



North Atlantic Treaty Organization

***Research and Technology Agency***

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MSG-069/RSY-013

Tel: (33) (0)1 55 61 22 94

3 April 2009

**CALL FOR PAPERS**

**For the 2009**

**NATO MODELLING & SIMULATION GROUP (NMSG) SYMPOSIUM**

Covering the following themes:

Support to Operations, Human Behaviour Representation, Irregular Warfare, Defence Against Terrorism and Coalition Tactical Force Integration

to be held

at

**THE ROYAL MILITARY ACADEMY, BRUSSELS, BELGIUM**

**15-16 October 2009**

This activity is open to NATO Nations and Partners & Mediterranean Dialogue Nations

**DEADLINE FOR RECEIPT OF ABSTRACTS: 30 June 2009 (Extended)**

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## **NATO'S RESEARCH & TECHNOLOGY ORGANIZATION (RTO)**

RTO is the single focus in NATO for Defence Research and Technology activities. Its mission is to conduct and promote cooperative research and information exchange. The objective is to support the development and effective use of national defence research and technology and to meet the military needs of the Alliance, to maintain a technological lead, and to provide advice to NATO and national decision makers. The RTO performs its mission with the support of an extensive network of national experts. It also ensures effective coordination with other NATO bodies involved in R&T activities.

The total spectrum of R&T activities is covered by the following 7 bodies:

SAS: Systems, Analysis and Studies Panel

IST: Information Systems Technology Panel

SCI: Systems Concepts and Integration Panel

AVT: Applied Vehicle Technology Panel

SET: Sensors and Electronics Technology Panel

HFM: Human Factors and Medicine Panel

**NMSG: NATO Modelling and Simulation Group**

**The Mission of the NATO Modelling and Simulation Group (NMSG)** is to function as a management body in which the full range of Modelling and Simulation (M&S) interests can be represented; and to promote the coherent management and co-ordination of M&S across all Alliance activities in the principal application areas of defence planning, technology development and armaments acquisition.

The scope of activity under the NMSG is: a) M&S policy management. Promote exchange between the nations and Alliance organisations on M&S standards and best practice, which will co-ordinate and harness individual M&S capabilities and activities for the long-term systematic benefit of NATO. This exchange must be responsive to varied interests and respond to NATO roles and missions. b) Management and co-ordination of M&S activities. Develop, maintain and integrate a co-ordinated long-term strategy for NATO M&S activities. Identify and co-ordinate opportunities for M&S activities across the whole of the Alliance, including the NATO Military Authorities, the International Staff, technology development organisations, and application development organisations. Co-ordinate these activities to the best extent possible with the NATO nations and include the activities and interests of partner nations. Develop M&S project work plans and associated resource requirements for forwarding to NATO budget authorities via the Research and Technology Board (RTB).

## **NATO MODELLING AND SIMULATION GROUP**

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### **VICE-CHAIRMAN**

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## **THEME**

The importance of Modelling and Simulation (M&S) and its impact on training, experimentation and analysis in NATO and nations is well-known and continues to grow. The Committee this year has decided against a single Symposium Theme and chosen instead to seek papers across a number of topically key themes that many nations are currently engaged in and would merit further discussion. This Symposium will specifically seek papers covering the following;

- Support to Operations**
- Human Behaviour Representation**
- Irregular Warfare**
- Defence Against Terrorism**
- Coalition Tactical Force Integration**

All of the above-mentioned themes continue to benefit from advances in low-cost, high power computers, graphics from the commercial and telecommunications markets, and developments in the military environment to enable better interoperability and reuse between simulations and the integration of command & control systems.

There have been many technical activities and success stories within NATO and the Nations to improve interoperability and ensure effective reuse. From an Alliance perspective, the vision of Project Snow Leopard to create a persistent distributed network for training and experimentation is a significant step towards this goal with direct impact on the preparation of our forces: The HLA STANAG 1516, the SEDRIS STANAG series, MSG-027 Pathfinder Integration Environment, MSG-048 Coalition-Battle Management Language (C-BML), MSG-053 Rapid Scenario Generation, all provide valuable contributions. With NATO engaged in long-term operations, the ACT mission is focussed on both the short- and long-term benefits to the warfighter. This increases the need to obtain improved representation and rapid insertion of technology in training systems and interoperability. This Symposium will seek and focus on Papers that highlight or demonstrate where technology is pushing the boundaries and making a difference in those key areas. In addition, the Symposium will also address the themes of research, development and the application/adaptation of models and simulation in the defence and commercial environments.

The Symposium will provide attendees a forum in order to understand where we are and what challenges lie ahead in order to advance the role of M&S not only in the Alliance, its Partner and Contact Countries, but also in the commercial and multi-agency environment. The combination of M&S users and developers concentrated in this one forum will not only educate attendees, but also provide fresh ideas for the advancement of NATO M&S.

The Symposium also plans to have Invited Papers on the following topics:

- The NATO Response Force – Support to Operations
- NATO - Long Term Capability Requirements (LTCRs) – Improving M&S
- Military Exercising, Training and Decision Support – Coalition Tactical Force Integration

# 2009 NATO MODELLING & SIMULATION GROUP (NMSG) SYMPOSIUM

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## CALL FOR PAPERS

### 1. INTRODUCTION

The Symposium will be held at **The Royal Military Academy, Brussels, Belgium from 15-16 October 2009**, and is supported by the NATO Modelling and Simulation Group (NMSG) of the Research and Technology Organization (RTO). All Sessions of the Symposium will be **Unclassified**. The Symposium is open to NATO, Partner & Mediterranean Dialogue Nations. Attendance at RTO meetings is by request only.

