



# International Conference on Military Communication and Information Systems

The largest scientific conference on military CIS in Europe

Tuesday, 12 May 2026, APEX Conference Centre, Bath, United Kingdom

Time	Topic/Speaker		
09:00-09:15	Welcome remarks, Simon Baker and Frank T. Johnsen, ICMCIS Co-Chairs		
09:15-09:30	Reflection on the impact of ICMCIS in the NATO STO Information Systems Technology Panel, Antoine Smallegange		
09:30-10:30	Keynote: "Towards Smart Approach in Defence: Ukraine and the Transformation of the European Defence", Victoria Vdovychenko		
10:30-11:00	Coffee break, Atrium		
	Track 1: Intelligent Military Information Systems (Kingsmead room) <i>Session 1: AI for Decision Support</i>	Track 2: Military Communication and Networks (Lansdown room) <i>Session 1: 5G and beyond technology for defence</i>	Track 3: Cyber Security & Information Assurance (Walcott room) <i>Session 1: Post-quantum migration and identification</i>
11:00-11:30	Multi-Agent Architectures for Collaborative Decision Support in Civil-Military Operations: (2534)	Dynamic Spectrum Management – Future G Dual Use Perspective (7778)	Protecting the privacy of stealth devices in battlefield swarms (7381)
11:30-12:00	ARMOR 2025: A Military-Aligned Benchmark for Evaluating Large Language Model Safety Beyond Civilian Contexts (4280)	Hybrid Downsizing of Polar Codes (9217)	A Risk-Based Framework to Harvest Now Decrypt Later Threat for Military Intelligence in the Quantum Era (4184)
12:00-12:30	Decentralized Edge AI for Resilient C2 Systems: From NATO-Funded Prototype to Field Testbed (8320)	Comparison Between 5G IAB and WAB Backhaul Solutions based on the OpenAirInterface Framework (2883)	Scenario-Driven Evaluation of Post-Quantum Cryptography for Military Satellite Communications (7717)
12:30-13:30	Lunch break, Hotel restaurant		
	Track 1: Intelligent Military Information Systems (Kingsmead room) <i>Session 2: AI-Based Planning</i>	Track 2: Military Communication and Networks (Lansdown room) <i>Session 2: 5G and beyond technology for defence</i>	Track 3: Cyber Security & Information Assurance (Walcott room) <i>Session 2: Data-centric security and multi-domain operations</i>
13:30-14:00	Multi-Agent Reinforcement Learning for Complex and Dynamic Graph-Based Planning Problems (0392)	Seamless Integration of Tactical Radios into Multi-Access 5G Systems (5478)	Cross-Domain Hybrid Architecture (CDHA) for Interoperable Multi-Domain Operations (CDHCA) (1464)
14:00-14:30	Mixed-Initiative Current Operations Planning Support for the Navy (2881)	5G-NR Sidelink UE-to-Network Relay - From the Specifications to Laboratory Experimentation (4580)	Secure and Verifiable Inter-Organizational Data Sharing based on a Distributed Identity Management System (3476)
14:30-15:00	Zero-Shot Generalization in Combinatorial IoT Optimization using Hybrid GNN-DRL (7403)	Exploiting Random Access Preamble for Device Localization in 5G (5066)	Data-Centric Security from Attribute-Based Encryption (2621)
15:00-15:30	Coffee break, Atrium		
	Track 1: Intelligent Military Information Systems (Kingsmead room) <i>Session 3: Sensing and Target Detection</i>	Track 2: Military Communication and Networks (Lansdown room) <i>Session 3: Military IoT, drones and RF detection/classification</i>	Track 3: Cyber Security & Information Assurance (Walcott room) <i>Session 3: AI and response</i>
15:30-16:00	Enhancing Military Decision Support with Geospatial Target Acquisition Modeling (4822)	Design of a 5G Military IoT Network Demonstrator (2249)	Detecting and Eliminating Neural Network Backdoors Through Active Paths with Application to Intrusion Detection (3585)
16:00-16:30	Comparative Study of Out-of-the-Box Technology for Automatic Target Detection and Recognition (0507)	Lightweight Raw-IQ CNN for Real-Time RF-Based Drone Classification (3326)	AI Model Extraction Attacks: Bypassing Single-Client Assumptions in Defences (6968)
16:30-17:00	Acoustic UAV Detection in Battlefield Scenarios: Handling Noise, Domain Shift, and Weak Labels (3631)	Joint RF Drone Detection and Classification using Template-Based Signal Pattern Analysis (4152)	Inductive Graph-Based Multi-Agent Reinforcement Learning for Autonomous Cyber Defence (1915)
17:00-17:30	From Clean Labs to Noisy Skies: Towards Real-Time UAV Radio Frequency Classification in Real-World Scenarios (6292)	Real-Time Wideband RF Drone Detection via Bounded STFT Spectrograms (4327)	A Hybrid Optimisation Framework for Effective Mission-Aware Cyber Incident Response Planning (1749)
17:30	End of day 1		
19:00	Social event		

