

## Programme

### Thursday 16 September 2010

- 08:30 Registration
- 09:00 Introduction from Conference Committee Chairman  
Dr Juan RUIZ, Cdr, ESP Navy, Head MSCO, NATO/RTA
- 09:10 Administrative Announcements
- 09:15 **KN1** Host Nation Keynote Speaker  
Brig VLEUGELS, Commander, Dutch Army Training Command, NLD
- 09:45 **KN2** Invited Keynote Speaker  
Dr James BLAKE SES, Program Executive Officer, U.S. Army, Program Executive Office for Simulation, Training and Instrumentation, USA
- 10:15 COFFEE BREAK

#### INVITED PAPER

- 10:45 **1** MSG-058 Final Report: Conceptual Modelling  
M. CERNAT, Military Equipment and Technologies Research Agency (ROM)

#### Session 1 - IMPROVED TRAINING - THE LVC SOLUTION

Chair - Mr Niels Krarup-Hansen (DNK), NMSG Chairman

- 11:15 **2** An Overview of Collective Mission Simulation Research in the Netherlands  
A. LEMMERS, L. JACOBS, W. HUISKAMP and G. UILENBROEK (NLD)
- 11:45 **3** LVC - It's not just Protocols  
D. BOWMAN and B. DAUGHTREY (GBR)
- 12:15 **4** Embedded Training and LVC  
M. KEUNING (NLD)
- 12:45 LUNCH

#### Session 2 - LVC AND STANDARDIZATION

Chair - Dr Jean-Louis Igarza (FRA)

- 14:15 **5** Live, Virtual, Constructive Architecture Roadmap Implementation & Net-Centric Environment Interoperability (LVCAR-1)  
G. ALLEN, R. LUTZ and R. RICHBURG (USA)
- 14:45 **6** A Proposed Standards Profile for Blended LVC Application Architectures  
R. WITTMAN and J. LOGSDON (USA)
- 15:15 **7** Shared Scenarios Project – Standards and Formats  
G. LONGLEY-BROWN and J. FARRINGTON (GBR)
- 15:45 COFFEE BREAK

#### Session 3 - INTEROPERABILITY IN LVC ENVIRONMENT

Chair - Dr Hans Jense (NATO/NC3A)

- 16:15 **8** Training Architecture Fusion to Achieve LVC Interoperability  
M. ALDINGER and H. FOOR (USA)
- 16:45 **9** Use of Unique Identifiers to Enable Interoperability Among LVC Components  
F. BOWERS and B. GREGG (USA)
- 17:15 **10** VEVA – A Procedure Model for Distributed Simulation Experiments  
R. SIEGFRIED, G. HERRMANN, A. LAUX (DEU) and J. LÜTHI (AUT)
- 17:45 **11** Use of Constructive 3D Simulation to Contribute to Platoon-Level Decision Making During Combat Patrols  
M. STANGL and S. GROSSMAN (DEU)

### Friday 17 September 2010

#### INVITED PAPER

- 09:00 **24** Using Advanced IA CSG for Supporting Training & Experimentation in Country Reconstruction and Stabilization through Interoperable Simulation  
A. BRUZZONE and M. MASSEI (ITA)

#### Session 4 - IMPROVED TRAINING - THE LVC SOLUTION

Chair - Mr Andy Fawkes (GBR)

- 09:30 **12** Virtual Infantry Trainer (VIT)  
C. KOERHUIS and C. HAARMEIJER (NLD)
- 10:00 **13** Integrating a Simulated UAV in a Live Exercise  
T. van den BERG, R. KRIJNEN, W. HUISKAMP and O. SCHAVEMAKER (NLD)
- 10:30 COFFEE BREAK
- 11:00 **14** Agile Live, Virtual and Constructive Training and Experimentation Network  
P. GUSTAVSSON, U. BJÖRKMAN and S. LUNDMARK (SWE)

#### Session 5 - LVC APPLICATIONS AND EXPERIMENTATIONS

Chair - Mr Rombout Karelse (NLD)

- 11:30 **15** Application of the Mediator Design Pattern for Integrating Live Systems and Virtual Simulators in German VIntEL Simulation Network  
F. REINERT, R. HERZOG and S. LEUCHTER (DEU)
- 12:00 **16** Coupling Experiments of Two (FRA/DEU) Wargaming Simulation Systems  
M. KELLERMEIER (DEU)
- 12:30 **17** Interaction of Live, Virtual and Constructive Simulations in a VIntEL-Testbed  
K. KAPPEN, W. WASMUTH, A. PAI and G. RAUER (DEU)
- 13:00 LUNCH

## Session 6 - LVC: HUMAN COMPONENT

Chair - Mr Rob Smith (GBR)

- 14:30 18 The Use of Augmented Reality to Support LVC Training  
J. KEARSE (GBR)
- 15:00 19 Modelling Urban Short Range Interactions  
K.-J. de KRAKER, E. BORGERS, P. KERBUSCH, P. LANGESLAG, J. FREULINGS and C. ROOS (NLD)
- 15:30 20 A Computational Model on Surprise and its Effects on Agent Behaviour in Simulated Environments  
R.-J. MERK (NLD)
- 16:00 COFFEE BREAK

## Session 7 - SOFTWARE TECHNOLOGIES IN SUPPORT OF LVC SIMULATIONS

Chair - Dr Gokay Sursal (NATO/ACT)

- 16:30 21 MSG-048 Technical Activity Experimentation to Evaluate Applicability of a Coalition Battle Management Language in NATO  
K. HEFFNER (CAN) , M. PULLEN (USA) and L. KHIMECHE (FRA)
- 17:00 22 Semantic Web Tools and Technologies in Systems Development  
W. BIZUB (USA)
- 17:30 23 Chronicle of Data Farming: An Overlook  
K.-P. SCHWIERZ (DEU)
- 18:00 CLOSING REMARKS  
Conference Committee Chairman, Dr Juan Ruiz, Cdr, ESP Navy, Head MSCO, NATO/RTA
- 18:10 CLOSE