

1. Record Nr.	UNISA996465336603316
Titolo	Parallelization in Inference Systems [[electronic resource]] : International Workshop, Dagstuhl Castle, Germany, December 17-18, 1990. Proceedings / / edited by Bertram Fronhöfer, Graham Wrightson
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1992
ISBN	3-540-47066-2
Edizione	[1st ed. 1992.]
Descrizione fisica	1 online resource (X, 378 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 590
Disciplina	004/.35
Soggetti	Artificial intelligence Software engineering Architecture, Computer Computer programming Microprocessors Artificial Intelligence Software Engineering/Programming and Operating Systems Computer System Implementation Programming Techniques Processor Architectures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Potentiality of parallelism in logic -- Parallel theorem provers An overview -- Parallel unification: Theory and implementations -- Connectionist inference systems -- Implementing parallel rewriting -- Experiments with Roo, a parallel automated deduction system -- A process algebra over the Herbrand Universe: Application to parallelism in automated deduction -- Using the Reform inference system for parallel Prolog -- Random competition: A simple, but efficient method for parallelizing inference systems -- Parallel and efficient implementation of the compartmentalized connection graph proof procedure: Resolution to unification -- Constraint satisfaction via partially parallel propagation steps -- A parallel theorem prover with heuristic work distribution -- Non-WAM models of logic programming

and their support by novel parallel hardware -- The adam abstract dataflow machine -- Parallel computation model for parallel prolog -- Application of connectionist models to fuzzy inference systems -- CHCL — A connectionist inference system -- Project Summaries.

Sommario/riassunto

This volume contains the proceedings of an international workshop on parallelism in inference systems held in Germany in December 1990. The topic of the workshop is still rather young and several papers in the book are overview articles intended to provide a first orientation toward some of the more intensively investigated subtopics. The main part of the book is a compilation of research papers on parallelization in special domains of inference such as rewriting, automatic reasoning, logic programming, and connectionist inference. Appended to the book is a collection of short project summaries received in response to a worldwide email call. The book is intended primarily for researchers working on inference systems who are interested in parallelizing their systems.

2. Record Nr.

UNINA9910484252703321

Titolo

Hybrid Artificial Intelligence Systems : 9th International Conference, HAIS 2014, Salamanca, Spain, June 11-13, 2014, Proceedings // edited by Marios Polycarpou, André C.P.L.F. de Carvalho, Jeng-Shyang Pan, Micha Woniak, Héctor Quintián, Emilio Corchado

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Edizione

[1st ed. 2014.]

Descrizione fisica

1 online resource (XVIII, 710 p. 253 illus.)

Collana

Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 8480

Disciplina

006.3

Soggetti

Artificial intelligence
Algorithms
Application software
Computer science
Pattern recognition systems
Computer vision
Artificial Intelligence
Computer and Information Systems Applications
Theory of Computation
Automated Pattern Recognition
Computer Vision

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	HAIS Applications -- Data Mining and Knowledge Discovery -- Video and Image Analysis -- Bio-inspired Models and Evolutionary Computation -- Learning Algorithms -- Hybrid Intelligent Systems for Data Mining and Applications -- Classification and Cluster Analysis.
Sommario/riassunto	This volume constitutes the proceedings of the 9th International Conference on Hybrid Artificial Intelligent Systems, HAIS 2014, held in Salamanca, Spain, in June 2014. The 61 papers published in this volume were carefully reviewed and selected from 199 submissions. They are organized in topical sessions on HAIS applications; data mining and knowledge discovery; video and image analysis; bio-inspired models and evolutionary computation; learning algorithms; hybrid intelligent systems for data mining and applications and classification and cluster analysis.