

## **30 ISMOR PROGRAMME**

### **MONDAY 29 JULY**

- 15.00 – 18.00 Registration in Moore Building  
Check in to accommodation at the Hub
- 18.00 – 19.00 Welcoming drink in Moore Building
- 19.00 DINNER in Founder's Dining Room

### **TUESDAY 30 JULY**

- 07.00 BREAKFAST  
-08.30
- 08.30 Late Registration in Moore Building (accommodation available after 14.00)  
-09.30
- 09.30 Welcome by Peter Starkey, ISMOR Chair
- 09.45 Keynote address by Tony O'Connor CBE, Chair of the Government  
Operational Research Service
- 10.15 REFRESHMENTS
- COSTS AND AFFORDABILITY**
- 10.45 A macro-economic approach to understand the affordability of a nation's  
defence budget. Dr David Exelby, Decision Analysis Services Ltd, UK.
- 11.15 Understanding the true cost of delaying MOD major programmes. Chris  
Watson, CORDA, UK
- 11.45 Rapid COEIA for complex decision-making. Andrew Hodges, Arke Ltd, UK.
- 12.15 Discussion
- 12.30 LUNCH
- APPLICATIONS OF ANALYSIS TO HOMELAND AND CYBER  
SECURITY**
- 13.30 Assessing the benefits and risks of investment in cyber defence capabilities: a  
UK MOD analysis approach. Dr Colin Mooney and Victoria Flatman, Dstl,  
UK.

- 14.00 Identifying cyber defence challenges in acquisition: a soft systems approach. Andrew Beard, Dstl, UK.
- 14.30 Including cyber defence in the high-level analysis process. Colin Irwin, Dstl, UK.
- 15.00 Behavioural and social indicators of potential violent acts: implications from a review of the science base. Walt Perry, RAND, USA.
- 15.30 Discussion
- 15.45 REFRESHMENTS
- FORCE PLANNING (first session)**
- 16.15 Defence - planning for the future. Alan Shoolbread, MOD, UK.
- 16.45 Analysis for whole-of-force design and planning. Anthony Ween, DSTO, Australia
- 17.15 Discussion
- 19.00 BBQ DINNER (Crossland Suite and Quad, Founder's Building)
- Cash bar
- INFORMAL EVENING PRESENTATION (in Moore Building)**
- 21.00 Lessons from the Soviet Transition in Afghanistan. Andrzej Frank, Head of Operational Analysis Branch, Allied Rapid Reaction Corps.

## WEDNESDAY 31 JULY

07.00 BREAKFAST  
-08.30

**08.30 Registration for those attending only today (in Moore Building)**

<b>SUPPORT TO OPERATIONS AND CONFLICT PREVENTION</b>	<b>WORKSHOPS AND TUTORIALS</b>	
08.30 Assessment in support of operations: correlating opinion polling with battle logs. Elin Marthinussen, FFI, Norway	08.45 Manual wargaming. Jeremy Smith, Cranfield University, UK.	08.45 An Introduction to Architecture Frameworks. Jenny Young, MBDA, UK.
09.00 Afghan perceptions of ISAF – difficult questions. Dr D F Mikulskis, Land Warfare Development Centre, F D Butcher and A J Cooper, Dstl, UK		
09.30 Re-examining the surge: what SIGACT tells us. Dr Anton Minkov, DRDC, Canada.		
10.00 Collective Analysis of Air Lessons. Stephen Redmond, RAF HQ Air Command, UK		
10.30 REFRESHMENTS		
<b>WORKSHOPS AND TUTORIALS</b>		
11.00 Analytics in defence. Noel Corrigan, CORDA, and Alan Robinson, Dstl, UK.	11.00 An Anatomy of an Insurgency: Case Study Pakistan. Dr David Sloggett, UK.	11.00 Representing religious and cultural influences in analysis. Heather Serjeant, Analysis Essentials, UK.
<b>12.00 POSTER SESSION</b> <b>Buffet lunch available from 12.30 in Moore Building</b>		
<b>WORKSHOPS AND TUTORIALS</b>		
14.00 An Anatomy of an Insurgency: Case Study Pakistan. Dr David Sloggett, UK.	14.00 Representing religious and cultural influences in analysis. Heather Serjeant, Analysis Essentials, UK.	14.00-16.30 An Introduction to Architecture Frameworks. Jenny Young, MBDA, UK.
15.00 REFRESHMENTS		
15.30- 17.00 Manual wargaming. Jeremy Smith, Cranfield University, UK.	15.30-16.30 Analytics in defence. Noel Corrigan, CORDA, and Alan Robinson, Dstl, UK.	Break mid-way for refreshments.

