The Helpful Environment

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Co-OPR: Collaborative **Personnel Recovery Training**

 Using an I-X application to support personnel recovery centres in training mode

DARPA

- Support for four phases:
 - Setting up the multiple rescue coordination centres
 - · Distributing and maintaining the status of resources
 - Dealing with isolated personnel or rescue incidents
 - · Preparing a shift handover briefing
- Technological enhancements:
 - · Import tool gives access to existing SOP resources
 - I-Sim tool for simulating training exercises
 - · Improved interfaces and customised state viewers
- Evaluation:
 - Series of experiments involving USJFCOM and US Personnel **Recovery Education & Training Center**

http://www.aiai.ed.ac.uk/project/co-opr/

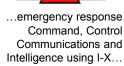
I-X: Intelligent Systems for I-X **Emergency Response**

- I-X Technology
 - "I" = {intelligent, intelligible, issue-based, integrated}
 - "X" is the particular tool or application
- I-X is a framework for creating intelligent multi-agent systems for collaborative tasks
 - Agents can be humans, robots and computer services
 - I-X tool suite provides basic human interface tools
 - · All agents adopt a task-centric view of the current situation
- <I-N-C-A> constraint model provides common 'language' for communicating and dealing with elements of the task
- I-X approach based on 30 years of Al planning research and experience
- Application focus on complex and large-scale emergency response situations



http://www.aiai.ed.ac.uk/project/ix/







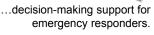


...dynamic selection and modification of simulation models to fit emergency...

...allocation and scheduling of High Performance Computing resources on the Grid...



... 'super real-time' simulation of fire spread, egress, building integrity...



http://firegrid.org

