Cognitive Aspects of Decision Making
Research Workshop
22-24 September 2008, Washington DC
Crystal City Hilton

Presentations

Linkov: Scientific Background, Goals, and Workshop Overview

1. Needs and Desired Directions

Alberts: Collective C2 in a Network Centric Environment
Ritchie: Psychological Effects of the Long War: To the Battlefield and Back Again
Bridges: Civil Works: Perceptions, Values, and Decisions
Ross: Improving Public Reaction to Emergencies with Information and Improved Communication
Lemyre: Integration of Psycho-Social Aspects into Risk Assessment & Management and Decision – Making in a Population Health Approach

2. Cognition and Decision Making

Gold: Mechanisms of learning a perceptual decision
Braithwaite: Research from Non-primate Animals
Wang: Evolutionary, ecological and social rationality of decision making under risk

3. Concepts, Methods and Tools

Veinott: Ill-Defined Goals: Implications for Planning and Decision Making
Bonnano: Loss, Trauma, and Human Resilience
Silverman: Soci-cognitive agents for DIME-PMESII games"
Perlovsky: Cognitive Algorithms: Concepts, Emotions, Cultures

4. Opportunities and the Future for Simple, Robust Tools of Decision Making

Ginzburg: Dealing with Uncertainty: Cognitive Aspects
Butte and Mukherjee: Mental Modeling
Lambert: Multi-criteria Decision Analysis
Anderson/Goodwin: Agent-based Modeling: Modeling between reflex and cognition