Abstract

In this paper is presented the conceptualization and analysis of a pedagogical multi-agent system (MAS) using the methodology MAS-CommonKADS, which is one of the most renowned methodologies for MAS modeling. The purpose of the conceptualization phase is understanding the problem, identifying the active and passive actors, and also making the requirements that allow us formulating some objectives to generate the solution. In the analysis phase are defined the models of agents, tasks, coordination, communication, organization and experience (knowledge). Both phases were validated through the construction of the pedagogical multi-agent environment ALLEGRO.

Keywords

Artificial Intelligence in Education, Distributed Artificial Intelligence, Multi-Agent System, MASCommonKADS Methodology.