DEPARTMENT OF THE ARMY
HEADQUARTERS, TRADOC ANALYSIS CENTER
255 SEDGWICK AVE
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REPLY TO ATTENTION OF

S: 26 June 2015

ATRC

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Announcement and Call for Papers, Fifty-Third U.S. Army Operations Research Symposium (AORS 2015)

1. Purpose. The U.S. Army TRADOC Analysis Center (TRAC) is co-hosting the 53rd Army Operations Research Symposium (AORS) on 27-29 October 2015, at Aberdeen Proving Ground, Maryland. The theme for this symposium is "Winning in a Complex World."

2. AORS provides an excellent opportunity for Army analysts to meet with their colleagues, present their best work, and exchange professional knowledge, experiences, and insights. Nine special sessions are planned: (1) Current Operations, (2) Future Capabilities, (3) Force Development, (4) Sustainment, (5) Resource Analysis, (6) Advances in OR & Technology (R&D), (7) Manpower, Personnel, & Training Analysis, (8) Human Dimension, and (9) Cyber Analysis. Enclosure 1 provides more detailed descriptions of the working groups.

3. Please solicit and encourage attendance and abstracts from members of the civilian and military workforce in organizations under your command. All contractor attendees must be command sponsored, nominated by a Government principal, and be a presenter or a co-author of a presentation.

4. AORS 2015 is unclassified. Attendees to prior AORS have included representatives from Australia, Canada, the Federal Republic of Germany, France, the Netherlands, New Zealand, the Republic of Korea, and the United Kingdom. Accordingly, all subject material must be releasable to general and international audiences. Therefore, a disclosure form must accompany each abstract and presentation submitted for consideration as part of this year's event. Disclosure forms are provided at Enclosure 2. Please note there are two disclosure forms; a disclosure form must be submitted with each abstract, and a second disclosure form must be submitted with each briefing selected for presentation. TRAC is currently working to obtain conference approval; abstract submitters will be notified when this determination is made. Parent organizations are expected to fund the attendance of their participants.

5. Analysts who would like to present briefings should electronically submit abstracts (with disclosure form) to usarmy.leavenworth.trac.mbx.aors-2015@mail.mil no later than 26 June 2015. Abstracts must be created in Microsoft Office Word using the format provided at Enclosure 3. The appropriate session chairs will select those approved for presentation from the group of submitted abstracts. Individuals will be notified of the status of their submissions not later than 31 July 2015. Authors/co-authors of selected abstracts must then submit an electronic copy of the final presentation (with disclosure form) to the AORS staff not later than 25 September 2015.

6. AORS 2015 will include a display of posters submitted by Army analytic organizations that inform viewers about the primary models and simulations they use to support the analysis they perform. Each analytic organization may submit a single poster for display. Details regarding creation of these posters are provided at Enclosure 4. Please submit an abstract and disclosure form for each poster to usarmy.leavenworth.trac.mbx.aors-2015@mail.mil also no later than 26 June 2015.

7. Please check the AORS website http://www.aors.army.mil for information on registration and general administration of the conference. For any and all further assistance regarding AORS 2015, please contact either:

Ms. Sharon Wagner
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PAMELA I. BLECHINGER
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Director

4 Encls
1. Working Group Descriptions
2. Abstract Disclosure Form
3. Presentation/Poster Disclosure Form
4. Poster Abstract Form

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SPECIAL SESSIONS
53rd AORS (2015)

Topical Workgroup (53rd AORS)

Human Dimension
Analysis of the cognitive, physical, and social components of Soldier, Army Civilians, leader, and organizational development, performance essential to raise, prepare, and employ the Army in unified land operations.

Cyber Analysis
Analysis to examine the effects and capabilities of Cyberspace Operations, Signal/Communications Networks, and Electronic Warfare, and the impact on DOTMLP-F decisions and the Warfighter.

Enduring Working Groups

Current Operations
OFS, Asia-Pacific, Humanitarian Relief Operations, CONUS Disaster Relief, Homeland Security.

Future Capabilities
Future Capabilities Integration, Combat Developments, Capabilities Requirements, AoA, Development of Concepts, Doctrine & Organization.

