps' Chemical Biological Incident Response Force, the Marine Corps' Warfighting Laboratory, Naval Air Systems Command and Marine Corps Systems Command.

In September of 2003, Mr. Hartzell returned to government service initially as the Operations Officer and Acquisition Support Coordinator for the Joint Project Manager, Individual Protection, JPEO-CBD. He was subsequently assigned as the Deputy Project Manager for Individual Protection and served in that capacity until his selection as the Joint Project Manager for Decontamination in July of 2006. On April 13, 2007, Mr. Hartzell was chartered as the Joint Project Manager for Individual Protection. On January 3, 2011, Mr. Hartzell became the Joint Project Manager for Protection, consolidating the Joint Project Management offices for Individual Protection, Decontamination and Collective Protection into a single organization.

Mr. Hartzell resides in Stafford, Virginia with his wife Jeanne and two sons, Steven and Kyle.



Mr. Jorge Hernandez

Mr. Jorge Hernandez is the Director for the Major Defense Acquisition Program (MDAP) CBRN Survivability Support and Integration Directorate, within the JPEO-CBD's Joint Program Manager for Protection (JPM-P) Office. The Directorate assists DoD acquisition programs, designated as CBRN mission-critical, by providing affordable solutions that meet their CBRN survivability and force protection requirements. Mr. Hernandez is an employee of the Naval Surface Warfare Center Dahlgren Division (NSWCDD) in Dahlgren, VA.

Prior to supporting the JPEO-CBD, Mr. Hernandez was the Program Manager for the OSD-sponsored Hydra Hunter Program which developed and deployed several critical systems that enable US Forces to deny and degrade the warfighting capabilities of terrorists and insurgents in Iraq and Afghanistan. During his nine years of federal service, he has also been the Lead Systems Engineer and the Warhead Project Lead for the Affordable Weapon System (AWS) Program and has been the Lead Warhead Engineer for various weapon system efforts.

Mr. Hernandez is a 2000 graduate of Northwestern University where he earned a BS in

Mechanical Engineering and is a 2002 graduate of the Georgia Institute of Technology where he earned an MS in Mechanical Engineering. He is a member of the DoD Acquisition Corps certified at Level 3 and Level 2 in the SPRDE and PM career fields, respectively.

Mr. Hernandez is a member of the Navy's Advisory Council to Hispanic Employment (ACHE), which is chaired by the DASN (Civilian Human Resources). The Council is responsible for helping the Navy address Hispanic employee recruitment and retention issues and for providing the Naval leadership with effective solutions and guidance.

Mr. Hernandez resides in Fredericksburg, VA with his wife Leyla and son Aiden.



Mr. William Dooley

Mr. William Dooley is a member of the Naval Air Systems Command (NAVAIR) 4.1.8 Survivability and Threat Lethality Division and is currently serving as the Mission Effectiveness IPT Lead for the JSF Program.

Mr. Dooley is a 1978 graduate of the US Naval Academy where he received a BS in Mathematics and is a 1994 graduate of the Naval Postgraduate School where he received a MS in Aeronautical Engineering. He has served as the NAVAIR 4.1.8 Susceptibility Branch Officer and as the Chief Engineer of an Advanced Development Program Office developing Low Observable technologies for integration into Fleet platforms. He received the Exceptional Civilian Service Medal as the JSF Signature IPT Lead from 2004 -2006. Mr. Dooley currently serves as the Navy Executive Committee representative for the National RCS Measurement Facilities Certification Program. Mr. Dooley accumulated over 2000 hours in the A-6E Intruder as a Naval Flight Officer. His operational tours included deployments aboard the USS Coral Sea where he flew armed sorties in the Gulf of Sidra in 1986 and aboard the USS Dwight D. Eisenhower for two deployments supporting Operation Desert Shield. Mr. Dooley may be contacted at william.dooley@navy.mil.



Mr. Jerry Glasow

Mr. Jerry Glasow is currently the Chief of the Information and Analysis Division of the CB Technologies Directorate at the Defense Threat Reduction Agency.

Mr. Glasow has over 28 years of expertise spanning and combining chemical, biological, radiological, and nuclear (CBRN) operations, operations research (OR), test and evaluation, and modeling and simulation. Before retiring from military service, Mr. Glasow served as the Director of the Defense Modeling and Simulation Office (renamed the Modeling and Simulation Coordination Office) and Military Assistant to the Deputy Under-Secretary of the Army for OR. His goal with the Defense Threat Reduction Agency is to improve research and development to provide CBRN information and analysis capabilities by combining it with CBRN operations research to support requirement and programmatic decision-making.

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**THANK YOU FOR ATTENDING
THE 2011 CBRN SURVIVABILITY CONFERENCE
“CBRN Survivability for Weapons Systems”**

SAVE THE DATE!

**2012 JOINT CBRN CONFERENCE & EXHIBITION
MARCH 12-14, 2012
HILTON BALTIMORE • BALTIMORE, MD
MORE INFORMATION COMING SOON!**