Computational Logic in Multi-Agent Systems: 4th International Workshop, Clima IV, Fort Lauderdale, FL, USA, January 6-7, 2004, Revised Selected and Invited Papers

By -

Springer. Paperback. Book Condition: New. Paperback. 251 pages. Dimensions: 8.9in. x 6.1in. x 0.6in.Over recent years, the notion of agency has claimed a major role in dening the trends of modern research. Inuencing a broad spectrum of disciplines such as sociology, psychology, philosophy and many more, the agent paradigm virtually invaded every subeld of computer science, because of its promising applications for the Internet and in robotics. Multi-agent systems (MAS) are communities of problem-solving entities that can perceive and act upon their environments to achieve their individual goals as well as joint goals. The work on such systems integrates many technologies and concepts in articial intelligence and other areas of computing. There is a full spectrum of MAS applications that have been and are being developed: from search engines to educational aids to electronic commerce and trade. Although commonly implemented by means of imperative languages, mainly for reasons of eciency, the agent concept has recently increased its inuence in the research and development of computational logic-based systems. Computational logic, by virtue of its nature both in substance and method, providesawell-dened, general, andrigorousframeworkforsystematicallystu- ing computation, be it syntax, semantics, and procedures, or implementations, environments, tools, and standards. Computational logic

Reviews

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