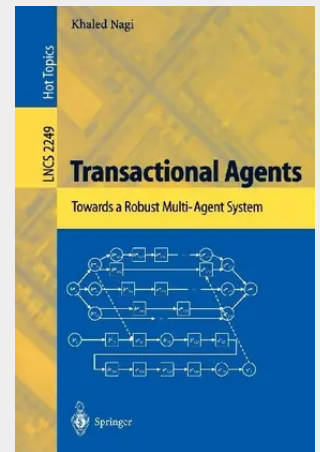


Transactional Agents

Towards a Robust Multi-Agent System

The term "agent" is one of those catchwords that mean widely differing things to different people. To telecommunications people it is little more than a mobile piece of code that may be executed at any place. At the other extreme, AI people often associate with agents human-like traits such as social behavior. In between, software people view agents as fairly self-contained pieces of software that, at the low end, pretty much act like objects and, at the high end, more or less autonomously decide when and how to react to stimuli or proactively initiate effects that can be observed from their environment. Software agents are particularly important when it comes to distributed environments. There, much of the communication takes place asynchronously, that is the sequence of events cannot be planned ahead in all detail. Instead, agents are given rules as to how to interpret the current situation and, given a common goal, so that they adjust their response accordingly.

The term "agent" is one of those catchwords that mean widely differing things to different people. To telecommunications people it is little more than a mobile piece of code that may be executed at any place. At the other extreme, AI people often associate with agents human-like traits such as social behavior. In between, software people view agents as fairly self-contained pieces of software that, at the low end, pretty much act like objects and, at the high end, more or less autonomously decide when and how to react to stimuli or proactively initiate effects that can be observed from their environment. Software agents are particularly important when it comes to distributed environments. There, much of the communication takes place asynchronously, that is the sequence of events cannot be planned ahead in all detail. Instead, agents are given rules as to how to interpret the current situation and, given a common goal, so that they adjust their response accordingly.



53,49 €

49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540430469

Medium: Buch

ISBN: 978-3-540-43046-9

Verlag: Springer

Erscheinungstermin: 14.12.2001

Sprache(n): Englisch

Auflage: 1. Auflage 2001

Serie: Lecture Notes in Computer Science

Produktform: Kartoniert

Gewicht: 353 g

Seiten: 208

Format (B x H): 155 x 235 mm

