

Call for Papers
Invited Session on
"Command and Control (C2) and Situation Awareness - Reasoning in
Intelligent Agents"

http://web.comlab.ox.ac.uk/oucl/conferences/kes2003/Invited_Sessions.html

KES-2003
7th International Conference on
Knowledge-Based Intelligent Information & Engineering Systems
3,4 & 5 September 2003, St Anne's College, University of Oxford, U.K.
www.bton.ac.uk/kes/kes2003/

Knowledge representation and acquisition is important to intelligent agent design and building. In the past decade, many discussions have been addressing on issues such as how this can be done effectively for applications in medicine, military and aviation. This session focuses on the methodology and techniques for knowledge representation & capture and intelligent agent framework architecture for Command and Control (C2) and situation awareness with the hope to incorporate human like behaviours.

Specific topics of interest includes but not limited to:

- Multi-Agent frameworks and infrastructure
- Knowledge representation
- Team and collaboration in multi-agent frameworks
- Architecture issues in agent designs
- Logistics, tactics, courses of action in agent reasoning
- Heuristics in agents
- Machine learning
- Human-Machine interface and teaming
- Cognitive modelling in agents
- Modelling of decision-making, command and control (C2) and/or situation awareness
- Incorporating human like decision-making in agent framework
- Knowledge representation and management
- Spatial & temporal reasoning
- Knowledge acquisition methodology

Deadlines

Receipt of papers by Session Chair : **February 1, 2003**
Notification of acceptance : **March 1, 2003**
Camera-ready papers to session chair by : **April 1, 2003**

(Session Chair must send final camera-ready papers to reach to KES Secretariat by 1 May 2003 or they will not appear in the proceedings).

Session Chairs:

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