



SCIENCE AND TECHNOLOGY ORGANIZATION  
NATO MODELLING AND SIMULATION GROUP



MSG-111-RSY/21

8 February 2013

## CALL FOR PAPERS

### For the 2013 NATO MODELLING & SIMULATION GROUP (NMSG) MULTI-WORKSHOP

Themes:

#### **M&S Support to Transitioning Forces Emerged/Emerging Disruptive M&S Technologies**

to be held in



VIBE HOTEL NORTH SYDNEY  
88 Alfred Street, Milsons Point, NSW 2061



**17<sup>th</sup> – 18<sup>th</sup> October 2013**

This activity is open to NATO, All Partner Nations and Invited Observers  
All sessions will be **Unclassified/Unlimited**

**DEADLINE FOR RECEIPT OF ABSTRACTS: 31 May 2013**

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## NATO SCIENCE & TECHNOLOGY ORGANIZATION

The NATO Science & Technology Organization (STO) is a NATO subsidiary body to the North Atlantic Council (NAC) established with a view to meeting to the best advantage the collective needs of NATO, NATO Nations and partner Nations in the fields of Science & Technology (S&T).

The mission of the NATO STO is to help position the Nations' and NATO's S&T investments as a strategic enabler of the knowledge and technology advantage for the defence and security posture of NATO Nations and partner Nations, by:

- a) Conducting and promoting S&T activities that augment and leverage the capabilities and programmes of the Alliance, of the NATO Nations and the partner Nations, in support of NATO's objectives;
- b) Contributing to NATO's ability to enable and influence security- and defence-related capability development and threat mitigation in NATO Nations and partner Nations, in accordance with NATO policies;
- c) Supporting decision-making in the NATO Nations and NATO.

The STO performs its mission with the support of an extensive network of national and international experts. It also ensures effective coordination with other NATO bodies involved in S&T activities.

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

AVT:	Applied Vehicle Technology Panel	<b>MSG:</b>	<b>NATO Modelling and Simulation Group</b>
CMRE:	Centre for Maritime Research and Experimentation	SAS:	Systems, Analysis and Studies Panel
HFM:	Human Factors and Medicine Panel	SCI:	Systems Concepts and Integration Panel
IST:	Information Systems Technology Panel	SET:	Sensors and Electronics Technology Panel

**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 Science and Technology Board (STB).

## NATO MODELLING AND SIMULATION GROUP OFFICERS

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## THEME

The increasing capability of M&S is leading to its far greater exploitation and utilisation across the defence domain. At a time where NATO is drawing down its forces in the Middle East, resetting capability and transitioning forces to training and preparedness, M&S will be critical in achieving the goals in a cost effective way. M&S supported analysis of lessons learned will enhance Rapid Reaction and forces' adaptability. Modelling the human behaviours of individuals and organisations in different societies will increase forces' cultural and social awareness. Augmented Reality and Mixed Reality technologies will enhance training and mission preparation at lower cost and with less impact on the environment.

The Multi-Workshop will look to share the latest thinking on smarter ways to exploit M&S in areas that NATO has prioritised. These areas include Missile Defence, Cyber Defence, Future Mission Networks, Counter IED operations, and others. Modelling and Simulation provides an enabling capability that can greatly help the Alliance to achieve its Smart Defence goals at less cost. By identifying opportunities and challenges, the Multi-Workshop will explore the potential for M&S to transform the defence enterprise both in a national and coalition context, now and into the future.

**NMSG 2013 MULTI-WORKSHOP:  
M&S Support to Transitioning Forces  
Emerged / Emerging Disruptive M&S Technologies**

The NATO Modelling and Simulation Action Plan highlights a requirement for modelling and simulation (M&S) education in NATO. This event will provide attendees a forum to advance M&S in the Alliance. 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 furtherance and effective use of M&S in NATO.

The Multi-Workshop will provide a forum to identify and gain input on and resolution of issues associated with NATO M&S Policy, provide overviews of current NATO M&S activities pertaining to both the development and effective employment of M&S, to highlight M&S impact assessments and lessons-learned.

During the 2013 NMSG Multi-Workshop, a specific topic of current interest for NATO/National priority will be chosen for the next year's edition of this event.

It is anticipated the event will also pursue Keynote Addresses from the Host Nation and NATO representatives and also Invited Papers.

## **2013 PROGRAMME COMMITTEE**

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## CALL FOR PAPERS

### 1. INTRODUCTION

The Multi-Workshop will be held in **Ball Rooms, Ground floor at the Vibe Hotel Sydney in Sydney, Australia, 17-18 October 2013**, and is supported by the NATO Modelling and Simulation Group (NMSG) of the Science and Technology Organization (STO). All sessions will be **Unclassified/Unlimited**. The event is open to NATO and Partner Nations and Invited Observers. Attendance at STO meetings is by request only.

Authors are invited to submit papers for this event. The Programme Committee will select a number of papers that are considered suitable for presentation at the Multi-Workshop. The selection of papers will be completed by the 28 June 2013. Authors will be notified shortly thereafter whether or not their papers are selected. Authors of selected papers will also be provided with information in the Instructions for Authors, which contains detailed instructions for the presentation, transmission, etc. of papers.

