



## Call for Papers

### **Journal of Defense Modeling and Simulation: Applications, Methodology, Technology (JDMS)**

### **Special Issue: Reusability, Interoperability and Composability in Air Warfare Simulations**

#### **Introduction**

Air warfare simulations have long been utilized by the defense modeling and simulation community. Efforts which aimed at developing models for the agents of air to air, air to ground and surface to air combat have resulted in extensive literature including electronic warfare, command and control systems, weapons and platform modeling. Meanwhile the advances in distributed and agent-based simulation technologies have enabled a wide range of constructive, virtual and live warfare simulations to be developed. Recently, as a variety of models and simulations are ready and available, the defense community is facing the problems of reusing, interoperating and composing them.

This special issue is devoted to publishing the results of recent studies from air warfare simulation domain that have earned avant-garde victories against the tough methodology problems of modeling and simulation. Thus, potential contributions to this special issue can include but are not limited to:

- Tools and methodologies for developing reusable air warfare simulations
- Knowledge reuse for air warfare simulations
- Air warfare simulation architectures
- Simulation infrastructures enabling composability and interoperability of air warfare simulations
- Service oriented air warfare simulations
- Agent oriented air warfare simulations
- C2 – air warfare simulation interoperability
- Semantic technologies towards composable and interoperable air warfare simulations

- Air warfare conceptual models towards composability
- Ontologies for air warfare simulations

Papers submitted should not be concurrently under review at another conference, journal or similar venue.

### **Instructions for Manuscript Preparation**

For manuscript formatting and other guidelines, please visit the [Author Guidelines for JDMS](#).

Note: Manuscripts must not have been previously published or be submitted for publication elsewhere. Each submitted manuscript must include title, names, authors' affiliations, postal and e-mail addresses, and a list of keywords. For multiple author submission, please identify the corresponding author.

### **Due Dates**

Submission of full papers	June 15, 2010
Notification of acceptance	September 15, 2010
Submission of final (revised) papers	January 15, 2011
Publication Expected	Spring / Summer 2011

### **Submissions for full paper review**

All manuscripts must be submitted electronically through the [JDMS Manuscript Submission System](#). To upload the paper, follow the displayed instructions. In the title page, author(s) must specifically mark that the paper is intended for this special issue as follows: "**Submission for the Special Issue of JDMS: Reusability, Interoperability and Composability in Air Warfare Simulations.**"

### **Final paper submissions**

Each final submission must be prepared based on the JDMS journal requirements (see the [Author Guidelines for JDMS](#) page).

**For questions contact the editors at:**

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