Yang / Webb

PRICAI 2006: Trends in Artificial Intelligence

9th Pacific Rim International Conference on Artificial Intelligence, Guilin, China, August 7-11, 2006, Proceedings

This book constitutes the refereed proceedings of the 9th Pacific Rim International Conference on Artificial Intelligence, PRICAI 2006, held in Guilin, China in August 2006. The book presents 81 revised full papers and 87 revised short papers together with 3 keynote talks. The papers are organized in topical sections on intelligent agents, automated reasoning, machine learning and data mining, natural language processing and speech recognition, computer vision, perception and animation, and more.

The Paci?c Rim International Conference on Arti?cial Intelligence (PRICAI) is one of the preeminent international conferences on arti?cial intelligence (AI). PRICAI 2006 (http://www.csse.monash.edu.au/pricai06/Header.htm) was the ninth in this series of biennial international conferences highlighting the most signi?cant contributions to the ? eld of AI. The conference was held during - gust 7-11, 2006, in the beautiful city of Guilin in Guangxi Province, China. As in previous years,this year's technical programsawvery high standards in both the submission and paper review process, resulting in an exciting program that re?ects the great variety and depth of modern AI research. This year's contributions coveredall traditional areas of AI, including machine learning and data mining, knowledge representation and planning, probabilistic reasoning, constraintsatisfaction,computervisionandautomatedagents,aswellasvarious exciting and innovative applications of AI to many di?erent areas. There was particularemphasis inthe areasof machinelearning anddata mining,intelligent agents, evolutionary computing and intelligent image and video analysis. The technical papers in this volume were selected from a record of 596 s- missions after a rigorous review process. Each submission was reviewed by at least three members of the PRICAI Program Committee, including at least two reviewers and one Vice Program Chair. Decisions were reached following d- cussions among the reviewers of each paper, and ?nalized in a highly selective process that balanced many aspects of a paper, including the signi?cance of the contribution and originality, technical quality and clarity of contributions, and relevance to the conference objectives.



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