

# 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