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Time	Topic/Speaker		
09:00-09:15	Welcome remarks, Simon Baker and Frank T. Johnsen, ICMCIS Co-Chairs		
09:15-10:15	Keynote: "Electromagnetic Warfare: Enhancing Full-Spectrum Superiority for Europe's Security", Colonel Pavlo Khazan, PhD		
10:15-10:30	Lighting talks		
10:30-11:00	Coffee break, Atrium		
	Track 1: Intelligent Military Information Systems (Kingsmead room) <i>Session 4: Tactical Information Systems</i>	Track 2: Military Communication and Networks (Lansdown room) <i>Session 4: Networks, communication and planning</i>	Track 3: Cyber Security & Information Assurance (Walcott room) <i>Session 4: Physics and physical world</i>
11:00-11:30	Voice Cloning-Enhanced Generative AI for Real-Time Tactical Communications (6041)	Measured communication range in spruce forest and estimated interception range at 60 GHz(5396)	Structured Adversarial Camouflage via Voronoi Diagrams (7578)
11:30-12:00	A Text-to-Speech Framework for Generating Synthetic Maritime Radio Communications in ASR Evaluation (6092)	MANET Awareness Model (1361)	Satellite Quantum Key Distribution for Military SATCOM: Architecture, Trust Models, and Orbit-Dependent Key-Rate Comparison (9061)
12:00-12:30	VisToMatch: Enabling Semantic Topic Matching for Visual Data on Federated Tactical Networks (4588)		Framing Informational Advantage in Robotic Multiagent Cyberphysical Security Using Quantum Reinforcement Learning (8522)
12:30-13:30	Lunch break, Hotel restaurant		
	Track 1: Intelligent Military Information Systems (Kingsmead room) <i>Session 5: Human-Centered Situational Awareness &amp; Information Operations</i>	Track 2: Military Communication and Networks (Lansdown room) <i>Session 5: Tactical networks</i>	Track 3: Cyber Security & Information Assurance (Walcott room) <i>Session 5: Cyber workshop</i>
13:30-14:00	An agentic operationalization of DISARM for FIMI investigation on Social Media (3423)	Delta AI Evaluation Architecture for Bandwidth-Optimized Data Fusion in Federated Tactical Networks (7106)	
14:00-14:30	Integration and Human-System Considerations for Augmented Reality in Military Land Platforms (8945)	Towards a resilient and low-tech tactical networking platform (5673)	Interactive cyber security and information assurance session with invited talks and
14:30-15:00	Actionable Insight: Building Robust Human-Machine Teams Through Contextual Understanding (invited talk)	Learning Linear Dependencies in Binary Data with Periodic Activation Functions (6277)	active discussion and participation from the audience
15:00-16:00	Poster session in the Atrium & Camden, with extended coffee break		
16:00-16:15	Awards Ceremony, Marek Amanowicz, ICMCIS Awards Committee Chair		
16:15-16:30	Closing remarks, Bob Madahar, Technical Evaluation Report (TER) Author		

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