Decentralized A.I.

EDITORS Y. Demazeau J.-P. Müller

NORTH-HOLLAND

Y. Demazeau and

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Much research in Artificial Intelligence handles a single agent having comprehensive control over the world. This book handles Decentralized AI (DzAI), which can be involved with the experience of an autonomous agent in a multi-agent world. A variation of this can be Distributed AI (DAI), which is concerned with the collaborative alternative of global problems by a distributed band of entities. The term "agent" can be used in a wide sense, to designate an intelligent entity performing rationally and intentionally regarding its goals and the current state of its understanding. The agents have imperfect understanding of one another and about their common globe, which they can update possibly through perception of the world, or by communication with one another. each agent may accomplish its tasks, or cooperate with other agents to perform a personal or global task. Several these agents coexist and may collaborate with other agents in a common globe; The papers had been originally presented at a workshop held at King's University, Cambridge, and also have been revised for this book.



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