

Day 0 28 September

08:00 17:00	Rooms & Exhibition setup
16:00 19:00	Event check-in
19:00 21:00	Icebreaker Ergife Palace Hotel & Conference Center

Orange Plenary Room

From Simulation to Action: Wargaming, Exercising, and Experimenting for Multi-Domain Advantage

08:00	Registration
09:00	Opening & welcome remarks Col De Rosa, M&S Centre of Excellence Director
9:30	Key leader panel: M&S for Multi-Domain Readiness Chairperson: TBC Speakers: BGen Zoltan Barany, DCOM JFTC Speaker 2 (TBC) Speaker 3 (TBC)
10:50	Group picture
11:05	Coffee Break & Exhibition

	Room I - Orange	Room II - Pola	Room III - Spalato
11:40	Training Humans and Machines Across Integrated Synthetic Environments: Data, Interoperability, and Autonomy Readiness Sebastien Loze SHIELD AI Abstract 7 Izzo	Co-Creating a European Training Facility in the NATO Simulation Ecosystem - Integrating Leopard 2A8 in TACTIS at SIMCEN-LAND Marcel Scherrenburg MoD (Netherlands) Abstract 9 Gotelli	A Survivability Assessment Method for Surface-to-Air Missile Threat Evasion Based on Probability-of-Kill Analysis Using a Wargaming Tool Younhyuck Chang, Seungeun Lee, Sewon Kim, Younggun Lee MOASOFT Abstract 6 Valeriani
12:20	Lunch Break & Exhibition		
13:40	EDF FEDERATES - Final Demo and Project Outcome Agatino Mursia, Michael Frohlich LEONARDO Abstract 31 Wojtowicz	Generating MDO Readiness Across the Human Domain: BEAR, Structural Violence and Non-Kinetic Remedy in the NATO Simulation Ecosystem Tiarnach Mooney BHA Advisors Abstract 20 Papanikolaou	Operationalizing Agentic AI in Trusted Engineering Workflows Massimiliano Campagnoli MATHWORKS Abstract 12 Kistemaker
14:15	DE3 Army Verse: A Persistent LVC Enabled Digital-Twin Ecosystem Beyond the Battlefield Marwane Bahbaz, Paul Butler, Tyler Sullivan and Rick Osborne MITRE Abstract 11 Izzo	AI-Assisted Information Environment Generation for Constructive Exercises, Wargaming, and ROC Drills Kalle Saastamoinen, Antti Nissinen Army (Finland) Abstract 22 Gotelli	Building the Next Generation of Modelling & Simulation: An International Network for Research, Innovation, and Collaboration Antonio Giovannetti ACT Abstract 71 Kistemaker
14:45	Coffee Break & Exhibition		

15:10	Generating NATO MDO Readiness through an Integrated Analysis, Wargaming, Innovation, Simulation and Experimentation Ecosystem Jan Hodicky <i>ACT</i> Abstract 24 Wojtowicz	Beyond the Simulation Effect: Assessing the Contradictions and Limitations of Wargaming for Warfighting Readiness. Zurab Bezhanishvili <i>International Community for Georgia Development and Progress</i> Abstract 25 Papanikolaou	VISTA: Advancing DEU-NLD VBS4 Interoperability for a NATO Simulation Ecosystem Lisanne Kleygrewe <i>Army Simulation Centre (Netherlands)</i> Abstract 19 Kistemaker
15:45	From Emerging Technology to MDO Readiness: NATO ACT's BEACON Projects and METIS George Cushman <i>ACT</i> Abstract 29 Izzo	Wargaming the Multi-Domain Warfare Complexity III. Joint Crucible: From Concept to Prototype Francesco Marradi <i>Italian Air Force Reserves</i> Abstract 27 Gotelli	Experimental Digital Twin Environments for NATO-Relevant Multi-Domain Defence Scenarios Diana Deca <i>Metapilot</i> Abstract 21 Valeriani
16:20	NATO Centralized Simulation Repository (CSR)-A Governed Common Dataset Capability for NATO Simulation Systems Ioannis Papanikolaou <i>JFTC</i> Abstract 34 Wojtowicz	Generating MDO Readiness through Stress-Tested Governance Wargaming: NATO STO SAS-219 WinterStorm2030 and the Auracelle Simulation Suite Grace-Alice Evans <i>NATO STO SAS-219</i> Abstract 30 Tropea	What NATO's Future Means for Nations Today Colin Chester <i>STE Antycip</i> Abstract 65 Valeriani
16:55	Interoperating Simulation and Command and Control Systems for Next Generation Targeting Experimentation Alberto De Paoli <i>ACT</i> Abstract 63 Barbera	NATO Multi-Domain Operations Readiness Ecosystem: Technology Enablers for Decision Superiority G. W Kent Davis <i>CALIAN</i> Abstract 70 Tropea	Lowering the Barrier to Advanced Simulation Analysis: Using Python Integration to Automate JCATS Analytical Runs Weston Benson, George Cushman, Stefano Izzo, Casey Wilson <i>US Army, ACT, SHAPE, LLNL</i> Abstract 39 Kistemaker
17:30	NATO Multi-Domain Operations Readiness Ecosystem: An Operational Commander's Perspective on Future Readiness Requirements Lt-Gen Sir Edward Smyth Osborne <i>CALIAN</i> Abstract 69 Barbera	Delivering Minimum Viable Assurance for Warfighting Readiness through Mission Engineering and Simulation-Based Experimentation: The MATX Discovery Study Kate Gregory <i>Frazer-Nash Consultancy</i> Abstract 41 Papanikolaou	Training for the Drone-Saturated Battlefield: Adaptive Modeling and Simulation for Space-Enabled Multi-Domain Operations Walter David <i>Climate & Security Consulting LLC</i> Abstract 40 Kistemaker

