

32 ISMOR PROGRAMME

TUESDAY 21ST JULY 2015

08.30-09.30 Registration in Moore Building

09.30 Welcome by Peter Starkey, ISMOR Chair

09.45 Keynote address by Air Marshal Philip Osborn CBE RAF, Chief of Defence Intelligence.

10.30 Refreshments

Operations

11.00 Russian next generation/hybrid warfare study: using Crimea to assess the vulnerability of the Baltic states. W. Sam Lauber, National Security Analysis Department, Johns Hopkins University Applied Physics Laboratory, USA.

11.30 Support to operations assessment in the 1 German/Netherlands Corps. Joachim Reitan, Norwegian Defence Research Establishment.

12.00 Front Line OA training for an uncertain future. Hannah Locke, Dstl, UK.

12.30 Discussion

12.45 Lunch in Moore Building

13.30 From Afghanistan to Africa: modelling bed requirements for healthcare workers in Sierra Leone. Jordan Low, Charlotte F Vallily and Samantha Rose, Dstl, UK.

14.00 The representation of stabilisation operations at the tactical level. Colin Mason and Noel Corrigan, CORDA, UK.

14.30 Discussion

14.45 Refreshments

Planning

15.15 Force mix analysis in the context of the Canadian Armed Forces. Michel Couillard, Lise Arseneau, Cheryl Eisler and Ben Taylor. Centre for Operational Research and Analysis, Defence Research and Development Canada.

15.45 A novel analysis approach to assess the personnel requirement for the UK national energetics capability. Martin Parr, Dstl, UK.

16.15 Wargaming to support strategic planning. Murray Dixson, Michel Couillard, Thierry Gongora, and Paul Massel. Centre for Operational Research and Analysis, Defence Research and Development Canada.

16.45 Discussion

19.30 BBQ Dinner in Crosslands and South Quad, Founder's Building. Cash bar

Informal evening session (in Crosslands)

21.00 Russian aviation activity around the globe. Dr David Sloggett, Visiting Research Fellow, Mathematical Institute, University of Oxford, UK.

WEDNESDAY 22ND JULY 2015

Today there will be parallel sessions of workshops, tutorials and presentations

08.30 Registration and refreshments for those attending only today (Moore Building)

Presentations	Workshops		
09.00 Comparing observation satellite constellations - a novel approach using binary integer programming. Oria Abrass, Israel	09.00 Aristotle and Alexander: why complex thinking in military leadership is no bad thing. An interactive conflict resolution workshop. Dr Deborah Goodwin, RMA Sandhurst.	09.00 Wargaming interactive demonstration. Alistair Morley, MBDA, UK.	09.00 Kestrel's Hover wargame demonstration. Mike Young, Dstl, UK.
09.30 Modelling & Simulation Use Risk identification and management. Simone Youngblood, Johns Hopkins University Applied Physics Laboratory, USA.			
10.00 ACT experimentation support to NATO operation logistic chain management. Maj Renato Luigi Marzo, NATO ACT Operational Analysis Branch.			
10.30 Refreshments			
11.00 Anatomy of an insurgency. Dr David Sloggett, Visiting Research Fellow, Mathematical Institute, University of Oxford, UK.	11.00 Effective data visualisation techniques (tutorial and discussion). Hannah Locke, Dstl, UK.	11.00 Wargaming interactive demonstration. Alistair Morley, MBDA, UK.	11.00 Kestrel's Hover wargame demonstration. Mike Young, Dstl, UK.
12.00 Afghan National Police Security Forces Assistance: understanding and reporting the truth to commanders. Richard M Devonshire, Dstl, UK.			

12.30 Towards a Theory of Joint – a lesson in going back to basics. Donald Lowe and Tim McKay, Defence Science and Technology Organisation, Australia.	12.30 Wargaming seminar and discussion. Alistair Morley, MBDA UK		
13.00 lunch and poster session			
14.30 Learning the wrong lessons? Naval operational research during a long peace. Paul J. Adam, Cassandra Defence Consulting Ltd, UK	14.30 Human Environment Analysis Reasoning Tool. Phil Jones, Dstl, UK.	14.30 Wargaming interactive demonstration. Alistair Morley, MBDA, UK.	14.30 Kestrel's Hover wargame demonstration. Mike Young, Dstl, UK.
15.30 refreshments			
16.00 Conceptualising joint doctrine as a capability system using a Soft Systems Methodology approach. Jeff Malone, Defence Science and Technology Organisation, Australia.	16.00 Wargaming seminar and discussion. Alistair Morley, MBDA UK		16.00 Case studies for the new Aqua Book guidance on analytical quality assurance. Dr Craig Smith, MBDA UK and Nick Harris, Dstl, UK.
16.30 Making it STARC! Proposed future ways forward for contemporary military and special operations intelligence and knowledge work. Dr Adam D.M. Svendsen, Copenhagen Institute for Futures Studies, Denmark.			
17.00 Close of workshop session			

Optional afternoon visit to Windsor.

