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Nota di contenuto	How to construct a logic for your application -- A model elimination calculus with built-in theories -- A new sorted logic -- An explanatory framework for human theorem proving -- Towards first-order deduction based on Shannon graphs -- Success and failure of expert systems in. different fields of industrial application -- Viewing knowledge engineering as a symbiosis of Modeling to make sense and modeling to implement systems -- Cases as a basis for knowledge acquisition in the pre-formal phases of knowledge engineering -- Controlling generate & test in any time -- Efficient computation of solutions for contradictory time interval networks -- Extensions of concept languages for a mechanical engineering application -- Combining terminological and rule-based reasoning for abstraction processes -- Forward logic evaluation: Compiling a partially evaluated meta-interpreter into the WAM -- Concept support as a method for programming neural networks with symbolic knowledge -- A heuristic inductive generalization method and its application to VLSI-design -- Learning plan abstractions -- On discontinuous Q-Functions in reinforcement learning -- An intelligent tutoring system for classification problem solving -- Knowledge-based processing of medical language: A language engineering approach -- Text planning

in ITEX: A hybrid approach -- Yes/no questions with negation: Towards integrating semantics and pragmatics -- An efficient decision algorithm for feature logic -- Universally quantified queries in languages with order-sorted logics -- A semantic view of explanation -- Goal-driven similarity assessment -- Delegated negotiation for resource re-allocation -- Towards a specification language for cooperation methods -- Improving operating system usage -- The role of user models for conflicts in a constraint-based model of generation -- Criteria in natural language generation: Minimal criteria and their impacts -- Terminological representation, natural language & relation algebra -- Linking humans and intelligent systems or: What are user agents good for? -- An advisor for the management of the acute radiation syndrome.

| Sommario/riassunto | This volume gives the proceedings of the sixteenth German Conference on Artificial Intelligence, held in the Gustav Stresemann Institute in Berlin from August 31 to September 3, 1992. The volume contains 24 papers presentedin the technical sessions, 8 papers selected from the workshop contributions, and an invited talk by D.M. Gabbay entitled "Howto construct a logic for your application". Topics discussed in the technical papers include: a model elimination calculus, a sorted logic, human theorem proving, deduction based on Shannon graphs, expert system applications, knowledge engineering, time interval networks, forward logic evaluation, concept support, heuristic inductivegeneralization, language engineering, feature logic, similarity assessment, and many others. |