Abstract

Over the last decade applications of agent based system has increased rapidly because agents have number of abilities such as act, sense and reason according to situation. Intelligent agent perceives its environment and takes actions to maximize its chances of success. In this paper UML (unified modeling language) has been used to design a building evacuation system in which agents has been used as experiment in real cannot be performed. It also shows how UML can be exploited to design multi agent system at agent level. It provides different agent oriented diagrams to model architecture of multi agent system and coordination between agents. Agents have been modeled in different situations and the way they think and how they use the available resources for their exit.

References

Using Intelligent Agents for Building Evacuation: A UML Approach

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Index Terms

Computer Science

Artificial Intelligence

Keywords

Agents   UML building evacuation sensors detectors