Dennis Merritt

Building Expert Systems in Prolog

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Padhraic Smyth

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Building Expert Systems in Prolog Dennis Merritt,2012-12-06 When I compare the books on expert systems in my library with the production expert systems I know of I note that there are few good books on building expert systems in Prolog Of course the set of actual production systems is a little small for a valid statistical sample at least at the time and place of this writing here in Gennany and in the first days of 1989 But there are at least some systems I have seen running in real life commercial and industrial environments and not only at trade shows I can observe the most impressive one in my immediate neighborhood It is installed in the Telephone Shop of the Gennan Federal PTT near the Munich National Theater and helps configure telephone systems and small PBXs for mostly private customers It has a neat graphical interface and constructs and prices an individual telephone installation interactively before the very eyes of the customer The hidden features of the system are even more impressive It is part of an expert system network with a distributed knowledge base that will grow to about 150 installations in every Telephone Shop throughout Gennany Each of them can be updated individually overnight via Teletex to present special offers or to adapt the selection process to the hardware supplies currently available at the local ware houses *Adventure in Prolog* Dennis Merritt,2012-12-06 Not long ago Dennis Merritt wrote one of the best books that I know of about implementing expert systems in Prolog and I was very glad he published it in our series The only problem is there are still some unfortunate people around who do not know Prolog and are not sufficiently prepared either to read Merritt s book or to use this extremely productive language be it for knowledge based work or even for everyday programming Possibly this last statement may surprise you if you were under the impression that Prolog was an artificial intelligence language with very limited application potential Please believe this editor s statement that quite the opposite is true for at least four years I have been using Prolog for every programming task in which I am given the option of choosing the language Therefore I am indeed happy that Dennis Merritt has written another good book on my language of choice and that it meets the high standard he set with his prior book Building Expert Systems in Prolog All that remains for me to do is to wish you success and enjoyment when taking off on your Adventure in Prolog **E-CARGO and Role-Based Collaboration** Haibin Zhu,2021-12-02 E CARGO and Role Based Collaboration A model for collaboratively solving complex problems E CARGO and Role Based Collaboration offers a unique guide that explains the nature of collaboration explores an easy to follow process of collaboration and defines a model to solve complex problems in collaboration and complex systems Written by a noted expert on the topic the book initiates the study of an effective collaborative system from a novel perspective The role based collaboration RBC methodology investigates the most important aspects of a variety of collaborative systems including societal technical systems The models and algorithms can also be applied across system engineering production and management The RBC methodology provides insights into complex systems through the use of its core model E CARGO The E CARGO model provides the fundamental components principles relationships and structures for

specifying the state process and evolution of complex systems This important book Contains a set of concepts models and algorithms for the analysis design implementation maintenance and assessment of a complex system Presents computational methods that use roles as a primary underlying mechanism to facilitate collaborative activities including role assignment Explores the RBC methodology that concentrates on the aspects that can be handled by individuals to establish a well formed team Offers an authoritative book written by a noted expert on the topic Written for researchers and practitioners dealing with complex problems in collaboration systems and technologies E CARGO and Role Based Collaboration contains a model to solve real world problems with the help of computer based systems **Journal of New Generation Computer Systems** ,1990 **American Book Publishing Record** ,1990 □□□□□□□□ ,1990 Subject Guide to Books in Print ,1993 **AI Magazine** ,1992 **Bibliographic Guide to Education** ,1990 **Verzeichnis lieferbarer Bücher** ,1988 Deutsche Nationalbibliographie und Bibliographie des im Ausland erschienenen deutschsprachigen Schrifttums ,1990 **Ekonomski pregled** ,1992 **Computerbibliographie** Claus J. Tully,1990 **Deutsche Nationalbibliographie und Bibliographie des im Ausland erschienenen Deutschsprachigen Schriftums** ,1990 *German books in print* ,1993

Bibliographie der Deutschen Bibliothek ,1990 Building Expert Systems James Martin,Steven Oxman,1988 The vocabulary used with expert systems Why expert systems What is an expert system Knowledge base management and system evolution Business opportunities offered by expert systems Linking expert systems to toher software The construction of expert systems Verifying suitability of tasks for expert system support Building expert systems The expert system life cycle Expert system construction requirements Tools for building expert systems Languages Expert system shells Commercial expert system shells Hardware for expert systems Construction strategies development of a personal computer expert system How ro select the right tools The future of expert system technology Index The Agile Enterprise Nirmal Pal,Daniel Pantaleo,2008-11-01 One of the first widely available resources on the subject of adaptive enterprise The text takes on a new and burgeoning field of study and development and provides the opportunity to help shape and guide the thinking of decision makers in the world of both public and private sectors The authors contribute a wealth of experience from professional situations having worked for IBM Global Services Consulting Group and SAP Institute for Innovation and Development

Systematic Introduction to Expert Systems Frank Puppe,2012-12-06 At present one of the main obstacles to a broader application of expert systems is the lack of a theory to tell us which problem solving methods areavailable for a given problem class Such a theory could lead to significant progress in the following central aims of the expert system technique Evaluating the technical feasibility of expert system projects This depends on whether there is a suitable problem solving method and if possible a corresponding tool for the given problem class Simplifying knowledge acquisition and maintenance The problem solving methods provide direct assistance as interpretation models in knowledge acquisition Also they make possible the development of problem specific expert system tools with graphical knowledge acquisition components which

can be used even by experts without programming experience Making use of expert systems as a knowledge medium The structured knowledge in expert systems can be used not only for problem solving but also for knowledge communication and tutorial purposes With such a theory in mind this book provides a systematic introduction to expert systems It describes the basic knowledge representations and the present situation with regard tothe identification realization and integration of problem solving methods for the main problem classes of expert systems classification diagnostics construction and simulation **Developing and Managing Expert Systems** David S. Prerau,1990 Presents a practical step by step approach to developing and managing expert systems in business and industry

Unveiling the Energy of Verbal Beauty: An Mental Sojourn through **Building Expert Systems In Prolog Springer Compass International**

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