08:30	Plenary panel: Building a NATO M&S Ecosystem Chairperson: Tess Butler, Ruddy Nice Speakers: Dr. Robert Siegfried, CEO, Aditerna / Chair, NATO Distributed Synthetic Training COL George Cushman, Branch Head, Modelling and Simulation and Learning Technologies, NATO ACT Agatino Mursia, CIO/R&D Coordination/Simulation & Training, Leonardo SPA Victoria Cope, Digital Defence (TBC)
09:45	Coffee Break & Exhibition

	Room I - Orange	Room II - Pola	Room III - Spalato	Room IV - Meride
10:10	Artificial Intelligence as Enabler for Automated Modelling and Simulation: A Knowledge-Grounded Agentic Architecture for Generating Simulation-Ready Systems Antonio Giovannetti <i>ACT</i> Abstract 67 Izzo	TITLE (TBD) Josine van de Ven <i>NLD MoD IT Command</i> Abstract xx Papanikolaou	An Open-Source Combat Simulation Framework for Validation and Hypothesis Testing Experiments Renato Bellotti, Sacha Schär, Gian-Andrea Heinrich, Zenon Mathews <i>Swiss Armed Forces</i> Abstract 44 Marradi	
10:45	Establishing an M&S Ecosystem to Support Multi-Domain Operations (MDO) Wim Huiskamp, Robert Siegfried, Agatino Mursia, Mark Lewis, Chris McGroarty <i>LEONARDO</i> Abstract 33 Barbera	Beyond Realism: Toward a Relational Theory of Fidelity in Experiential Learning Boukje Kistemaker <i>King's College London</i> Abstract 47 Gotelli	A Probabilistic Simulation Framework for Long-Distance Campaigns Romain Chessex, Simon Egli, Zenon Mathews <i>Swiss Federal Department of Defence, Civil Protection and Sport</i> Abstract 45 Marradi	
11:20	Enhancing Distributed Simulation to C2 systems interoperability using NETN v4. Oscar Bergman <i>BAE Systems OneArc</i> Abstract 46 Izzo	TACSIM: AI-Enabled Wargaming for Multi-Domain Operations Readiness Kadir Temiz, Veysi Isler <i>Simsoft Technologies</i> Abstract 53 Papanikolaou	Graph Reinforcement Learning for Logistics Planning under Catastrophic Conditions and Adversarial Disruption Jonathan Cawalla, Marwin Gülhan, Lasse Ruttert, Hans-Christian Schmitz <i>Fraunhofer FKIE</i> Abstract 49 Valeriani	

11:55	AI-Driven Cognitive Modelling applied to Agent-vs-Agent Simulation for Decision Support in Defence Wargaming Diego Tornese, Annalisa Letizia, Gianluca Cerio, Gianluca Toscano <i>TEORESIS GROUP</i> Abstract 50 Izzo	Empowering Observers in Military Medical Exercises Through Timely, AI-Assisted Reporting: A Case Study from Vigorous Warrior 26 Biljana Presnall <i>Jefferson Institute</i> Abstract 55 Gotelli	TITLE (TBD) Dr Robert Siegfried <i>Aditerna Inc</i> Abstract xx Marradi	MSG 223 Dr. Jan Hodicky <i>ACT</i> Closed Workshop
12:30	AI-Enabled Digital Wargaming for Responsible Multi-Domain Decision Support in a NATO Simulation Ecosystem Stian Osmundsen, Luis Velazquez, Espen Askvik <i>LEVATO</i> Abstract 54 Barbera	Concept for a Multi-Resolution Geo-Strategic Simulation Sebastian Erasmus, Vardan Nazaretyan, Leon Becker, Falk Stefan Pappert and Oliver Rose <i>Universität der Bundeswehr München</i> Abstract 56 Papanikolaou	A Data-Driven Geospatial Testbed for Long-Range Maritime Cyber-Physical Experimentation Giacomo Longo, Enrico Russo, Alessio Merlo <i>School of Advanced Defense Studies</i> Abstract 57 Kistemaker	MSG 223 Dr. Jan Hodicky <i>ACT</i> Closed Workshop
13:10	Lunch Break & Exhibition			
14:30	Cultural Event (optional) Rendezvous (Ergife Hotel – Main Entrance)			
14:45	Cultural Event - Bus Departure (Ergife Hotel – Main Entrance)			

