

42nd International Symposium on Military Operational Research
National Oceanography Centre, 15th – 17 July 2025
Programme

Updated 07 July 2025

Content and timings subject to change up to the start of the symposium.

Time Item

MONDAY 14TH JULY 2025

1900 **Welcome Reception, a networking event with drinks and pizza provided**
Moxy Hotel, Southampton
Kindly sponsored by BAE Systems

TUESDAY 15TH JULY 2025

0830 – 0930 REGISTRATION

0930 – 1000	Welcome and Introduction Symposium Chair will welcome delegates and Programme Chair will introduce the ISMOR 42 Programme.	
1000 – 1100	Keynote by Brigadier (Ret'd) Austen Pearce , Dstl's Chief Force Development & Design <i>The Implications of the Changing Character of Conflict for Future Force Design</i>	

1100 – 1130 NETWORKING BREAK

1130 – 1135	Introduction to Presentation Session 1a Concept Development Andrews	Introduction to Presentation Session 1b Analytical Tool Development Aubrey
1135 – 1205	1a.1 Concept Analysis: Delivering Affordable and Resilient Effect Chung	1b.1 ERICA: Empowering Experts in CBR Site Decontamination Walker
1205 – 1235	1a.2 What's wrong with CD&E? An Evaluation of the Justification for Concept Development & Experimentation Frelin	1b.2 Capability Audit Tool Sharrock
1235 - 1305	1a.3 Technology Investment Appraisal into JMSC Young	1b.3 Outplace: Interactive Games for Complex EME Optimisation Butcher

1305 – 1400 LUNCH

1400 – 1530 **Workshop Session A**
Option to attend one of five workshops running in parallel.
(Delegate sign-up will take place during the morning break).

A1 Data Visualisation: Presenting your data in a way your customer will love | **BUNN & FRY** | Sirius Analysis

Time	Item
A2	Rapid Parallel Wargaming – An Alternative Approach to Analytical Gaming HOOD & BOLT Sirius Analysis
A3	Beyond Generation after Next military concept development GRIFFITHS Sagentia Defence
A4	Decision Superiority with Consilium™: Hands-On with AI-Driven Command & Control Systems EDMUNDS Espanaro
1530 – 1600	NETWORKING BREAK
1600 – 1700	Panel Force & Concept Development Chair Matt Bunn Catalyze Consulting Jan Frelin FOI (Swedish Defence Research Agency) Guy Griffiths Sagentia Defence Austen Pearce Dstl
1815 (bar open from 1730)	Informal Barbeque Dinner , with after dinner speaker from Alan Robinson (retired, formally Dstl) National Oceanographic Centre <i>Kindly sponsored by Catalyze Consulting</i>

WEDNESDAY 16TH JULY 2025

0830 – 0900 REGISTRATION

0900 – 0915	Welcome and Introduction Symposium Chair will welcome delegates and Programme Chair will introduce the ISMOR 42 Programme.	
0915 – 0920	Introduction to Presentation Session 2a AI in Defence Chapman	Introduction to Presentation Session 2b Simulation Hopkinson
0920 – 0950	2a.1 GenAI for Defence: Use Cases and Requirements Mongeau	2b.1 From Fuzzy to CRISP: A Data-Driven Framework for Defence Simulation Studies with CRISP-DM Tieu
0950 - 1020	2a.2 Robust Machine Learning for Naval Image Classification in the Blue Amazon Custódio Rangel	2b.2 From Grid to Ground: Unlocking NRMM Terrain Intelligence in ArcGIS Whipp & McAra
1020 - 1050	2a.3 Simulation Testbed Capability Stevens & Waggett	2b.3 Saving Lives with Simulation: Modeling Medical Support for Operations Grieve

1050 - 1115 NETWORKING BREAK

1115 – 1120	Introduction to Presentation Session 3a General OA (Stream 1) Andrews	Introduction to Presentation Session 3b General OA (Stream 2) Aubrey
1120 – 1150	3a.1 Analysis delivering diversity Gerard	3b.1 Conducting Operational Research at the early stages of technology development – the Bright Corvus approach Barlow
1150 - 1220	3a.2 Predicting Russian Tank Army doctrine from historical patterns of doctrine development Jaya-Ratnam	3b.2 Power and Mobility Optimisation in Multi-Agent Electronic Warfare Games Shaw

1220 – 1315 LUNCH

1315 – 1445	Workshop Session B Option to attend one of five workshops running in parallel. <i>(Delegate sign-up will take place during the morning break).</i>	
B1	Unpacking complex security agendas with systems mapping PARKER Schumacher Institute for Sustainable Systems	
B2	Rapid Parallel Wargaming – An Alternative Approach to Analytical Gaming HOOD & BOLT Sirius	
B3	Beyond Generation after Next military concept development GRIFFITHS Sagentia Defence	

B4	Agent Based Modelling – What is it and how can you use it Military OR? GOULD Roke
1445 – 1515	NETWORKING BREAK
1515 – 1600	MORS Eugene Visco Prize Winning Presentation The Evolution of the AI/ML Operations Research Professional Cruickshank
1600 – 1700	Panel AI and Model Development Chair Alex Sheen Catalyze Consulting Iain Cruickshank U.S. Special Operations Command Scott Mongeau Google Cloud Gabriel Custodio Rangel CASNAV - Brazilian Navy
1900	Symposium Dinner, with dinner served from 1930 Dancing Man Brewery <i>Kindly sponsored by Sagentia Defence</i>

THURSDAY 17TH JULY 2025

0830 – 0900 REGISTRATION

0900 – 0915	Welcome and Introduction Symposium Chair will welcome delegates and Programme Chair will introduce the ISMOR 42 Programme.	
0915 – 0930	OR Society Presentation Sarah Davis <i>Maximise your network with the OR Society</i>	
0930 – 0935	Introduction to Presentation Session 4a Wargaming Aubrey	Introduction to Presentation Session 4b Framework Development Hopkinson
0935 – 1005	4a.1 What can nuclear wargames tell us about escalation and nuclear deterrence? Sykes	4b.1 How can we develop ‘good’ indicators for evaluating the effect(s) of our activities? Perry
1005 – 1035	4a.2 Rapid Parallel Wargaming – An Alternative Approach to Analytical Gaming Halliday & Bolt	4b.2 The Key Attributes of an Ideal Complex Engineering Software Programme Kang
1035 – 1105	4a.3 Wargaming Operational Art: The design of the Generic Low Operational Wargame system Rougier	4b.3 The Analysis-Led Wargaming Framework Bennett
1105 – 1130	Networking Break	
1130 – 1135	Introduction to Presentation Session 5a General OA (Stream 3) Chapman	Introduction to Presentation Session 5b Logistics Andrews
1135 – 1205	5a.1 Managing scenarios in a complex modelling enterprise Thorpe	5b.1 SUSTAINing Fighting Power – A Method to Explore Tactical Logistics Lindsay
1205 – 1235	5a.2 Detecting the Undetectable - Silent Transmitters and the Dogs that Didn't Bark Magill	5b.2 Hybrid method for munition consumption estimation Richards & Gray
1235 – 1330	Lunch	
1330 – 1415	MORS Eugene Visco Prize Winning Presentation Deception as a Successful Deterrent of Aggressive Action: A Game Theoretical Approach to Wargaming Lander	

1415 – 1515	Panel Wargaming Chair Ben Taylor Colcestrian Consulting James Bennett BAE Systems Tom Halliday Sirius Analysis Sophia Lander University of Texas Dominic Rougier Dstl
1515 – 1545	Award Ceremony & Closing Remarks Presentation of awards for prize-winning ISMOR papers
1545	CLOSE