

Electromagnetic Warfare Technology Conference Programme
Please note participation is restricted
TUESDAY 2 JUNE 2026

Updated: 14/04/26

0900 – 0955 **Registration and Coffee**
0955 – 1000 Conference Administration and Welcome, **Alessio Balleri**, *Cranfield University*

Keynote Session and Mission Survivability: Mark Elson/Nathan Khan

1000 – 1020 Keynote Address

1020 – 1040 RWR Capability and Future Rotary Wing Survivability
Andreas Yerassimou, *Dstl*

1040 – 1100 UKDAS Test and Evaluation Approaches
Matthew Parry, *Dstl*

1110 – 1130 EW Standards for the UK and NATO
Charlotte Vallily, *Dstl*

1130 – 1150 Adapting Electromagnetic Warfare Test and Evaluation to a Rapidly Expanding Threat and Capability Landscape
Wg Cdr Mark Longstaffe, *Ministry of Defence*

1150 – 1210 Plenary Discussion

1210 – 1300 **Lunch**

Pushing the Boundaries of Technology: Laurence Barker

1300 – 1325 Technology Challenges for Future RF Warning
Fraser McRoberts, *Leonardo*

1325– 1350 Skill & Technology Challenges in Sophisticated Electronic Attack on Advanced Communication Technologies
Dr Tim Wilkinson, *Babcock International Group*

1350 – 1415 Beyond Metal: Exploiting Plasma Antennas for Disruptive Wireless Innovation
Joseph Henderson, Nikhil Anthony, and Richard Claridge *PA Consulting*

1415 – 1440 Rydberg Atomic Sensing for Low Frequency ESM
Liam Bussey, *Leonardo*

1440 - 1515 **Afternoon Tea**

EW in Congested, Contested and Complex Environments:

1515– 1540 App-Based Enhancements to OpenCPI: Leveraging Open Standards for Operational Gains Beyond Maintainability and SWaP
Richard Rudd-Orthner, *Elbit Systems UK*

1540 – 1605 Smart STAR Jammer
Steve Wales, *Roke Manor Research*

1605 – 1630 Responding to Interleaved Signals in Complex Environments
Hamish Murray, *Mass Consultants*

1630 – 1700 Plenary Discussion

WEDNESDAY 3 JUNE 2026

- 0830 – 0900 **Coffee**
Exploiting AI and Algorithms to Make Sense of Complexity: Daniel Clarke
- 0900 – 0905 Conference Administration
0905 – 0930 Rapid Production and Exploitation of AI for Electronic Warfare Use Cases
Dr Peter Passaro, Babcock International Group
- 0930 – 0955 Multi-agent Reinforcement Learning for Cooperative EA
Dr Jack Smith, Awerian
- 0955 – 1020 Novel Deep Learning Techniques for Non-Cooperative Geolocation in Urban Environments
Aled Catherall and Chayapa Charoencholwanich, Cranfield University
- 1020 – 1050 **Morning Coffee**
- 1050 – 1115 AI/ML Approaches to Radar ES: Detection, Classification and Specific Emitter Identification
Ryan White, Dstl
- 1115 – 1135 ARES-EW: AI-enabled Versatile and Adaptive EW
Chris Parry, Bashar Ahmad, Finn Goodall, Joel Pearson, Jake Westwood, BAE Systems
- 1135 – 1200 Modern Naval Warfare in an Age of Late Generation Precision Strike – EW Implications
Lt Cdr Kit Perry, Kings College London
- 1200 – 1230 Plenary Discussion
- 1230 – 1330 **Lunch**
- EW in Congested, Contested and Complex Environments: Neil Clelland**
- 1330 – 1355 SAR Image Jamming Using a Metasurface
Dan Andre, Cranfield University and Graham Roberts, PA Consulting
- 1355 – 1420 The Work of the NATO STO SCI-368 Research Task Group to Demonstrate Collaborative EA Against a Netted Radar System
Graham Durrant, Thales
- 1420 – 1445 The Importance of Radar Cross Section Prediction for Future High Angle Threats (Development of *RCSR*ay for Future Surface Combatants).
Jill Savva and Kirrie Wallace, BAE Systems
- 1445 – 1515 **Afternoon Tea**
- 1515 – 1540 Threat Neutralization using Targeted Low-Power Waveforms
Dan Credgington, Awerian
- 1540 – 1605 Electronic Warfare in the Age of Attrition: Rediscovering Old Lessons in a Low-Cost Battlespace
Daniel Clarke, Cranfield University
- 1605 – 1630 A Modular EW Payload for Autonomous Collaborative Platforms
Peter Doig, Plextek
- 1630 - 1700 Plenary Discussion
- 1700 Pre-Dinner brief
- 1930 Evening Function - BBQ at Blunsdon House Hotel

THURSDAY 4 JUNE 2026

- 0830 – 0900 **Coffee**
Multi-domain EW Delivery in a Complex World: Mark Neasham
- 0900 – 0925 Perspective From Practitioners: The JEWOSC Case Study
Andre Lessard, JEWOSC and Colin Bruce, CGI
- 0925 – 0950 Democratising Electromagnetic Deception: Scalable RF Effects for Mission Survivability
Dec Rogers, Rowden
- 0950 – 1015 Unmanned EW Capabilities: Achieving a High-low Mix with Tactical Sensors
Speaker tbc, CRFS
- 1015 – 1045 **Coffee**
- 1045 – 1110 Electromagnetic Operations for Autonomous Collaborative Platforms: Mission-Loadable Elements and Cognitive EM Battle Management
Paul Holmes, Leonardo
- 1110 – 1135 Communications Electromagnetic Surveillance for Battle Damage Assessment and Targeting
Simon Angove, Dstl
- 1135 – 1200 Implementing EW Weapon Systems
James Bate, MBDA
- 1200 – 1255 **Lunch**
- 1255 – 1320 Multi-spectral, All-domain Modelling and Simulation RF Testbed for Adversarial Scenario Evaluation
Eddie Rodriguez, Keysight Technologies
- 1320 – 1400 Plenary Discussion
- 1400 Closing Address and depart