

NATO Modelling and Simulation Group



**MSG-192 Workshop “Commercial Technologies and Games
for Use in NATO and Nations”
@ NATO CA²X² Forum, 7 October 2021**

Co-Chairs: Wim Huiskamp, Niels Krarup-Hansen



NATO Modelling and Simulation Group (NMSG)
<http://www.sto.nato.int>



Military Relevance

The commercial sector is developing many of the key technologies and applications that have the potential for cost-effective adaptation for defence exploitation and use in modelling and simulation (M&S) applications. The exploitation of commercial technologies and appropriate use of open standards can provide efficiencies and increased benefits for defence applications.

NMSG COTS Workshop Series



the potential for cost-effective
cases such as mission

mercial technologies and use of
improve efficiencies, enabling
simulation community to
omic environments with rapidly



Agenda (1)

- **Session 1: AI for Decision Support and Training Applications**
 - AI Testbed Framework for composable behaviour representation
Matt Smith (Dstl,) David Robson (NSC)
 - Transforming Command and Staff Training for MDO
Pete Swan (Mak), Paddy Little (Cervus Defence)
- **Session 2: Game Architectures and Game Engines**
 - Adapting and Enhancing Commercial Gaming Technologies for Defence and National Security Application. Rob Solly, James East (Improbable)
 - Developing and Reusing Game-based Simulations using NATO Standards
Bjorn Moller (Pitch Technologies)

Agenda (2)

- **Session 3: xR Utilisation in Military Applications**
 - Augmented Reality Utilisation in Military Applications
Col Vadym Slyusar (Armed Forces of Ukraine)
 - Commercial Gaming for NATO and Rapid Integration of Tools by UK Fight Club
LTC (Ret) Jason Jones (Matrix Games), LTC Arnel David (US Army)
- **Session 4: Way Ahead**
 - Opportunities for Military M&S to Capitalize on Gaming Technologies and Competences
Andy Fawkes, Mathew Hemsley (Vedette Consulting), Brian Wardman, Henry Douglas (Dstl)
 - Discussion Slot
- **Wrap-Up**

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The **NATO Modelling and Simulation Group (NMSG)** promotes co-operation among Alliance bodies, NATO member nations and partner nations to maximize the effective utilization of M&S.



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