

2019 Armament Systems Forum and Exhibition

CALL FOR ABSTRACTS

The 2019 Forum will be held June 3 – 6, 2019 at the Fredericksburg Expo & Conference Center in Fredericksburg, VA.

Theme

The theme of the 2019 Armaments Systems Forum is *Leveraging Armament Technology Integration to Achieve Modernization, Overmatch, and Operational Readiness*.

Submission Deadline

Your abstract must be submitted no later than 8 February 2019. Questions may be addressed to Dave Broden, Armament Division Chair (dbroden@brsbis.com), or Dave Chesebrough, NDIA (dchesebrough@ndia.org).

Armament Systems Forum Overview

The forum includes tutorials, keynote speakers, panels, technical papers, exhibits and a firing demonstration. These program elements address the challenges, trends and opportunities across the full spectrum of Armament Systems for land, sea, and air capability. The annual Armaments Division forum is organized by its committees into the following tracks:

- Small Arms
- Guns, Ammunition, Rockets, and Missiles
- Unconventional and Emerging Armament Systems

Each of the tracks are concurrent parallel sessions that provide synergism, communication, and networking opportunities across the armament community, ensuring great value and benefits for attendees and exhibitors. The concurrent track sessions will also allow for an expanded number of technical/oral presentations and poster presentations addressing subjects relevant to evolving integrated armament systems for individual and platform application.

In addition, to ensure the agenda includes topics of interest to attendees, we welcome suggestions for program content. Please submit any potential event topics to the following Armament Division Committee chairs:

- Small Arms - Brian Berger (brian.berger@gtds-america.com)
- Guns, Ammunition, Rockets, and Missiles - Matt Phillips (Matthew.Phillips@gd-ots.com)
- Unconventional and Emerging Armament Systems - Dan Hartman (DHartman@spectra-tech.net)

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2019 Armament Systems Forum and Exhibition – June, Fredericksburg, VA

2019 Armament Systems Forum Focus

The dynamic changes in international geopolitical, military, and economic landscape, together with ready availability of technologies to adversaries, requires that the US and Allies develop armament systems and technology to defeat of the evolving threat spectrum. The Forum objectives include providing presentations on:

- technologies for modernization
- integrated armament systems that improve lethality
- improvements to legacy systems that increase availability and effectiveness
- sustainability and readiness factors such as logistics, maintenance, and training
- manufacturing technologies and impacts on system capabilities

Tutorials

Tutorial sessions provide the Forum attendees the opportunity for updates regarding DoD policy, DOD and individual service initiatives, acquisition process, ITAR, industrial base issues, budget considerations, in-depth discussion of selected technologies, subsystems or systems and other topics chosen to address the subjects benefiting the armaments community. These sessions are structured to permit and encourage interactive dialogue and discussion of those attending with the subject matter expert selected to present the topic.

Exhibits

The 2019 Armament Systems Forum invites Exhibits by government, industry and academia. The exhibit area is a great opportunity to showcase products and capabilities to the speakers and attendees, and to have one-on-one interactions with government and industry leaders. Companies wishing information on how to exhibit may contact Sarah O'Hanley, Armaments Systems Forum Exhibit Manager (sohanley@NDIA.ORG).

Technology Demonstration

The Armament Systems Forum annually includes technology demonstrations which seek to include armament technologies and systems linked to each of the three Armament Divisions (Small Arms, GARM, and UEA). A Technology Demonstration will be conducted in 2019. Any company interested in demonstrating a weapon system, ammunition, fire control or other evolving technology or capability, please contact one of the Division chairpersons.

Presentation Topics

The 2018 theme “The Evolving Threat Spectrum—Armament Response” focused on establishing combinations of systems, technology, and operational approaches to provide decisive advantage and to bolster conventional deterrence through adaptability to multiple threats. The 2019 theme is focused on leveraging technology and system integration to achieve operational objectives.

Abstracts are sought for presentations from government and industry addressing key armament system and related technology initiatives including:

- Armament Modernization, Readiness, Threat Response Overmatch
- Armament Systems Initiatives of the US Army, USAF, U.S. Navy, USMC, and DARPA
- Legacy System Enhancements and Readiness
- Platform Integration (Land, Sea, Air, Manned and Autonomous)

- Armament System Manufacturing
- Armament System Logistics and Maintenance
- Armament System Training Systems
- Armament System Capability Readiness
- International Participation from Allies and Partners

Track Themes

The Armament Systems Forum brings together three Division committees to address the full spectrum of armaments in plenary session and highly-focused tracks. The themes this year for the committee tracks are:

Small Arms - Next Generation of Integrated Small Arms Systems: weapons—ammunition—training

Guns, Ammunition, Rockets & Missiles: Technology, Integration, Innovation: Realizing the Future of Gun, Ammunition, Rocket, and Missile System Modernization

Unconventional Emerging Technology: Accelerating a Broad Spectrum of Future Effects for the Warfighter

Conference Registration

Authors of abstracts that are selected for presentation are required to register and pay conference fees. Fee guidelines and criteria will be provided as soon as possible. Please keep this in mind prior to submitting an abstract.

