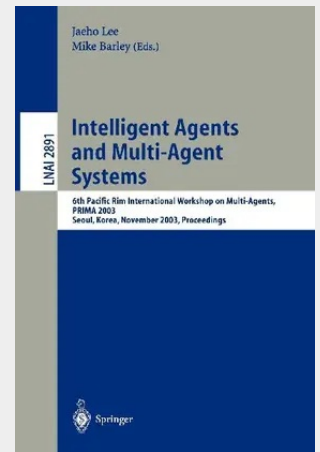


Intelligent Agents and Multi-Agent Systems

6th Pacific Rim International Workshop on Multi-Agents, PRIMA 2003, Seoul, Korea, November 7-8, 2003, Proceedings

Five years ago, with excitement and uncertainty, we witnessed the birth of PRIMA (Pacific Rim International Workshop on Multi-Agents). The first PRIMA in 1998 has now grown into PRIMA 2003, the 6th Pacific Rim International Workshop on Multi-Agents in Seoul, Korea. During a period of five years, the notion of agent research has grown so much that we hear the term agent on a daily basis. Various fields such as business, the Web, software engineering, on-line games and such are now using the term agent as a placeholder, just like the term object is used in the object-oriented paradigm. On the other hand, the research area has extended toward real applications, such as the Semantic Web and ubiquitous computing. The themes of PRIMA 2003 reflected the following trends: – agent-based electronic commerce, auctions and markets – agent architectures and their applications – agent communication languages, dialog and interaction protocols – agent ontologies – agent programming languages, frameworks and toolkits – agent cities – agents and grid computing – agents and peer computing – agents and the Semantic Web – agents and Web services – artificial social systems – conflict resolution and negotiation – evaluation of multi-agent systems – languages and techniques for describing (multi-)agent systems – meta modeling and meta reasoning – multi-agent planning and learning – multi-agent systems and their applications – social reasoning, agent modeling, and organization – standards for agents and multi-agent systems – teams and coalitions – ubiquitous agents

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