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Soggetti	Artificial intelligence Computer science—Mathematics Mathematical logic Algorithms Application software Artificial Intelligence Discrete Mathematics in Computer Science Mathematical Logic and Formal Languages Algorithm Analysis and Problem Complexity Information Systems Applications (incl. Internet)
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Papers -- Formal Ontology, Knowledge Representation and Conceptual Modelling: Old Inspirations, Still Unsolved Problems -- The Persuasive Expansion – Rhetoric, Information Architecture, and Conceptual Structure -- Revision Forever! -- Ontological Constitutions for Classes and Properties -- Peirce’s Contributions to the 21st Century -- Two Iconicity Notions in Peirce’s Diagrammatology -- Contributed Papers -- Simple Conceptual Graphs and Simple Concept Graphs -- Rules Dependencies in Backward Chaining of Conceptual Graphs Rules -- Thresholds and Shifted Attributes in Formal Concept Analysis of Data with Fuzzy Attributes -- Formal Concept Analysis with Constraints by Closure Operators -- Mining a New Fault-Tolerant Pattern Type as

an Alternative to Formal Concept Discovery -- The MIEL++ Architecture
When RDB, CGs and XML Meet for the Sake of Risk Assessment in Food
Products -- Some Notes on Proofs with Alpha Graphs -- DOGMA-MESS:
A Meaning Evolution Support System for Interorganizational Ontology
Engineering -- FCA-Based Browsing and Searching of a Collection of
Images -- Semantology: Basic Methods for Knowledge Representations
-- The Teridentity and Peircean Algebraic Logic -- Transaction Agent
Modelling: From Experts to Concepts to Multi-Agent Systems --
Querying Formal Contexts with Answer Set Programs -- Towards an
Epistemic Logic of Concepts -- Development of Intelligent Systems and
Multi-Agents Systems with Amine Platform -- Ontologies in Amine
Platform: Structures and Processes -- Building a Pragmatic
Methodology for KR Tool Research and Development -- Simple
Conceptual Graphs with Atomic Negation and Difference -- A Pattern-
Based Approach to Conceptual Clustering in FOL -- Karl Popper's
Critical Rationalism in Agile Software Development -- On Lattices in
Access Control Models -- An Application of Relation Algebra to Lexical
Databases -- A Framework for Analyzing and Testing Requirements
with Actors in Conceptual Graphs -- Query-Based Multicontexts for
Knowledge Base Browsing: An Evaluation -- Representation and
Reasoning on Role-Based Access Control Policies with Conceptual
Graphs -- Representing Wholes by Structure.

Sommario/riassunto

th The 14 International Conference on Conceptual Structures (ICCS 2006) was held in Aalborg, Denmark during July 16 – 21, 2006. Responding to the Call for Papers, we received 62 papers from 20 different countries, representing six different continents. This clearly indicates the international nature of the ICCS community as well as the widespread interest which was spawned by the previous conferences. By a thorough review process, 24 papers were selected to be included in this volume. In addition, six invited speakers made contributions which can be found in the first section of this volume. The theme of ICCS 2006—Conceptual Structures: Inspiration and Application— points to a dual focus of interest that is also reflected in the constellation of papers. From the beginning of the planning of this conference, we focused on inspirational sources that have led to the current state of research in our community, by tracing important historical influences which daily effect work in representing knowledge and in handling representations of conceptual structures. At the same time, we also focused on ways in which these legacies are employed to further advance theory and practice in the field of knowledge representation and processing. With this volume, we believe that a valuable contribution to both aspects of this field is being made. We wish to express our appreciation to all the authors of submitted papers, to the members of the Editorial Board and the Program Committee for all their work and valuable comments.
