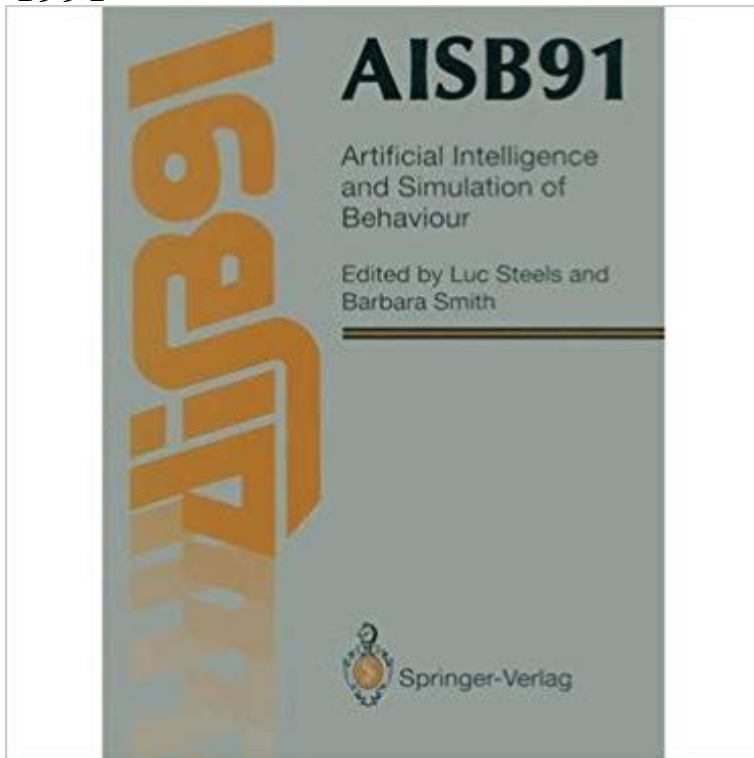


Aisb 91: Proceedings of the Eighth Conference of the Society for the Study of Artificial Intelligence and Simulation of Behaviour, 16-19 April, 1991



AISB91 is the eighth conference organized by the Society for the Study of Artificial Intelligence and Simulation of Behaviour. It is not only the oldest regular conference in Europe on AI - which spawned the ECAI conferences in 1982 - but it is also the conference that has a tradition for focusing on research as opposed to applications. The 1991 edition of the conference was no different in this respect. On the contrary, research, and particularly newly emerging research directions such as knowledge level expert systems research, neural networks and emergent functionality in autonomous agents, was strongly emphasised. The conference was organized around the following sessions: distributed intelligent agents, situatedness and emergence in autonomous agents, new modes of reasoning, the knowledge level perspective, and theorem proving and machine learning. Each of these sessions is discussed below in more detail.

DISTRIBUTED INTELLIGENT AGENTS

Research in distributed AI is concerned with the problem of how multiple agents and societies of agents can be organized to co-operate and collectively solve a problem. The first paper by Chakravarty (MIT) focuses on the problem of evolving agents in the context of Minskys society of mind theory. It addresses the question of how new agents can be formed by transforming existing ones and illustrates the theory with an example from game playing. Smieja (GMD, Germany) focuses on the problem of organizing networks of agents which consist internally of neural networks.

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(Ed. critica a cura di), KR2002: proceedings of the 8th international conference on and simulation of behaviour (AISB91), University of Leeds, 16-19 April 1991 **Aisb91: Proceedings of the Eighth Conference of the - Search for** Aisb 91: Proceedings of the Eighth Conference of the Society for the Study of Artificial Intelligence and Simulation of Behaviour, 16-19 April, 1991. by Luc Steels. **AISB91: Proceedings of the Eighth Conference of the Society for - Google Books Result AISB91: proceedings of the eighth Conference of the Society for the** AISB 91 Proceedings of the 8th Conference of the Society for the Study of Artificial Intelligence and Simulation of Behaviour 16-19 April 1991 University of Leeds **Catalog Record: Advances in artificial intelligence : Hathi Trust** AISB91: proceedings of the eighth Conference of the Society for the Study of Artificial Intelligence and Simulation of Behaviour, 16-19 April 1991, University of Leeds Society for the Study of Artificial Intelligence and the Simulation of Behaviour. 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