

Attend the
DRDC Toronto Workshop on Microworlds for Research on Dynamic Decision Making

17-18 October 2007
 Defence R&D Canada – Toronto
 Toronto, Ontario

Dynamic Decision Making (DDM) involves taking sequences of interrelated decisions over time in order to influence or achieve control of a complex situation. DDM is the cognitive process that underlies decision making in command-and-control (C²) and other complex, dynamic settings.

Meet academic and defence researchers working on understanding and improving DDM by using microworld simulations (high-level strategy type simulations). Attend talks on current research on DDM. Participate in discussions on critical issues on research in DDM and microworlds. Discussion will include applications to C² in defence and security environments and on how microworld-based training could enhance existing training.

Speakers:

Cleotilde Gonzalez
 (Carnegie Mellon U.)

Microworlds and behavioral decision Research

Rego Granlund
 (Rationella Datortjänster HB, Sweden)

10 Years with the C3Fire Microworld

Jerzy Jarmasz
 (DRDC Toronto)

Microworlds for accelerated training in decision making

Marie-Eve Jobidon
 (DRDC Toronto)

Assessment of coordination efficacy in C2 teams: Combining microworld and experimental cognitive psychology

Daniel Lafond
 (U. Laval)

Metrics for Assessing Support of Cognition in Command and Control (MASC3): Developing a simulated-combat control system as a testbed

Sébastien Tremblay
 (U. Laval)

Using a microworld to study how individuals and teams deal with complexity

Sample discussion topics:

- What cognitive skills underlie DDM and what aspects should training focus on?
- What kinds of decision environments (e.g., command-and-control, mission planning) could benefit from microworlds-based training and how should they be modeled?
- How can team decision making and team training issues be integrated into microworlds-based DDM research?

Contact Jerzy Jarmasz (jerzy.jarmasz@drdc-rddc.gc.ca; 416-635-2000 x3081).

Registration deadline: 8 October 2007. (Registration will be limited to the first 40 applicants.)

www.toronto.drdc-rddc.gc.ca