

## CALL FOR PAPERS

Insensitive Munitions and Energetic Materials Technology Symposium - #6550

September 12 - 15, 2016

Gaylord Opryland Hotel & Convention Center - Nashville, TN

### CONFERENCE OBJECTIVE

The U.S. National Defense Industrial Association (NDIA) and the NATO Munitions Safety Information Analysis Center (MSIAC) are sponsoring a joint industry/government symposium on Insensitive Munitions (IM) and Energetic Materials (EM). This year's theme is "Advanced IM / EM Solutions: Minimizing Risk to our Warfighters and Delivering Needed Performance, Security, and Readiness to Address Evolving Threats in our World."

New IM technologies, EM and formulations are being deployed into the field. This symposium will look at the benefits of these new solutions on the warfighter, logistics, cost and safety of operations. The 2016 IM and EM Technology Symposium is the premier international gathering for the exchange of information on advancements in IM and EM and their benefits to the warfighter.

### PAPER CLASSIFICATION

This UNCLASSIFIED program will feature presentations of technical papers that provide an overview of the technology advances from multiple national government services and agencies, international government organizations, private industry and academia. We are interested in papers related to technologies and approaches for development, implementation and fielding of EM and IM solutions. Acceptable papers will include aspects of technology related to explosives, gun or rocket propellants and their application to weapon systems.

### ABSTRACTS

Individuals are required to submit a concise abstract of 5000 characters or less no later than May 2, 2016. Authors will be notified whether or not their proposed paper has been accepted for presentation the week of May 31, 2016.

Please upload your abstract via the NDIA web site at the following web link and complete ALL required information. ALL papers will be submitted electronically in accordance with specific instructions included in author notification.

<http://application.ndia.org/abstracts/6550>

### PAPER REQUIREMENTS

Presentations should be in Microsoft Power Point Format (all versions accepted). Oral presentations will be limited to 15 minutes plus 5 minutes for questions. Abstracts, papers, and presentations must be UNCLASSIFIED and CLEARED FOR PUBLIC RELEASE. Full, unclassified written papers, cleared for public release, are required in order to present at the symposium.

### SUGGESTED PAPER TOPICS:

- ▶ National and International experience with fielded IM technologies
- ▶ Performance advances with IM / EM technologies
- ▶ Demonstrated examples and benefits of IM to our Warfighters
- ▶ New and insensitive energetic compounds and formulations
- ▶ IM and performance modeling, verification, and validation
- ▶ Advances in initiation systems for Insensitive Munitions
- ▶ IM testing and threat analysis methodologies with lessons learned
- ▶ Life cycle assessment and aging characteristics of Insensitive Munitions and EM systems
- ▶ Novel energetic materials advances in nano material, reactive materials, enhanced blast explosives, oxidizers, and high density ingredients
- ▶ National policies, strategies, and standardization for IM / EM
- ▶ International Collaboration on IM / EM technology implementation
- ▶ Novel IM / EM processing techniques and manufacturing challenges within the industrial base
- ▶ Advances in affordable, robust manufacturing technologies for IM / EM

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