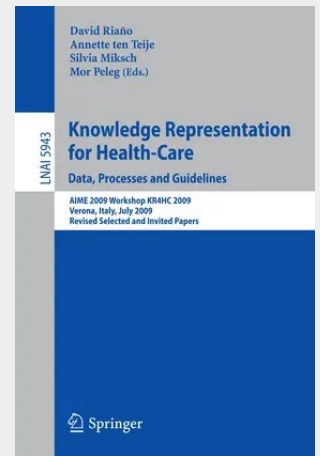


Knowledge Representation for Health-Care. Data, Processes and Guidelines

AIME 2009 Workshop KR4HC 2009, Verona, Italy, July 19, 2009, Revised Selected Papers

This book is the result of merging two workshop series, namely, one on computerized guidelines and protocols and the other one on knowledge management for healthcare procedures. The merger resulted in the KR4HC workshop: Knowledge Representation for Health Care: Data, Processes, and Guidelines. This workshop was held in conjunction with the 12th Conference on Artificial Intelligence in Medicine (AIME 2009), in Verona, Italy. The book included, in addition to the full-length workshop papers, invited peer-reviewed advanced papers on lessons learned in these fields. The KR4HC workshop continued a line of successful guideline workshops held in 2000, 2004, 2006, 2007, and 2008. Following the success of the first European Workshop on Computerized Guidelines and Protocols held in Leipzig, Germany, in 2000, the Symposium on Computerized Guidelines and Protocols (CGP 2004) was organized in Prague, Czech Republic in 2004 to identify use cases for guideline-based applications in health care, computerized methods for supporting the guideline development process, and pressing issues and promising approaches for developing usable and maintainable vehicles for guideline delivery. In 2006 an ECAI 2006 workshop at Riva del Garda, Italy, entitled "Artificial Intelligence in Health Care: Evidence-Based Guidelines and Protocols" was organized to bring together researchers from different branches of artificial intelligence to examine cutting-edge approaches to guideline modeling and development and to consider how different communities can cooperate to address the challenges of computer-based guideline development.

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