The time allowed for each speaker is normally 30 minutes, including 10 minutes for discussion. Equipment will be available for PowerPoint presentations. Paper presentation times will be given in the Programme Announcement sent to all authors by MSCO and also included with General Information Package upon validation of website enrolment by the respective National Coordinator.

**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, etc.) **by email 30 days prior to the event, as well as the Publication Clearance Certificate**. Cleared papers, when available, will be put on the CSO Web site prior to the event, under the “Pre-Released” section of the “Reports” pages and will remain as such until officially published.

*Note: The proceedings will be **Unclassified/Unlimited**.*

### 2. ABSTRACTS

Unclassified abstracts of papers offered for the Multi-Workshop should be submitted in the following format:

#### **2013 NATO MODELLING AND SIMULATION GROUP Multi-Workshop**

##### ***TITLE OF ABSTRACT/PAPER***

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

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

**Authors' names, complete mailing addresses and emails 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 **email to the MSCO Assistant** (contact details on page 3) no later than **31 May 2013** 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 event 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 (Form 13) is mandatory in the United Kingdom and United States. Please contact your national PoC or the MSCO Assistant for further information and specific procedures.

### **4. INSTRUCTIONS FOR U.S. ABSTRACTS**

**U.S. abstracts, even though they are unclassified should be submitted by 4 May 2013 to the U.S. P.O.C. ONLY. (U.S. authors should refer to Attachment 1 for more details).**

In addition US abstracts must include:

- B. CONTENT - Your abstract should fully represent your contribution
- C. IDENTIFICATION - Information on Attachment 1 must be provided with all abstracts
- D. SUBMITTAL - By all authors
- E. CLASSIFICATION - **Abstracts must be Unclassified**

## 5. PRELIMINARY SCHEDULE

31 May 2013	Abstracts due
28 Jun 2013	Abstract accept/reject notifications; authors of accepted papers receive “Instructions for Authors” Information
28 Jun 2013	Online registration opens; authors receive notice
02 Sep 2013	Papers due in electronic form
01 Oct 2013	PowerPoint presentations due
17 Oct 2013	NMSG Annual Multi-Workshop opens

## 6. ADDITIONAL INFORMATION

Authors will be notified by the MSCO of the opening of on line enrolment and receive a General Information Package about the Multi-Workshop site and the host country around **28 June 2013**.

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 event and requests for further information on STO activities should be addressed to the **MSCO Assistant**, Illeana Ganz ([illeana.ganz@cs0.nato.int](mailto:illeana.ganz@cs0.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/STO events are not financially supported by this organisation**

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

(Original signed by)  
Hans JENSE  
Programme Committee Co-Chair

**SPECIAL NOTICE FOR U.S. AUTHORS AND  
NON U.S. CITIZENS AFFILIATED WITH U.S. ORGANIZATIONS**

Abstracts of Papers from the U.S. must be sent **ONLY** to the following P.O.C.:

**NATO STO U.S. National Coordinator  
OASD (R&E)/International Technology Programs  
4800 Mark Center Drive  
Alexandria, VA 22350-3600  
E-mail: [usnatcor@osd.mil](mailto:usnatcor@osd.mil)  
Tel: +1 571 372 6538  
Fax: +1 571 372 6548**

PLEASE NOTE THE FOLLOWING:

All U.S. Authors must submit one electronic copy to this P.O.C. by **4 MAY 2013**

1. In addition to their abstract, all U.S. Authors must provide to the P.O.C:
  - A certification (can be signed by the author) that there are no proprietary or copyright limitations;
  - Internal documentation from their local public affairs or foreign disclosure office (or equivalent) that clearly shows:
    - Title of the paper or presentation
    - Level of clearance (i.e., Approved for public release)
    - Name, title, and organization of the approval authority
2. After review and approval, the P.O.C. will forward all U.S. abstracts to MSCO Executive Office. All US abstracts must be received directly from the U.S. POC. US abstracts will not be accepted directly from authors.
3. In the event, there are any questions or concerns with these requirements, U.S. authors are encouraged to contact the P.O.C. as early as possible. Delays in meeting P.O.C. deadlines will impact the timely submission of your abstract.

## ATTACHMENT 2

**DETAILS OF AUTHORS FORM:** (Unless otherwise specified, the first listed author will be presumed to be the Senior author, i.e. the author having a major responsibility for the content of the paper, and a major interest in the result of the selection of papers)

**Title of Paper:** \_\_\_\_\_

Title/Rank:                      Name:    Surname: Nationality: Position: Affiliation: Telephone:    Telefax: Email Address:	Office Address:
Title/Rank:                      Name:    Surname: Nationality: Position: Affiliation: Telephone:    Telefax: Email Address:	Office Address:
Title/Rank:                      Name:    Surname: Nationality: Position: Affiliation: Telephone:    Telefax: Email Address:	Office Address:
Title/Rank:                      Name:    Surname: Nationality: Position: Affiliation: Telephone:    Telefax: Email Address:	Office Address: