



Monday September 24, 2012

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| RECEPTION DESK | |
| 07.00 - 18.30 | In-processing – Registration |
| ROOM LEPTIS MAGNA I E II | |
| 09.00- 13.00 | CAX FORUM 2012 & WAMS COMMON OPENING - Chairperson: Lt.Col. Francesco NASCA, NATO M&S COE |
| 09:30-09:37 | - Welcome address NATO M&S COE – Col. Francesco MASTROROSA, NATO M&S COE |
| 09:37-09:45 | - Welcome address WAMS – Prof. Agostino G. BRUZZONE |
| 09:45-09:53 | - Welcome address NATO CAX Forum – Prof. Erdal CAYIRCI, NATO Joint Warfare Centre |
| 09.53-10.00 | - US Joint Staff address – Mr. Stuart WHITEHEAD, US Joint Staff |
| 10.00-10.10 | - ITA MOD address – B.Gen. Giuseppe GIMONDO, Italian Defence General Staff |
| CAX FORUM 12 & WAMS COMMON OPENING - Plenary speakers | |
| 10.10-10:35 | - Innovative approach to CAX design – Dr. Charles OLIVIERO, Directorate of Land Synthetic Environments, Land Force Doctrine & Training Systems, CAN |
| 10:35-11:15 | - Simulation everywhere - Prof. Gabriel WAINER, Dept. of Systems and Computer Engineering, Carleton University, CAN |
| 11.15-11.40 | - Harnessing Model and Simulation to support NATO - Capt. (N) James BYERLY, HQ SACT CAPDEV CE OPEX BH |
| 11.40-12.05 | - NATO Joint Force Training Centre - Training of NCS, NFS and National Forces - BG Jaromir ZUNA, COS NATO Joint Force Training Centre |
| 12.05-12.30 | - Joint Training Environment for Joint Force 2020 – Mr. Thomas IRWIN, Assistant Deputy Director Synchronization & Integration - US Joint Staff J7 |
| 12.30-12.35 | - National Anthem and Hymn to the Fallen by "Granatieri di Sardegna" Brigade Band |
| 12:35-12:55 | SWIMMING POOL AREA Photo opportunity (Plenary) |
| 13:00-14:30 | RESTAURANT AREA – LUNCH BREAK |



| | ROOM LEPTIS MAGNA II | ROOM LEPTIS MAGNA IV |
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| 14:30-16:00 | Tutorial 1 - Interoperable simulation - Chairperson: Lt. (N) Alessandro CIGNONI, NATO M&S COE | Tutorial 2 – CAX Process - Chairperson: Lt.Col. Stefano GIACOMOZZI, NATO M&S COE |
| 14.30-15.00 | Internally Displaced Persons (IDPs), Refugees & Immigrants as Agents and Models for Simulation Scenarios (Genoa University/ Old Dominion University - Speakers: Prof. Agostino BRUZZONE/ Prof. John SOKOLOWSKI) | Cax Planning and Execution (NATO Joint Warfare Centre - Speaker: Prof. Erdal CAYIRCI) |
| 15.00-15.30 | Net-training CAX: a new step for LIVE & VIRTUAL SAR to develop RPMNTS (Reaction Procedures Mobile & Network Training System) concept (Genoa University, ITA - Dr. Michele TURI/ Prof. Agostino BRUZZONE) | Communications/Information System Issues, Technical Risks and Risk Mitigation (NATO Joint Warfare Centre - Speaker: Prof. Erdal CAYIRCI) |
| 15.30-16:00 | Operational and Synthetic Maritime Science & Technology in support of NATO M&S initiatives (Centre for Maritime Research and Experimentation - Dr. Alessandro BERNI) | Exercise Centres and Facilities (NATO Joint Warfare Centre - Speaker: Prof. Erdal CAYIRCI) |
| 16:00-16:30 | OPEN COFFEE AREA - COFFEE BREAK | |
| 16:30-18:00 | ROOM LEPTIS MAGNA IV | |
| | Session: Special Joint Session WAMS/CAX Forum on Cyber Defence Chairperson: Lt.Col. Stefano GIACOMOZZI, NATO M&S COE | |
| 16.30-17.00 | Training operational and higher level headquarters for decision making under cyber attack (WAMS/ CAX FORUM - Speakers- Prof. Agostino BRUZZONE/ Prof. Erdal CAYIRCI) | |
| 17.00-17.30 | Evaluation of Delay/Disruptive Tolerant network (DTN) solutions in networks under intentional attack (Genoa University - NATO M&S COE/ - Speakers - Prof. Mario MARCHESE - Dr. Marco CELLO - Lt. (N) Alessandro CIGNONI) | |
| SOCIAL EVENTS | | |
| | ROOM LEPTIS MAGNA IV | |
| 17.45-18.30 | Social Event - Introduction to Christian Catacombs - Notes on art and history (Vatican Museums – Dr. Alessandro CONFORTI) (Open to CAX Forum 2012 & WAMS participants) | |
| | ERGIFE PALACE HOTEL POOL | |
| 19.30-21.30 | Social Event - CAX Forum 2012 Ice-Breaker (Musical entertainment by "Granatieri di Sardegna" Brigade Band) | |



Tuesday September 25, 2012

| ROOM LEPTIS MAGNA II | | ROOM LEPTIS MAGNA IV |
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| 09.00-10.30 | Session 1 – Distributed and Multiresolution Exercises: Theory, Practice and Challenges - Chairperson: Lt. (N) Alessandro CIGNONI, NATO M&S COE | Session 2 – Scenarios for CAX - Chairperson: Lt.Col. Stefano GIACOMOZZI, NATO M&S COE |
| 09.00-09.30 | Multi-resolution exercise information fusion concept (<i>NATO Communications and Information Agency - Speaker - Dr. Dirk COPPIETERS</i>) | NATO Exercise Settings (<i>NATO Joint Warfare Centre - Speaker - Mr. Mark BLAYDES</i>) |
| 09.30-10.00 | Dynamic Exercise Execution (<i>NATO Communications and Information Agency - Speaker - Dr. Dirk COPPIETERS</i>) | NATO Exercise Scenarios (<i>NATO Joint Warfare Centre - Speaker - Mr. Mark BLAYDES</i>) |
| 10.00-10.30 | Preparation and execution of distributed multi-resolution exercises (<i>NATO Joint Warfare Centre - Speaker - Prof. E. CAYIRCI</i>) | Sharing exercise scenarios (<i>NATO Communications and Information Agency - Speaker - Dr. Dirk COPPIETERS</i>) |
| 10:30-11:00 | OPEN COFFEE AREA - COFFEE BREAK | |
| ROOM LEPTIS MAGNA II | | ROOM LEPTIS MAGNA IV |
| 11:00-12:30 | Session 3 – Special Topics 1 - Chairperson: Mr. Wayne BUCK, NATO HQ SACT | Session 4 – C2 Initialization and Stimulation - Chairperson: Lt.Col. Stefano GIACOMOZZI, NATO M&S COE |
| 11.00-11.30 | U.S. Joint M&S Strategy (<i>US Joint Staff J7 - Speaker - Lt.Col. Christopher VAUGHN</i>) | C2 Inizialization and Stimulation: Analysis of Alternative Approaches (<i>NATO Joint Warfare Centre - Speaker - Mr. Andrzej WNUK</i>) |
| 11.30-12.00 | NATO M&S COE update & bilateral projects with US Defense (<i>US Joint Staff J7 - NATO M&S COE – Speakers - Mr. Stuart WHITEHEAD/ Col. Francesco MASTROROSA</i>) | Integrated COTS Command/Control and constructive simulation applications; enhancing realism in augmented reality training exercises, increasing value for money and reducing time for deployment (<i>MASA - Speaker - Mr. Enrico RAUE</i>) |
| 12.00-12.30 | Workshop: Creation and delivery of training events (<i>Directorate of Land Synthetic Environments, Land Force Doctrine & Training Systems, CAN - Speakers - Dr. Charles OLIVIERO / Col (Ret.) David CHUPICK</i>) | VULCAIN demonstration: an automated multi level training highlighting common use of BML, MSDL and HLA standards (<i>General Directorate for Armament/ FRA MOD - Speaker - Dr. Jose RUIZ</i>) |
| 12.30-13.00 | Digital Preparation for ISAF (<i>Joint Multinational Simulation Center US A Europe – Speaker - Mr. Thomas LASCH</i>) | Joint C2 training environment (<i>IABG - Speaker - Dr. Karl Heinz NEUMANN</i>) |
| 13:00-14:00 | RESTAURANT AREA - LUNCH BREAK | |
| 14.00-17.00 | Social Events (Plenary): Catacombs of San Callisto Guided Tour | |



