ARMAMENT AND MUNITIONS FORUM

“BALANCING ARMAMENT INNOVATION AND READINESS IMPROVEMENTS WITHIN BUDGET CONSTRAINTS”
Forum Objective
The purpose of the 2013 Armament and Munitions Forum is to emphasize the importance of a government/industry partnership focused on maintaining readiness and technology/system innovation during times of budget constraints and uncertainty. The forum will address key system and technology segments and provide an opportunity to share and discuss challenges and opportunities during this period. Topics focused on the evolution of the industrial base will also be addressed.

Small Arms Systems
Facing terrorist forces from military operations on open terrain to the open battlefield, American forces—both military and law enforcement—require state of the art and the best equipment. In a time of program uncertainty and budget constraints the ability to realize technology and system innovation while also maintaining readiness requires that the government/industry partnership works together to maintain capability. The focus must remain on enhancements to legacy small arms systems, and innovation in new capabilities including weapons, ammunition, fire control, and other supporting resources. Special attention to unmanned platforms and digitization of the battlefield will address a vision to the future.
2:50pm - 3:05pm  NETWORKING BREAK

3:05pm - 3:40pm  PM SOLDIER WEAPONS
▶ COL Scott Armstrong, USA, Project Manager, Soldier Weapons
▶ LTČ Paul Alessio, USA, Product Manager, Crew-Served Weapons
▶ LTČ Shawn Lucas, USA, Product Manager, Individual Weapons

3:40pm - 4:15pm  PM MAS SMALL CALIBER AMMO
▶ COL Paul Hill, USA, Project Manager, Maneuver Ammunition Systems
▶ LTČ Phil Clark, USA, Deputy Project Manager, Maneuver Ammunition Systems Small Caliber Ammunition

4:15pm - 5:00pm  ENSURING READINESS: INDUSTRIAL BASE TRAINING, LOGISTICS, MAINTENANCE, INDUSTRIAL RESOURCE, CHALLENGES AND OPPORTUNITIES
▶ Mr. Kent Holiday, Vice President and General Manager, ATK
▶ Mr. Jean Louis Vanderstraeten, President and CEO, FN Manufacturing, LLC
▶ Mr. C. Reed Knight, President, Knight’s Armament Company

5:00pm - 5:45pm  AWARDS PRESENTATION
▶ The Hathcock Award Presented to MSG Jim Smith, USA (Ret)
▶ The Chinn Award Presented to Mr. Rudy Nedelka
▶ The Ambrose Industry Award Presented to SureFire, LLC.

5:45pm - 5:55pm  WRAP UP
▶ Mr. Brian Berger, Vice President, General Manager, General Dynamics-OTS Canada, Inc.; Chair, NDIA Small Arms Committee

6:15pm - 7:30pm  RECEPTION AT OFFICERS CLUBHOUSE

WEDNESDAY, NOVEMBER 13, 2013

7:00am  REGISTRATION OPEN

7:00am - 8:00am  CONTINENTAL BREAKFAST

8:00am - 8:10am  GUNS, AMMUNITION, ROCKETS, AND MISSILES OVERVIEW
▶ Mr. Dave Broden, President, Broden Resource Solutions, LLC; Acting Chair, NDIA Guns, Ammunition, Rockets, and Missiles Committee

“EXPANDING THE WARFIGHTER’S CAPABILITY THROUGH TECHNOLOGY INVESTMENT”

8:10am - 8:40am  PM MAS OVERVIEW
▶ COL Paul Hill, USA, Project Manager, Maneuver Ammunition Systems

8:40am - 9:20am  PM CAS OVERVIEW
▶ COL Willie Coleman, USA, Project Manager, Combat Ammunition Systems
▶ Mr. Rene Kiebler, Deputy Project Manager, Combat Ammunition Systems, U.S. Army

9:20am - 10:00am  PM CCS PROGRAM AND TECHNOLOGY OVERVIEW
▶ COL Richard J. Hornstein, USA, Project Manager, Close Combat Systems
▶ Mr. Matt Butler, Deputy Project Manager, Close Combat Systems, U.S. Army

