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	Nota di contenuto	Why (a kind of) AI can't be done -- Representation by correspondence: An inadequate conception of knowledge for artificial systems -- Genuine representation in artificial systems -- Using fuzzy logic to mitigate the effect of multiple-sclerosis tremors on a wheelchair joystick controller -- Thinking quickly: Agents for modeling air warfare -- Plan execution in a hostile dynamic environment -- A labelled sequent system for tense logic Kt -- Integrating reactive and reflective reasoning by generating rational models -- On the combination of partial action descriptions -- A mechanisation of classical modal tense logics using isabelle -- Constructing an intelligent multi-agent workflow system -- First-order Bayesian reasoning -- Learning intelligent behavior -- A formal embedding of agentspeak(L) in 3APL -- Recurrent neural networks to approximate the semantics of acceptable logic programs -- Computation in recurrent neural networks: From counters to iterated function systems -- Performance of a comprehensive and efficient constraint library based on local search -- Helicopter flight condition recognition: A minimalist approach -- A study of provability in defeasible logic -- Lower bounds on the size of test data sets -- cardT A P: Automated deduction on a smart card -- Constraint resolution within object hierarchies -- The temporal QCM

modelling language -- The problem of missing values in decision tree grafting -- Adjusted probability Naive Bayesian induction -- Strategic behaviour-based reasoning with dynamic, Partial information -- Representing defeasible constraints and observations in action theories -- Stochastic Attribute Selection Committees.

Sommario/riassunto	This book presents the thoroughly refereed post-conference proceedings of the 11th Australian Joint Conference on Artificial Intelligence, AI'98, held in Brisbane, Australia in July 1998. The 28 revised full papers presented in the book were carefully reviewed and selected from twice as many papers accepted for presentation at the conference. Among the topics covered are philosophical issues, fuzzy logic, agent systems, AI logics, planning, knowledge representation, automated deduction, intelligent agents, learning, constraint solving, and neural networks.