Wednesday September 26, 2012

| Wednesday September 26, 2012 | | |
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| | ROOM LEPTIS MAGNA II | ROOM LEPTIS MAGNA IV |
| 09.00-10.30 | Session 5 – Special Topics 2 - Chairperson: Lt. (N) Alessandro CIGNONI, NATO M&S COE | Session 6 – Challenges for Architecture design - Chairperson: Lt.Col. Stefano GIACOMOZZI, NATO M&S COE |
| 09.00-09.30 | Large Scale Crisis Management and Disaster Response Training, Exercises and Analysis (<i>Alion Science - Speaker - Mr. Harry THOMPSON</i>) | Education, Training, Exercises and Evaluation Reference Architecture (ETEE RA) (<i>NATO Communications and Information Agency/ NATO Joint Warfare Centre - Speakers - Mr. Jan VAN GEEST/ Prof. Erdal CAYIRCI</i>) |
| 09.30-10.00 | Development of Crisis Management for Disaster Response capabilities (<i>BGR MOD - Speaker - LTC Orlin NIKOLOV</i>) | Architecture: A tool to understand and improve CAX (<i>NATO Communications and Information Agency/ NATO NATO Joint Force Training Centre - Speakers - Mr. Aad HENDRIKS/ Mr. Tomasz ROGULA</i>) |
| 10.00-10.30 | Serious Games Using Applied Drama to Teach Crisis Communication (<i>Charles Sturt University Bathurst - Speaker - Prof. Terry BOSSOMEIER</i>) | A new approach in Computer Assisted Exercises (<i>Miltech Greece - Speaker - Mr. Kostas TSIKALOS</i>) |
| 10:30-11:00 | OPEN COFFEE AREA - COFFEE BREAK | |
| | ROOM LEPTIS MAGNA II | ROOM LEPTIS MAGNA IV |
| 11:00-12:30 | Session 7 – Data for simulation - Chairperson: Lt. (N) Alessandro CIGNONI, NATO M&S COE | Session 8 – Insight into Simulation & Training Centres- Chairpersons: Dr Ronald J. Roland (R&A) - Dr. Mike Cessford (CAE Canada) |
| 11.00-11.30 | Virtual worlds, social network technology and Interoperable XML and Query Languages to support CAX's in a civil - military environment (<i>Genoa University/ - Vastpark/ Data Constellation - Speaker - Dr. Marco BIAGINI/ Mr. Bruce JOY/ Mr. Clifford HEATH</i>) | ROU Simulation Training Centre Support to MIL-EDU - Col. Florin LAPUSNEANU, Chief, Simulation Training Center (ROU) CSFEE - Lt. Col. Laurent LESAGE, Centre de Simulation pour la Formation, l'Entraînement et l'Expérimentation (FRA) |
| 11.30-12.00 | Innovating in simulation architectures for the Naval Warfare Training & Simulation (<i>NADS - Speaker - Jose-Carlos DIAZ</i>) | Constructive Simulation Requirements for smaller Nations. The CAE Experience - Dr. Mike CESSFORD, (CAE Canada) |
| 12.00-12.30 | Results of MSG-086 on simulation interoperability and recommendations for a scenario development process (<i>Aditerna GmbH - Speaker - Mr. Robert SIEGFRIED</i>) | JTLS in Poland - Lt.Col. Z. PIOTROWSKI, War Games & Simulation Center (POL) Col. J. KNETKI, Chief, War Games & Simulation Center (POL) Col. Lubomir PEEV, Chief, J7 Joint Training (BGR) Lt.Col. Christopher VAUGHN, Environment Development Branch, Joint Coalition Warfighting, Joint Staff (USA) |
| 12:30-14:00 | RESTAURANT AREA - LUNCH BREAK | |