**OPTIONAL AFTERNOON VISIT TO WINDSOR (in parallel to workshops)**  
**Coach leaves from Bus Stop by Tennis Courts at 13.30**

**OPTIONAL AFTERNOON GOLF (in parallel to workshops)**  
**Please contact Prof Dave Davis ([ddavis@gmu.edu](mailto:ddavis@gmu.edu))**

19.30 DINNER

## **THURSDAY 1 AUGUST**

07.00        BREAKFAST  
-08.30

### **30TH ANNIVERSARY RETROSPECTIVE**

09.00        Review of developments in military analysis in the past 30 years and future challenges. Dr Roger Forder, UK, and Eugene Visco, USA.

### **SYSTEMS AND CAPABILITY**

10.00        Land forces decision support: a renaissance for historical analysis. Paul Syms, Dstl, UK.

10.30        REFRESHMENTS

11.00        Utility-based methods for acquisition decisions. John Moore, QinetiQ, UK.

11.30        Capability Based Operational Analysis: URBAN WARRIOR 5. Dr N Paling, Dr P Spencer, Dr N Stanbridge, Dstl, UK.

12.00        Modelling and analysis of defence lines of development using fuzzy causal maps with a practical example. Pawel Zdanowicz, Coventry University, UK.

12.30        Discussion

12.45        LUNCH

13.45        On infantry vulnerability. Ben Levav, Rafael, Israel.

14.15        Foot marches and the infantry weight load – a physiological-mathematical model. Dr Eylam Gofer, Rafael, Israel.

14.45        Non-lethal warfare: feedback from 29 ISMOR workshop and NATO study. Dr Martin Hubbard and Lt Col Alan Roland-Price, Dstl.

15.15        Assessing recognition capabilities of multi-target imaging system. Capt Rani Horev, MOD, Israel

15.45        Discussion

16.00        REFRESHMENTS

16.30        Understand this for me. David Upton, Stirling Reid Ltd, UK

17.00        Fast, free and fun. Lightweight simulation modelling with Python. John Salt, UK.

19.15           **RECEPTION IN PICTURE GALLERY, FOUNDER’S BUILDING  
including gallery talk  
Reception kindly sponsored by CODA**

20.00           **SYMPOSIUM DINNER** (Picture Gallery)

**Ronnie Shephard Memorial Address by Prof Lyn Thomas, Professor of  
Management Science, Southampton University.**

Cash bar open after the dinner.

## **FRIDAY 2 AUGUST**

07.00           BREAKFAST  
-08.30

**FORCE PLANNING** (second session)

09.00           Criticality Analysis Technique for Development of Concept Guidance  
Dr Nitin Thakur, Dr Thitima Pitinanondha and Lt Col Alistair Dickie, DSTO,  
Australia, presented by Anthony Ween, DSTO.

09.30           Anglo-French Portfolio Analysis. Dr Craig Smith, MBDA, UK.

10.00           A UK perspective on campaign level constructive simulation. Simon  
Collander-Brown, Dstl, UK.

10.30           REFRESHMENTS

11.00           Army 2040 seminar. Bruce Chapman, DRDC, Canada

11.30           Still agile? The conflict space 5 years on. John Medhurst, Larrainzar  
Consulting, UK.

12.00           Closing Address

12.30           LUNCH

## **DEPART AFTER LUNCH**

Unless otherwise stated, all meals will be in the Founder’s Dining Room, on the first floor of the Founder’s Building, above the reception. Access is by stairs or lift.

Morning and afternoon refreshments will be in the Moore Building.