Force Development
Analysis Support to Major Defense Reviews, ARFORGEN Analysis, Analytic Agenda, Force Structure & Materiel Requirements, Long Range Resource Analysis.

Sustainment
Logistics, Materiel Sustainability, Operational Energy, Distribution, Equipment Analysis and T&E.

Resource Analysis
Cost Benefit Analysis, Cost & Effectiveness Analysis, Resource Allocation Analysis, Stationing Analysis, Costing Methodologies.

Advances in OR & Technology (R&D)
New Methods in OR, Data Collection and Applications of Information Technology to OR problems.

Manpower, Personnel & Training Analysis
Manpower Requirements Determination, Recruiting, Retention and Training, Casualty and Medical Analysis.

Note: The descriptions are illustrative examples and are not intended to be all inclusive of the topics that may be presented within a specific Special Session.

53rd AORS 2015
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Abstracts must be approved for public release or release to the foreign governments of Australia, Canada, Federal Republic of Germany, France, the Netherlands, New Zealand, Republic of Korea, and United Kingdom. NOTE: It is the responsibility of the presenter/author to obtain the required release authority from their respective Foreign Disclosure Officer.

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(EXAMPLE) ABSTRACT
53rd AORS 2015

Route Clearance Team Allocation Tool

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Keywords:
Route Clearance Team, Asset Allocation, IED

ABSTRACT: Faced with the escalating use of Improvised Explosive Devices (IED's) in Iraq and Afghanistan, the Army developed and deployed specially designed Route Clearance Teams (RCT's) to ensure trafficability was maintained along critical Main and Alternate Supply Routes (MSR's and ASR's). These supply routes were/are critical for the movement of logistics and troops throughout the theater of operations. In 2007, the Joint Improvised Explosive Device Defeat Organization (JIEDDO) determined that there appeared to be no established way of determining how RCT resources were best allocated other than at the discretion of the commanders on the ground. In 2008, JIEDDO tasked TRADOC Analysis Center-White Sands Missile Range (TRAC-WSMR) to explore ways in which RCT assets might be better allocated. In response to JIEDDO's request, the RCT Allocation Tool was developed as a method to allocate RCT assets in a manner that was supported by mathematical modeling while incorporating input from units on the ground.

The RCT Allocation Tool is a macro-enabled MS Office Excel 2007 file that, via an allocation algorithm, compares activity around specific candidate bases in a unit's Area of Operation (AO), checks this comparison against user defined limitations, and produces an initial allocation solution for basing Route Clearance assets. In a mature theater, the tool can be utilized to either verify the current asset allocation or to provide analytical underpinning to a proposal for change. In a relatively immature theater or for a recent change of mission, the tool can be used to provide an initial allocation solution based on recent activity. In either case, the tool allows users to make adjustments based on their understanding of, and experience in, the operational environment. The RCT Allocation Tool is currently being promoted in both OIF and OEF. Feedback on its value is forthcoming.

M&S Poster ABSTRACT
53rd AORS 2015

<Name of Simulation Model>

<POC Name>
<Organization Name>
<Address>
<Address>
<City, state, zip code>
<POC phone number>
<POC email address>

Additional POC information, if necessary, using above format.

Keywords:
<add keywords here>

ABSTRACT: Brief description of the simulation model(s); abstract is not required to contain all information that will be provided on the poster. The purpose of the abstract is to reserve space for your poster in the symposium poster display program.

The posters will be displayed in various locations during the AORS and should be no larger than 30" x 24". A display easel will be provided for each poster.

A disclosure form is required for each poster and its abstract; due to the multiple nationalities (US, Australia, Canada, Federal Republic of Germany, France, the Netherlands, New Zealand, Republic of Korea, and United Kingdom) and employment statuses (contractor, government civilian, military) of invited AORS participants, and employment capacity of persons expected to be in the symposium venue area (vendors, local employees, staff, etc.), the information provided on the poster must be publicly releasable, distribution statement A. Enclosure 2 includes a poster disclosure form.

Abstract for each poster and abstract disclosure form must be submitted no later than 26 June 2015 to usarmy.leavenworth.trac.mbx.aors-2015@mail.mil.