Restricted Access Presentation Content

Presentation of Unclassified Export Controlled Technical Data and/or any data associated with the United States Munitions List (USML) or the Commerce Control List (CCL). The 2019 Armament Systems Forum will include sessions with open discussion Distribution A content and limited access Distribution D Content. Authors must indicate whether the presentation for which they are submitting an abstract will be one of the following:

- Distribution A - Approved for Public Release,
- Distribution D - Department of Defense and U.S. DoD Contractors (Joint Certification Program), or US Citizens Only.
- U.S. Citizens Only

Do not submit an abstract that contains Distribution D, Unclassified Export Controlled Technical Data. If an abstract is accepted for a presentation which will contain Distribution D content the authors will be given instructions on how to submit that presentation in accordance with NDIA procedures for handling Unclassified Export Controlled Technical Data. The title of any presentation that will contain controlled unclassified information (CUI) must itself be approved for public release.

Authors who are DoD Contractors will be required submit an Employment Verification Letter and copy of their companies' DD2345 Form for access to or presentation in Distribution D sessions. Government employees/active duty military will be required to present a CAC card when accessing these sessions/content.

NOTE: The Armament Systems Forum is an unclassified conference. **DO NOT** submit an abstract for a presentation that is classified.

Submission Schedule

Authors should submit abstracts relevant to the forum theme and sub-themes provided by the committees. Abstracts should be clear and address Armament System technologies, enablers, and integration providing benefits to the community at large.

Submission Deadline: February 8, 2019

Notification to Authors: February 2019

Final Program: March 2019

While the division strongly discourages marketing, it is recognized that presentations involving innovation, emerging technologies and new systems may have the appearance of a “sales pitch”. The division encourages the innovation and initiative of companies, commands and individuals who are addressing solutions to capability gaps, advancing the state of the art, addressing weapon system integration, providing unique production capabilities or related supporting capabilities. Attention to “lessons learned”, operational capability and evolving impact of industrial base capability are of interest. International participation is welcomed.

It is the responsibility of each author to obtain approval to attend sufficiently far in advance of the forum to allow NDIA to publish an accurate program.

Abstracts for Poster Session

Poster presentations are an effective approach to exchange program and technology information. Authors may choose to have both presentations and participation in a poster session or select the one most appropriate for the topic. Poster session participation enables the presenter an opportunity for direct discussion of the subject with individual attendees. Authors submitting abstracts are asked to identify if a poster or oral presentation is desired, or both.

Each poster presenter will be provided a bulletin board which is used to display the poster. The size of the bulletin board is 2ft wide by 3ft tall. Poster presenters must be at their poster during the reception and scheduled breaks.

Poster sessions will be in uncontrolled spaces and therefore should not contain any restricted access information. A poster found to have restricted access content will be promptly removed.

Submission Guidelines

Abstracts must be submitted electronically through the NDIA abstract portal. All requested information must be completed for the abstract to be considered. Once an abstract has successfully been submitted, a confirmation email will be sent to the principal author.

Submit abstracts at the following link: <http://application.ndia.org/abstracts/9610/>

Each author must provide the following data:

Principal Author/Presenter: the full name and contact information for the principal author. This person is the main contact for the abstract/presentation and will receive all notifications, confirmations, and further instructions from NDIA. They will also be listed as the presenter in the forum program if the abstract is selected for presentation.

Additional Authors: Any additional authors for the abstract submission should be listed in this area and their names will appear on the “Additional Authors” page in the forum program.

Author Biographies (2000-character limit): The presenter’s biography must be submitted here for use by the session chair during the forum. Short introductory comments are preferred.

Forum Track: Please select the category to which your abstract belongs i.e. Small Arms, GARM or Unconventional Emerging Technology Armament Systems.

Presentation Preference: please choose either presentation, poster session, or both

Access Restriction: please indicate one of the following

- Distribution A - Approved for Public Release,
- Distribution D - Department of Defense and U.S. DoD Contractors (Joint Certification Program), or US Citizens Only.
- U.S. Citizens Only

Title (200-character limit): please enter the title of the presentation

Text (5000-character limit): place the content of the abstract here. Do not insert graphics or tables.

Tips for Authors

Since numerous abstracts will be submitted, it is important that the abstract clearly outline the summary of the project objectives, results, benefits to defense capability and the warfighter. It is desired that abstracts link to the Armament Forum theme and discuss specific capability benefits. Preference will be given to those abstracts that provide a concise and thorough summary of the project objectives and results. Your title should be concise as it will be listed in the forum program. Submissions must be appropriate for an open 20-minute oral presentation which includes 5 minutes for questions and answers. Presentation guidelines will be provided with notices of presentations selected.

Questions

Armaments Division Program Content

- Armaments Division Chair, (dbroden@brsbis.com)
- Small Arms - Brian Berger, GTDS America (brian.berger@gtds-america.com)
- Guns, Ammunition, Rockets, and Missiles - Matt Phillips, General Dynamics (Matthew.Phillips@gd-ots.com)
- Unconventional and Emerging Armament Systems - Dan Hartman, Spectra-Tech (DHartman@spectra-tech.net)

Abstract Submission

- Dave Chesebrough, NDIA (dchesebrough@ndia.org)
- Meredith Mangas, NDIA (mmangas@ndia.org)

More Information

Visit the Armaments Division Upcoming Events web page for more detailed information.

<http://www.ndia.org/divisions/armaments/upcoming-events>