| | ROOM LEPTIS MAGNA II | ROOM LEPTIS MAGNA IV |
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| 14.00-15.30 | Session 9 - NATO Models: JTLS, JCATS, VBS2 - Chairperson: Lt. (N) Alessandro CIGNONI, NATO M&S COE | Session 10 - NATO Models: ITC FLAMES, JPECT, OneSAF - Chairperson: Lt.Col. Stefano GIACOMOZZI, NATO M&S COE |
| 14.00-14.30 | <i>JTLS (R&A - Speaker - Mrs. Ellen ROLAND)</i> | <i>JPECT (NATO Communications and Information Agency - Speaker - Mr. Robert PALADEAU)</i> |
| 14.30-15.00 | <i>JCATS (LLNL - Speaker - Mrs Lauri DOBBS)</i> | <i>ITC FLAMES (Ternion - Speaker - Mr. Mike CASH)</i> |
| 15.00-15.30 | <i>VBS2 (BISim - Speaker - Mr.Craig TURNER)</i> | <i>OneSAF (US Army OneSAF PD - Speaker - Lt.Col. Yolanda FRAZIER)</i> |
| 15:30-16:00 | OPEN COFFEE AREA - COFFEE BREAK | |
| | ROOM LEPTIS MAGNA II | ROOM LEPTIS MAGNA IV |
| 16.00-17.30 | Session 11 - NATO Federations: NATO Training Federation (NTF) - Chairperson: Lt. (N) Alessandro CIGNONI, NATO M&S COE | Session 12 - NATO Federations: NATO Live Virtual Constructive (NLVC) - Chairperson: Lt.Col. Stefano GIACOMOZZI, NATO M&S COE |
| 16.00-16.30 | <i>NATO Training Federation (NATO Joint Warfare Centre - Speaker - Prof. Erdal CAYIRCI)</i> | <i>NLVC DEMO (NATO Joint Force Training Centre - Speakers - Mr. Jacek SUMISLAWSKI/ Mr. Tomasz PANKAU)</i> |
| 16.30-17.00 | <i>SEESIM 12 NATO Training Federation (NATO ACT/ US JCW/ BGR MOD - Speakers - Lt.Col. James WHITE/ Mrs. Amy GROM/ Lt.Col. Orlin NIKOLOV)</i> | |
| 17.00-17.30 | Alignment of Data and Harmonization of Processes when building Federations in support of CAX (Old Dominion University - Speaker - Prof. Andreas TOLK) | NIAG SG 162 on Mission Training via Distributed Simulation (NIAG SG 162 - Mr. Jean Paul FAYE, Chairman) |
| | ROOM LEPTIS MAGNA IV | |
| 17.30-18.00 | Session: Special Joint Session WAMS/CAX Forum Chairperson: Prof. Agostino BRUZZONE (Genoa University) SMACKDOWN Demo | |



Thursday September 27, 2012

| ROOM LEPTIS MAGNA III | | ROOM LEPTIS MAGNA IV |
|------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09:00-10:30 | Poster Session & System Demonstrations | Session 13 - Simulation and Training - <i>Chairperson: Lt.Col. Stefano GIACOMOZZI (NATO M&S COE)</i> |
| 09.00-09.30 | Companies and Agencies | Missionland: a virtual continent for mission simulation (MSG-071 - <i>Speaker - Mr. Arian LEMMERS, Chairman</i>) |
| 09.30-10.00 | | Budget Based Wargaming (BBW) Decision Support Tool (DST) (R&A - <i>Speaker - Dr. Ronald J.ROLAND</i>) |
| 10.00-10.30 | | FINMECCANICA Simulation Network (SIMLABS) (Selex Eltag - <i>Speakers - Dr. Agatino MURSIA/ Dr. Roberto SPINA</i>) |
| 10:30-11:00 | OPEN COFFEE AREA - COFFEE BREAK | |
| ROOM LEPTIS MAGNA III | | ROOM LEPTIS MAGNA IV |
| 11:00-13:00 | Poster Session & System Demonstrations | Session 13 - Simulation and Training - <i>Chairperson: Lt.Col. Stefano GIACOMOZZI (NATO M&S COE)</i> |
| 11.00-11.30 | Companies and Agencies | Training and Educating the Adaptive Leader through Serious Games and Desktop Simulations (Alion Science - <i>Speaker - Mr. Harry THOMPSON</i>) |
| 11.30-12.00 | | NATO Communications and Information Agency recent experience during NATO and National exercises (NATO Communications and Information Agency - <i>Speaker - Mr. Serge POTIER</i>) |
| 12.00-12.30 | | DirectSim-SIT : train DirectSim and ITCS : the cornerstones of the General Directorate for Armament simulation policy (General Directorate for Armament-FRA MOD - <i>Speaker - Dr. Olivier DEFOUR</i>) |
| 12:30-13:00 | ROOM LEPTIS MAGNA IV | |
| | Closing Session - <i>Chairperson: Lt.Col. Stefano GIACOMOZZI (NATO M&S COE)</i> | |
| | WAMS NATO CAX Forum NATO M&S COE | |