

1. Record Nr.	UNISA996466138003316
Titolo	Conceptual Structures: Applications, Implementation and Theory [[electronic resource]] : Third International Conference on Conceptual Structures, ICCS '95, Santa Cruz, CA, USA, August 14 - 18, 1995. Proceedings / / edited by Gerard Ellis, Robert Levinson, William Rich, John F. Sowa
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1995
ISBN	3-540-49539-8
Edizione	[1st ed. 1995.]
Descrizione fisica	1 online resource (X, 362 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 954
Disciplina	003/.54
Soggetti	Artificial intelligence Combinatorics Database management Artificial Intelligence Database Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Syntax, semantics, and pragmatics of contexts -- Ontology revision -- A triadic approach to formal concept analysis -- Automatic integration of digital system requirements using schemata -- Service trading using conceptual structures -- Sentence generation from conceptual graphs -- Discourse spaces: A pragmatic interpretation of contexts -- A pragmatic representational approach of context and reference in discourses -- Using the conceptual graphs operations for natural language generation in medicine -- Table 10 left without paying the bill! a good reason to treat metonymy with conceptual graphs -- Object-oriented conceptual graphs -- A direct proof procedure for definite conceptual graph programs -- Conceptual clustering of complex objects: A generalization space based approach -- Using empirical subsumption to reduce the search space in learning -- A new parallelization of subgraph isomorphism refinement for classification and retrieval of conceptual structures -- Transputer network implementation of a parallel projection algorithm for conceptual graphs

-- Spanning tree representations of graphs and orders in conceptual structures -- An implementation model for contexts and negation in conceptual graphs -- A linear descriptor for conceptual graphs and a class for polynomial isomorphism test -- Projection and unification for conceptual graphs -- A novel algorithm for matching conceptual and related graphs -- On the ontology of knowledge graphs -- Conceptual graphs and first-order logic -- Existential graphs and dynamic predicate logic.

Sommario/riassunto

This book constitutes the proceedings of the Third International Conference on Conceptual Structures, ICCS '95, held in Santa Cruz, California in August 1995. Conceptual structures are a modern treatment of Peirce's existential graphs, a graphic notation for classical logic with higher order extensions. Besides three invited papers, there are included 21 revised full papers selected from 58 submission. The volume reflects the state-of-the-art in this research area of growing interest. The papers are organized in sections on natural language, applications, programming in conceptual graphs, machine learning and knowledge acquisition, hardware and implementation, graph operations, and ontologies and theory.
