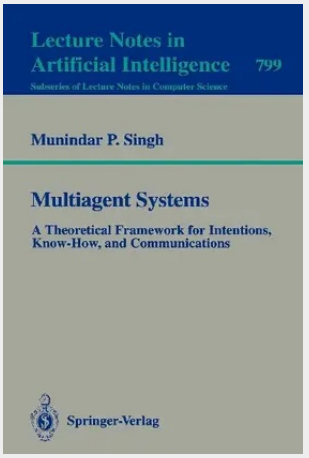
Singh

Multiagent Systems

A Theoretical Framework for Intentions, Know-How, and Communications

Distributed computing is of great significance in current and future reserach and applications of computer science. As a consequence, in artificial intelligence we can observe rapid growth in the subfield of distributed artificial intelligence (DAI). In particular research on multiagent systems and their potential applications currently attract a lot of interest.
This monograph presents recent research and an introductory survey on multiagent systems and some other aspects of DAI. The author describes these systems as composed of intelligent entities, the agents, with intentions, beliefs, know-how, and communicating with each other, furthermore, a semantics for multiagent systems in a general logical framework is developed.

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