Details to be available at the symposium.

Poster session presenters

Support to the UK Ministry of Defence's New Employment Model (NEM). Ed Aubrey, CODA, UK.

Non-compliant boarding operations: potential for non-lethal weapons employment. Dr Peter Dobias, Cheryl Eisler, DRDC, and LCdr W. Lund, Canadian Fleet Pacific.

Value for money from wicked problems. Jonathan Hodges, Dr Philippa Hiscock, Michael Bagg, Roke Manor Research Ltd, Alyck Spraggins and Carl Dalton, Polaris Consulting Ltd, UK.

The GAMOV modelling framework. Nick Bell, Dstl, UK.

Course loading optimisation. Cheryl Eisler, Dr Peter Dobias and Owen Lu, DRDC, Canada.

Integrated survivability approach to large aircraft operational risk. David Gatland, Dstl, UK.

Options assessment for agile people. Tony Fryer, Actica Consulting Ltd, UK.

Project delivery – a scrutiny perspective. Phil Sayer, Ministry Of Defence, UK.

19.30 Dinner in Crosslands and South Quad, Founder's Building. Cash bar.

THURSDAY 23RD JULY 2015

Acquisition

09.00 Assessing the relationship between operational performance and affordability throughout the life cycle. Tom Collipi, Northrop Grumman Aerospace Systems, USA.

09.30 Assessing the resilience of the UK MOD supply chain. Jay Edwards, CORDA, UK.

10.00 Delivering things right AND delivering the right things: a P3M approach to balance of investment decisions. David Starling, Actica Consulting Ltd, UK.

10.30 Discussion

10.45 Refreshments

11.15 Management information toolset to support evidence-based decisions for defence evaluation capabilities. Mark Hunaban, QinetiQ Ltd, UK.

11.45 Morphological analysis of defence procurement. Dr Philippa Hiscock, Jonathan Hodges and Michael Bagg, Roke Manor Research Ltd, UK.

12.15 A Defence Standards decision support tool: a Bayesian belief network approach. Tom Baldwin, Polaris Consulting Ltd and Dr Matthew Revie, University of Strathclyde, UK.

12.45 Discussion

13.00 Lunch in Moore Building

Systems

13.45 Modelling environmental effects on radar detection. Kyle Kliwer, Lockheed Martin, USA.

14.15 Suppression and the efficiency of infantry soldiers. Dr Eylam Gofer, Ben Levav and Yohay Gerafy, Rafael, Israel.

14.45 The Joint Intelligence Model – quantitative and qualitative insights for the intelligence enterprise. Richard Adrian-Harris, Dstl, UK.

15.15 Refreshments

15.45 Analysing the impact of a cyber attack using economic value chains, Dr Andrew Barwell, QinetiQ Ltd, UK.

16.15 Human behavior nearby an explosion – characterization for military use. Philip Tannor, Israel.

16.45 Discussion

19.00 Drinks Reception, kindly sponsored by CORDA (outside Picture Gallery, Founder's Building)

19.45 Symposium Dinner including the Professor Ronnie Shephard Memorial Address by Dr Frances Saunders CB FREng (in Picture Gallery)

Cash bar open in Crosslands after the dinner.

FRIDAY 24TH JULY 2015

Systems

09.00 Capturing the technology risks of advanced weapon system projects. John Moore, QinetiQ Ltd, UK.

09.30 IPATCH: Collection and fusion of maritime piracy data. Tom Cane, BMT Group Ltd, UK.

10.00 Use of fractal-based approaches in the assessment of the recognized Canadian maritime picture. Dr Peter Dobias, S. Horn, M.J. Liu, Cheryl Eisler and K. Sprague, Centre for Operational Research and Analysis, Defence Research and Development Canada.

10.30 Discussion

10.45 Refreshments

11.15 Operational analysis at Combined Maritime Forces. William Wardrop, Dstl and Maritime Warfare Centre, UK and Matt Macleod, DRDC, Canada.

Closing session

11.45 32 ISMOR: themes and trends. Dr Tony Sinden, Decision Analysis Services Ltd, UK.

12.15 Awards for best poster and best paper

12.30 Lunch in Moore Building

Symposium ends after lunch

Breakfast will be in the Founder's Dining Hall, Founder's Building, above the reception, from 07.30 to 08.30. Lunch will be in the Moore Building. Dinner will be in Crosslands (Tuesday and Wednesday) or the Picture Gallery (Thursday), Founder's Building.

Morning and afternoon refreshments will be in the Moore Building.

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