Guns, Ammunition, Rockets, and Missiles
The Guns, Ammunition, Rockets, and Missiles community focus areas include medium and large caliber direct and indirect fire technologies, armament systems for land, sea, and air applications, energetics, precision munitions, and systems integration onto current and emerging platforms. Attention to modeling and simulation is key to the innovation objectives of the segment. Technology and manufacturing changes and new approaches to ensure affordability will also be addressed.
Unconventional and Emerging Armament Systems (UEAS)
The Unconventional and Emerging Armament Systems focus areas include (but are not limited to) electromagnetics, lasers, high power microwave, non-lethal counter personnel and material, hypersonic, sensor defeat (spectrum denial), and other emerging armament technologies. Topics addressed include opportunities for UEA technologies and systems and status of technologies enabling new armament capabilities. Progress in several key areas will be highlighted.

10:00am - 10:15am  NETWORKING BREAK
10:15am - 10:45am  ARMAMENTS AND MUNITIONS FOR UNMANNED PLATFORM INDUSTRY VIEW
  ▶ Mr. Charles Dean, Director of Business Development, Technology Solutions, Unmanned Systems, QinetiQ
10:45am - 11:15am  TRENDS IN UAS WEAPONIZATION AND TARGETING
  ▶ Mr. David Hendrickson, Director of Business Development, AV, Inc.
11:15am - 11:45am  ADDITIVE MANUFACTURING (3-D) INNOVATION ENABLING NEW TECHNOLOGIES AND MANUFACTURING CAPABILITIES
  ▶ Mr. John Dobstetter, Business Development Manager, Stratasys
11:45am - 12:15pm  APPLICATIONS OF UNIQUE MODELING SIMULATION FOR ARMAMENT SYSTEM IMPROVEMENT INDUSTRY
  ▶ Mr. William McGinn, Senior Application Engineer, Ansys, Inc.
12:15pm - 1:45pm  NETWORKING LUNCH
1:45pm - 3:10pm  NETWORKING BREAK
3:10pm - 3:40pm  AN INTEGRATED NANOTECHNOLOGY CAPABILITY FOR MUNITIONS APPLICATION
  ▶ Mr. Kendall Mills, Nanomaterials Laboratory, ARDEC
3:40pm - 4:10pm  RECENT DEVELOPMENTS IN MANUFACTURING OF PRIMERS BASED ON NANOENERGETIC COMPOSITES
  ▶ Dr. Zac Doorenbos, Principal R&D Engineer, Innovative Materials and Processes, LLC
4:10pm - 4:20pm  UEA VISION FORWARD
  ▶ Mr. Dan Hartman, Business Development, Spectra Technologies, LLC; NDIA Unconventional and Emerging Technology Armaments Systems Committee
4:20pm  ADJOURN

“A 360-DEGREE VIEW OF UNCONVENTIONAL AND EMERGING ARMAMENTS: NEW CAPABILITY FOR AFFORDABLE RESPONSE”

1:55pm - 2:25pm  NATO NON-LETHAL CAPABILITIES UPDATE
  ▶ Mr. John Edwards, Program Management Official, JSAAP, U.S. Army ARDEC; Chairman, NATO Sub Group on Non-Lethal Capabilities
2:25pm - 2:55pm  MISSION PAYLOAD MODULE NON-LETHAL WEAPON SYSTEM SCALABLE NON-LETHAL EFFECTS WEAPON
  ▶ Mr. Kris Hildebrandt, Executive Director, General Dynamics-OTS
2:55pm - 3:10pm  NETWORKING BREAK
3:10pm - 3:40pm  RECENT DEVELOPMENTS IN MANUFACTURING OF PRIMERS BASED ON NANOENERGETIC COMPOSITES
  ▶ Dr. Zac Doorenbos, Principal R&D Engineer, Innovative Materials and Processes, LLC
3:40pm - 4:10pm  UEA VISION FORWARD
  ▶ Mr. Dan Hartman, Business Development, Spectra Technologies, LLC; NDIA Unconventional and Emerging Technology Armaments Systems Committee
4:20pm  ADJOURN
SMALL ARMS COMMITTEE AWARDS

