

Analyzing the Impact of Emerging Societies on National Security

14 – 18 April 2008

Argonne National Laboratory

AGENDA (Tentative)

Monday, 14 April 2008

Registration **1330 - 1700**

Optional Tutorial 1 – Agent-Based Modeling Overview, Room TBD **1330 – 1700**

Agent-based modeling and simulation (ABMS) is a recent approach to modeling systems comprised of interacting autonomous agents. ABMS is an attractive technique because it lends itself to modeling the dynamics of social interactions and cultural processes. The ABMS approach is finding widespread application in many defense-related areas including net-centric warfare, combat, command and control, logistics, and DIMES-PMESII. This tutorial describes the foundations of ABMS, identifies software toolkits and methods focusing on Repast and describes approaches for developing agent models, from spreadsheets to enterprise-scale computer systems. The relationship between ABMS and traditional modeling techniques is also covered.

Optional Tutorial 2 – “Social Science 101”, Room TBD **1300 – 1700**

The tutorial is constructed around four topics that will be presented by Argonne staff.

- Overview of the Social Sciences and their Interrelations (Dr. Tom Baldwin)
- Practical Consequences of Social Factors (Mr. Matthew Berry)
- Modeling Social Domains (Dr. Jonathan Ozik)
- A Theoretical View of Social Dynamics (Dr. David Sallach)

Tuesday, 15 April 2008

Registration **0700 – 0830**

Call to Order and Plenary Session **0830 - 1000**

Call to-order – Jack Keanne, MORS President

Host Welcome - Dr. Robert Rosner, Director, Argonne National Laboratory

Sponsor’s Welcome - TBD

Keynote Address - Mr. Alan King, “Iraq: Past, Present, and the Future”

Administrative Announcements - Dr. John Hummel

Break **1000 – 1030**

Keynote Address, “Trends and Shocks”, CDR Thomas Brasek, OSD Policy **1030 – 1200**

Lunch **1200 – 1300**

Working Group Breakout Sessions **1300 - 1700**

Wednesday, 16 April 2008

Working Group Breakout Sessions **0830 – 1200**

Lunch **1200 – 1300**

Working Group Breakout Sessions **1300 - 1700**

Thursday, 17 April 2008

Working Group Breakout Sessions **0830 – 1200**

Lunch **1200 - 1300**

Synthesis Session **1300 - 1700**

Friday, 18 April 2008 (WG Chairs and Meeting Leadership Only)