Authors are invited to submit papers for this Symposium. Papers can be accepted in English or French. Simultaneous translation will be provided between these two languages at all Symposium Sessions. The Programme Committee will select about 20 papers that are considered suitable for presentation at the Symposium. The selection of papers will be completed by the end of June 2009. Authors will be notified shortly thereafter on the acceptance of their paper. Authors of selected papers will also be provided with the Instructions for Authors document, which contains detailed instructions for the presentation, transmission, etc. of papers.

The time allowed for each speaker is normally 30 minutes; 20 minutes for presentation and 10 minutes for discussion. Equipment will be available for PowerPoint presentations.

**IMPORTANT:** Authors of selected papers are to provide NATO MSCO with a printed version of their complete manuscript (PDF file) **and** the source document (MS Word) **by e-mail 30 days prior to the Symposium, as well as the Publication Clearance Certificate (Form 13)**. Cleared papers, when available, will be put on the RTA Website prior to the Symposium, under the “Pre-Released” section of the “Reports” pages and will remain as such until officially published.

One copy of the **oral presentation** of the paper is also requested prior to the Symposium for the use of the interpreters. *Further details of all these requests can be found in the “Authoring Support” pages of the RTA Web site.*

*Note: The Symposium will be Unclassified and the proceedings will be Unclassified/Unlimited Distribution.*

## 2. ABSTRACTS

Unclassified abstracts of papers offered for the Symposium should be submitted in the following format:

### 2009 NATO MODELLING AND SIMULATION GROUP SYMPOSIUM

#### *TITLE OF ABSTRACT/PAPER*

**Support to Operations**  
**Human Behaviour Representation**  
**Irregular Warfare**  
**Defence Against Terrorism**  
**Coalition Tactical Force Integration**

Please indicate which Topic best represents paper subject matter

**Title/Rank, Full Name of Author/Co-Author(s)**

LENGTH	-	200 to 500 words
CONTENT	-	Introduction/relevance to the Symposium
	-	Rationale
	-	Description of methods employed and results obtained
	-	Conclusions

**Authors' names, complete mailing addresses and e-mails must be included with the abstract.** Please use the Details of Authors Form (Attachment 1). Submissions without name(s) and complete address of author(s), or incompletely filled in Details of Authors Forms will not be considered.

Abstracts should be submitted by **e-mail to the MSCO Assistant** ([ganzi@rta.nato.int](mailto:ganzi@rta.nato.int)) no later than **30 JUNE 2009** for subsequent transmission to the Programme Committee Members. This date is important and **must be met** in order to ensure consideration.

**The abstract must also contain a declaration from the author(s) that there are no restrictions regarding presentation neither during the conference nor of the publication of the paper (as described in the abstract) in the Meeting Proceedings.**

## 3. CLEARANCE OF PAPERS/ABSTRACTS

**It is the responsibility of each contributor to fulfil the publication release requirements of his/her organisation/company and country and to obtain the mandatory clearance of abstracts, papers and presentations. An official clearance is mandatory in the United Kingdom and United States. Please contact your national PoC or the MSCO Assistant for further information and specific procedures.**

### **SPECIAL INSTRUCTIONS FOR U.S. AUTHORS:**

All U.S. authors and Non-US citizens or residents affiliated with US Organizations must submit proof from their local authority and the U.S. Government (if applicable) that their abstract has been cleared. All U.S. authors must include the following statements in a cover letter:

- a) the work described in this abstract is cleared for presentation to NATO and Partner Nations audiences.
- b) if the work is sponsored by a government agency, identify the organisation and attest that the organisation is aware of submission;
- c) the abstract is technically correct.
- d) the abstract is Unclassified and
- e) the abstract does not violate any proprietary rights.

### **4. PRELIMINARY SCHEDULE**

30 June 2009	– Deadline for abstract submission
26 June 2009	– Notice to authors of acceptance and authors receive “Instructions for Authors” Information
30 July 2009	– Authors receive notice of opening of on-line registration
18 Sept 2009	– Deadline for manuscript submission and Publication/Presentation Clearance (Form 13)
15-16 Oct 2009	– Symposium

### **5. ADDITIONAL INFORMATION**

Authors will be notified by the RTA of the opening of on- line enrolment and receive a General Information Package around **30 July 2009**.

Any questions on the technical aspects of the scientific programme should be addressed to the Programme Committee Members. Questions on the administrative aspects of this Symposium and requests for further information on RTA activities should be addressed to the **MSCO Assistant**, Ms. Illeana Ganz ([ganzi@rta.nato.int](mailto:ganzi@rta.nato.int)) - Tel: +33 (0)1 55 61 22 94 - Fax: +33 (0)1 55 61 96 19.

#### **NOTE**

**Authors of papers selected for presentation at NATO/RTO Conferences are not financially supported by this organisation**

Thank you for your contributions which are most appreciated by all the NATO community.

(Original signed by)  
P. NEWMAN  
Head, NMSCO and Programme Committee Chairman