Hathcock Award

The Hathcock Award is named in honor of Gunnery Sergeant Carlos N. Hathcock, II, USMC, a career marine who dedicated his life to the service of this country in both the military and law enforcement communities. He was honest, tactful, considerate, courageous, quietly proud, and determined in all things and all places from the range to the battlefield. “The Gunny” not only distinguished himself in combat as a scout-sniper, but also as a competitive marksman and trainer. In his capacity as a trainer, he not only significantly impacted the current United States Marine Corps Scout-Sniper Program, but also influenced the sniper programs of the other military services and similar law enforcement programs nationwide.

The Hathcock Award is presented to recognize an individual who, in the opinion of the Small Arms Committee Executive Board, has made significant contributions in operational employment and tactics of small arms weapons systems which have impacted the readiness and capabilities of the U.S. military or law enforcement. A significant contribution is considered to be a superior performance of duties in an operational environment or the development of tactics or training.

Such contributions would be easily recognized as “excellence” in industry leadership and responsiveness in cases where National security priorities require attention to meet urgent needs in either peace or war time.

Chinn Award

The Chinn Award is named in honor of LtCol George M. Chinn, USMC, a career Marine who dedicated his life to the study, development and refinement of machine gun mechanisms. LtCol Chinn is remembered for his work as a gun designer and for having compiled a five volume reference work entitled, “The Machine Gun.”

The Chinn Award is presented annually to honor a government or industry individual who, in the opinion of the Small Arms Committee Executive Board, has made significant contributions to the field of small arms and/or infantry weapons systems. A significant contribution is considered to be a creative invention, new design or innovative concept in small arms weapons, ammunition or ancillary equipment that provides an advancement in the state-of-the art or capability enhancement that clearly benefits the warfighting or general military capability of the U.S. The Chinn Award may also be conferred as recognition to an individual who has performed sustained superior service in a career field of science, engineering, test and evaluation, manufacturing program management, academic study and research, publishing or maintenance relating to military small arms or infantry weapons.

Ambrose Industry Award

The Ambrose Industry Award is named in honor of former Under Secretary of the Army, Mr. James R. Ambrose for his recognition of the value and contribution of industry in meeting the needs of our National Defense. This was made unmistakably clear during his tenure from 1981-1988 as Under Secretary of the Army during the Presidency of Ronald Reagan. He was a major force in the post Vietnam modernization of all small arms weaponry where new and improved versions of the M16, M249, and M9 were purchased in large quantities as a result of industry competitions.

The Ambrose Award is established and presented periodically to recognize a Defense Industry which, in the opinion of the Small Arms Committee Executive Board, has made outstanding contributions to the field of small arms systems. An outstanding contribution is characterized by exemplary commitment and contribution to the Armed Forces by delivering superior materiel that meets required operational capabilities and supports a high level of force readiness in the conduct of warfighting activities or homeland defense. Such contributions may be shown through a record of continual demonstration of emerging technologies, development of products and systems, establishment of enhanced production capabilities and integration of innovative weapons systems and supporting products and services required by the DoD and Allied countries.
Save the Date

JOINT ARMAMENTS CONFERENCE, EXHIBITION & FIRING DEMONSTRATION
Phoenix Convention Center, May 12-15, 2014
Phoenix, Arizona
www.ndia.org/meetings/4610

Abstracts will be accepted at the following link:
http://application.ndia.org/abstracts/4610
All submissions are due by:
February 15, 2014

MUNITIONS EXECUTIVE SUMMITT
Morristown Hyatt, February 25-27, 2014
Morristown, NJ
“Maintaining a Responsive Munitions Enterprise
…. Preserving in an Uncertain Landscape”