



Expert Systems in Artificial Intelligence

Artificial Intelligence Expert Systems

V. Daniel Hunt



Artificial Intelligence Expert Systems:

Artificial Intelligence, Expert Systems, Computer Vision, and Natural Language Processing William B. Gevarter, 1984 **Expert Systems and Artificial Intelligence** Thomas C. Bartee, 1988 Artificial Intelligence and the Design of Expert Systems George F. Luger, William A. Stubblefield, 1989 Provides a thorough discussion of AI's theoretical foundations and advanced applications including expert system design and knowledge based programming. It is a wealth of advanced AI topics and applications that should appeal to a broad audience **Artificial Intelligence and Expert Systems** I. Gupta, G. Nagpal, 2020-04-20 No detailed description available for Artificial Intelligence and Expert Systems Introduction to Artificial Intelligence and Expert Systems Dan W. Patterson, 1990-01-01 Introduction to Artificial Intelligence and Expert Systems Dan W. Patterson, 1990 Expert Systems in Engineering Applications Spyros Tzafestas, 2012-12-06 Expert system technology is receiving increasing popularity and acceptance in the engineering community. This is due to the fact that there actually exists a close match between the capabilities of the current generation expert systems and the requirements of engineering practice. Prepared by a distinguished team of experts, this book provides a balanced state-of-the-art presentation of the design principles of engineering expert systems and a representative picture of their capabilities to assist efficiently the design, diagnosis, and operation of complex industrial plants. Among the application areas covered are the following: hardware synthesis, industrial plant layout design, fault diagnosis, process control, image analysis, computer communication, electric power systems, intelligent control, robotics, and manufacturing systems. The book is appropriate for the researcher and the professional. The researcher can save considerable time in searching the scattered technical information on engineering expert systems. The professional can have readily available a rich set of guidelines and techniques that are applicable to a wide class of engineering domains **Expert Systems** Dieter Nebendahl, 1988

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Expert Systems and Artificial Intelligence, 1990 **Expert Systems for Software Engineers and Managers** S. David Hu, 2013-03-08 This book is written for software engineers software project leaders and software managers who would like to introduce a new advanced software technology expert systems into their product Expert system technology brings into programming a new dimension in which rule of thumb or heuristic expert knowledge is encoded in the program In contrast to conventional procedural languages e g Fortran or C expert systems employ high level programming languages Le expert system shells that enable us to capture the judgmental knowledge of experts such as geologists doctors lawyers bankers or insurance underwriters Past expert systems have been more successfully applied in the problem areas of analysis and synthesis where the boundary of knowledge is well defined and where experts are available and can be identified Early successful applications include diagnosis systems such as MYCIN geological systems such as PROSPECTOR or design configuration systems such as XC ON These early expert systems were mainly applicable to scientific and engineering problems which are not theoretically well understood in terms of decisionmaking processes by their experts and which therefore require judgmental assessment The more recent expert systems are being applied to sophisticated synthesis problems that involve a large number of choices such as how the elements are to be compared These problems normally entailed a large search space and slower speed for the expert systems designed Examples of these systems include factory scheduling applications such as ISIS or legal reasoning applications such as TAXMAN **Keyguide to Information Sources in Artificial Intelligence/expert Systems** Peter J. Hancox, William J. Mills, William James Mills, Bruce J. Reid, 1990 **Expert Systems** John Durkin, 1994 Presents a step by step methodology for designing expert systems Each chapter on design methodology starts with a problem and leads the reader through the design of a system which solves that problem Expert Systems and Artificial Intelligence Nigel Ford, 1991 Industrial and Engineering Applications of Artificial Intelligence and Expert Systems Takushi Tanaka, Moonis Ali, Setsuo Ohsuga, 1997-01-30 This volume includes the proceedings from Proceedings of the Ninth International Conference Fukuoka Japan June 4 7 1996 This work represents a broad spectrum of new ideas in the field of applied artificial intelligence and expert systems and serves to disseminate information regarding intelligent methodologies and their implementation in solving various problems in industry and engineering Artificial Intelligence, Expert Systems, Natural Language, 1992 **Expert Systems and Artificial Intelligence** Nigel FORD, 1991 **Machine Learning** Richard Forsyth, Roy Rada, 1986 Part one of this book is a wide ranging introduction to the concepts and methods of machine learning with special reference to the development of expert systems It surveys the major systems describing how they work and how they may be put to practical use Part two delves more deeply into a specific subject area

It contains detailed case studies of learning experiments which help to bring the goal of intelligent information retrieval closer to realization The objective of the second part of the book is to demonstrate machine learning in action within an important contemporary field of information technology **Artificial Intelligence and Expert Systems** Stuart E. Savory,1988 **Expert Systems for Personal Computers** Michael Chadwick,John Adrian Hannah,1986

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