1.	Record Nr.	UNINA9910484855703321
	Titolo	Conceptual structures : leveraging semantic technologies : 17th International Conference on Conceptual Structures, ICCS 2009, Moscow, Russia, July 26-31, 2009, proceedings / / Sebastian Rudolph, Frithjof Dau, Sergei O. Kuznetsov (editors)
	Pubbl/distr/stampa	Berlin ; ; Heidelberg ; ; New York : , : Springer, , [2009] ©2009
	ISBN	1-282-33185-X 9786612331855 3-642-03079-3
	Edizione	[1st ed. 2009.]
	Descrizione fisica	1 online resource (330 p.)
	Collana	Lecture notes in computer science ; ; 5662
	Classificazione	DAT 537f DAT 703f SS 4800
	Disciplina	003.54
	Soggetti	Conceptual structures (Information theory)
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Invited Papers -- The Maturing Semantic Web: Lessons in Web-Scale Knowledge Representation -- Concept Formation in Linguistic Ontologies -- Conceptual Graph Rules and Equivalent Rules: A Synthesis -- Two Paradigms Are Better Than One, and Multiple Paradigms Are Even Better -- Semantic Search – Using Graph-Structured Semantic Models for Supporting the Search Process -- Human Being and Mathematics Logical and Mathematical Thinking -- Accepted Papers -- Default Conceptual Graph Rules: Preliminary Results for an Agronomy Application -- Towards Extraction of Conceptual Structures from Electronic Health Records -- Algorithm Design Using Traversals of the Covering Relation -- Representing and Reasoning about Different Viewpoints: An Agronomy Application -- Access Policy Design Supported by FCA Methods -- Using VRML Technology for Visualization of Relations between the Main Concepts of an Educational Course -- Efficient Browsing and Update of Complex Data Based on the Decomposition of Contexts -- In Search of Semantic

Compositionality in Vector Spaces -- Frequent Itemset Mining for Clustering Near Duplicate Web Documents -- System Consequence -- Fusion of Claude Bernard's Experiments for Scientific Discovery Reasoning -- Distinguishing Answers in Conceptual Graph Knowledge Bases -- A Practical Exploration of Ontology Interoperability -- Relation Algebra Operations on Formal Contexts -- Conceptual Graphs and Datatypes -- Towards the Complexity of Recognizing Pseudo-intents -- Another Reason Why Conceptual Graphs Need Actors -- Relational Scaling in Relational Semantic Systems.

Sommario/riassunto

This book constitutes the refereed proceedings of the 17th International Conference on Conceptual Structures, ICCS 2009, which took place in Moscow, Russia, on July 26-31, 2009. The 18 papers presented together with 5 invited contributions were carefully reviewed and selected from approximately 50 submissions. Originally centered around research on knowledge representation and reasoning with conceptual graphs, over the years ICCS has broadened its scope to include innovations from a wider range of theories and related practices, among them other forms of graph-based formalisms like RDF or existential graphs, formal concept analysis, semantic Web technologies, ontologies, concept mapping and more.