Day 3 01 October

08:30	Plenary panel: AI/ML Applications for NATO M&S Chairperson: Dr. Martin Wählich, Associate Professor, University of Birmingham Speakers: Seb Loze, Vice President of Market Innovation & Ecosystems, Shield AI COL Arnel David, Director, TF MAVEN Dr. Svitlana Volkova, Chief of AI, Office of Science and Technology, Aptima Inc Pablo Hermoso Moreno, Senior Solution Architect, NVIDIA
09:40	Coffee Break & Exhibition

	Room I - Orange	Room II - Pola	Room III - Spalato	Room IV - Meride
10:10	Digital Twin and XR-Based Adaptive Training Ecosystems for Mass Military Training Dr. Gergely Kovacs <i>VIKI – Defence Innovation Research Institute</i> Abstract 3 Wojtowicz	Simulation-Based Capacity Analysis for Strategic Medical Evacuation to Civilian Healthcare Systems Falk Stefan Pappert, Tobias Uhlig, Daniel Huber, Enrique Kremers <i>Universität der Bundeswehr München</i> Abstract 58 Gotelli	From Simulation Outputs to Explainable C4I Insights: Neuro-Symbolic Approaches for MDO Planning and Critical-Sector Resilience Michael Romei de Socio, Alessio Merlo <i>Università di Torino, Scuola Superiore Universitaria</i> Abstract 60 Marradi	ET Global Programing Dr. Jan Hodicky <i>ACT</i> Closed Workshop
10:45	Issues Running Analytical Wargaming Based on Simulation Systems Panagiotis Balaskas <i>JFTC</i> Abstract 8 Wojtowicz	The Evolution of JTLS-GO: Transforming Constructive Simulation to Drive NATO James Southern <i>Valkyrie Enterprises</i> Abstract 62 Tropea	PYRAMID: Enabling Interoperable Multi-Domain Operations Simulation for Wargaming Hajo Erwich, Emma Schippers, Abram Dekker, Thomas Bellucci, Koen Bezemer <i>Netherlands Aerospace Centre</i> Abstract 61 Marradi	ET Global Programing Dr. Jan Hodicky <i>ACT</i> Closed Workshop
11:20	NATO Modelling and Simulation Lessons Learned process through a M&S-Specific Taxonomy and AI-Enabled Knowledge Management Tom Lasch, Marco Gotelli, Jan Hodicky <i>ACT, Sim4Future, 4h4 Management GmbH</i> Abstract 26 Barbera	Doctrinal Framework of MDO and the Modelling of Engagement Spaces Ronald Pietrowsky, Hans-Christian Dr. Schmitz <i>Bundeswehr, Fraunhofer FKIE</i> Abstract 64 Tropea	Onebrief: Enabling Multi-Domain Operations Through Commercial Simulation Ecosystems COMPANY Molly Ellis <i>ONEBRIEF</i> Abstract 37 Valeriani	ET Global Programing Dr. Jan Hodicky <i>ACT</i> Closed Workshop

11:55	Proactive Agentic AI Evaluation for Mission Readiness: A Testbed for Allied Multi-Domain Wargaming and Training Svitlana Volkova, Summer Rebensky <i>Aptima, Inc.</i> Abstract 51 Wojtowicz	Practical application of M&S to support Decision Making Stefano Izzo and Errico De Gaetano <i>SHAPE</i> Abstract 73 Tropea	Educating and training agents: Introducing OPTIMA's Instructor and Bootcamp Antonio Cifonelli, Francesco Sponchiado and Armando Geller <i>SCENSEI</i> Abstract 66 Valeriani	
12:30	Lunch			
13:40	From wargame to decision advantage: using an AI-enabled MDO wargaming layer to improve readiness Angus Henderson, James Blair, Mike Adams <i>Vedetteconsulting</i> Abstract 32 Barbera	An Interoperable Data Foundation for Reliable Modelling, Simulation and Decision Support Razieh Pourhasan <i>Department of National Defence – Canada</i> Abstract 17 Tropea	From Simulation Tools to Simulation Teammates: Agentic AI Framework for Wargaming Synthetic Environments Alessandro Maraschini <i>ELTGroup</i> Abstract 68 Marradi	
14:15	NATO Standards and Tools for Federated Simulation Björn Löfstrand, Reinhard Herzog, Zeynep Cakir <i>4C STRATEGIES</i> Abstract 18 Barbera	Simulating Hybrid Warfare as an Operational Environment: A Wargame-Based Approach to Host-Nation Support and Resilience Under Grey-Zone Pressure Sönke Marahrens <i>Bundeswehr</i> Abstract 38 Tropea	Increasing Operational Readiness with Multidomain Modeling, Simulation, and Analytics at U.S. European Command LTC John Morris <i>U.S. Army EUCOM</i> Abstract 72 Marradi	
14:45	Break			
14:55	Final Plenary & Greetings			
15:30	Forum Closing			