

Artificial Intelligence in Medicine: 10th Conference on Artificial Intelligence in Medicine, AIME 2005, Aberdeen, UK, July 23-27, 2005, Proceedings (Lecture Notes in Computer Science) *by* Silvia Miksch, Jim Hunter, Elpida Keravnou pdf



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The European Society for Artificial Intelligence in Medicine (AIME) was established in 1986 with two main goals: 1) to foster fundamental and applied research in the application of Artificial Intelligence (AI) techniques to medical care and medical research, and 2) to provide a forum at biennial conferences for reporting significant results achieved. Additionally, AIME assists medical industrialists to identify new AI techniques with high potential for integration into new products. A major activity of this society has been a series of international conferences held biennially over the last 18 years: Marseilles, France (1987), London, UK (1989), Maastricht, Netherlands (1991), Munich, Germany (1993), Pavia, Italy (1995), Grenoble, France (1997), Aalborg, Denmark (1999), Cascais, Portugal (2001), Protaras, Cyprus (2003). The AIME conference provides a unique opportunity to present and improve the international state of the art of AI in medicine from both a research and an applications perspective. For this purpose, the AIME conference includes invited lectures, contributed papers, system demonstrations, a doctoral consortium, tutorials, and workshops. The present volume contains the proceedings of AIME 2005, the 10th conference on Artificial

Intelligence in Medicine, held in Aberdeen, Scotland, July 23-27, 2005. In the AIME 2005 conference announcement, we encouraged authors to submit original contributions to the development of theory, techniques, and applications of AI in medicine, including the evaluation of health care programs. Theoretical papers were to include presentation or analysis of the properties of novel AI methodologies potentially useful to solving medical problems. Technical papers were to describe the novelty of the proposed approach, its assumptions, benefits, and limitations compared with other alternative techniques. Application papers were to present sufficient information to allow the evaluation of the practical benefits of the proposed system or methodology.



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