Ontological Engineering With Examples From The Areas Of Knowledge Management E Commerce And The Semantic Web First Edition Advanced Information And Knowledge Processing

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Ontological Engineering With Examples From

Ontological Engineering and the Semantic Web
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©Asunción Gómez-Pérez, M Fernández-López, O Corcho 1 Ontological Engineering Asunción Gómez-Pérez Mariano Fernández-López Oscar Corcho {asun, mfernandez, ocorcho}@fiupmes
An Introduction to Ontology Engineering C. Maria Keet
tology engineering Indeed, there are books about ontology engineering, but they either promote one speci c ontology or methodology only, are

handbooks, or are conference proceedings There have been collaborative initiatives that aimed for a generic introduction, yet they have not made it to the writing stage Problems to

Ontological EngineeringOntological Engineering

Ontological EngineeringOntological Engineering Asunción Gómez-Pérez (asun@fiupmes) Mari Carmen Suárez -Figueroa (mcsuarez@fiupmes) Boris Villa ón (b illa@delicias dia fi pm es)Boris Villazón (bvilla@deliciasdiafiupmes) Work distributed under the license Creative Commons Attribution-Noncommercial-Share Alike 30

E-Learning Developing Using Ontological Engineering

2 Ontological Engineering from the Computer Science Perspective Ontologies are used in the fields of computer science as artificial intelligence, software engineering, semantic web, language processing Gruber [13] stated that ontology defines “a set of representational primitives with which to model a

Using Ontological Engineering for Developing Web-Based AI ...

ontological engineering approach in the domain of e-learning Section 2 discusses the perspective of computer science in ontological engineering Section 3 presents different ontologies in intelligent education systems Section 4 introduces an overview of the research issues for building ontologies

The Role of Ontological Engineering for AIED Research

sources Ontological engineering is a successor of knowledge engineering and is expected to be a key technology in the new generation of knowledge processing Let us consider the differences between two kinds of ontologies: Semantic Web (SW)-oriented ontol gy, and Concept-oriented ontology

ONTOLOGICAL ENGINEERING FROM THE INFORMATICS ...

Head of Artificial Intelligence and Knowledge Engineering Research Labs,Faculty of Computer and Information sciences, Ain Shams University, Cairo,Egypt abmsalem@yahoocom Abstract:In this report we present an introductory overview of ontological engineering from the informatics (computer science) perspective

Chapter 2 An Introduction to Ontologies and Ontology ...

2 An Introduction to Ontologies and Ontology Engineering 13 Language: Mind Map Mind Map were originally developed to support more efficient learning and evolved to a management technique used by numerous companies (Buzan 1974) Mind Map provides information about a topic that is structured in a tree (see Fig23 for example)

A METHODOLOGY OF ENGINEERING ONTOLOGY ...

development methodology that is based on ontological semantics and is integrated with Protégé, one of the most widely used ontology engineering tools The methodology is applied in acquiring the established engineering knowledge from various resources A preliminary test based on engineering

Notes on the Ontology of Design - University of California ...

III moves on to outline a concept of ontological design Initially proposed by Terry Winograd and Fernando Flores in the mid 1980s (1986), it has remained undeveloped so far Ontological design is presented as one possibility for contributing to the transition from the hegemony of

Ontology-Driven Re-engineering of Business Systems

be developed in further business based worked examples to illustrate how the methodology works and how the philosophical principles drive the methodolo-gy and analysis The examples will showcase how the use of BORO promotes flexibility and reuse of the re-engineered models Keywords:

Ontology-driven re-engineering, BORO, foundational ontology,

FINAL DRAFT - Boro

implementing ontological architectures, particularly the BORO ontology The se-cond section below introduces this Which kind of M&S system benefits from using an ontology? M&S is a broad church with a variety of types of member It is used in both sci-ence and engineering Well known examples in science are the billiard ball model

is-a

analyze the reasons why Other topics are basic ontological distinction, part-of relation, and so on As an advanced example of ontology, an ontology of representation is extensively discussed To conclude this tutorial, a success story of ontological engineering is presented It is concerned with a

Ontological Theory for Ontological Engineering: ...

from Proceedings of the Ninth International Conference on the Principles of Knowledge Representation and Reasoning (KR2004), Whistler, BC, 2-5 June 2004 Ontological Theory for Ontological Engineering: Biomedical Systems Information Integration James M Fielding1,2, Jonathan Simon1, Werner Ceusters2, Barry Smith1,3 1Institute for Formal Ontology and Medical Information Sciences, …

Understanding and Applying Research Paradigms in ...

Understanding and Applying Research Paradigms in Educational Contexts Associate Professor Charles Kivunja1 (PhD) & Associate Professor Ahmed Bawa Kuyini2 (PhD) 1 University of New England, Australia 2 United Arab Emirates University, United Arab Emirates Correspondence: Associate Professor Charles Kivunja, (PhD), University of New England

Ontology-based Active Requirements Engineering ...

Ontology-based Active Requirements Engineering Framework Seok Won Lee and Robin A Gandhi Department of Software and Information Systems The University of North Carolina at Charlotte, Charlotte, NC 28223, USA {seoklee, rgandhi}@unccedu Abstract Software-intensive systems are systems of systems that rely on complex interdependencies among

New Metaphors for New Understandings: Ontological ...

New Metaphors for New Understandings: Ontological Questions about Developing Grounded Theories in Engineering Education Abstract: Engineering education scholars have demonstrated an interest in broadening the scope of the field in multiple ways, …

Social engineering thesis final 2

Social engineering risk management is a process, influenced by an organizations management and other personnel, applied across the organization, designed to identify social engineering risk and manage this risk to be below the predefined security level, to provide reasonable assurance regarding the achievement of an organizations objectives

Victor Raskin Developing Engineering Ontology for ...

users' needs in the engineering domain Therefore, we propose a new computational framework that includes an ontological basis and algorithms to retrieve unstructured engineering documents while handling complex queries The results from the preliminary test demonstrate that our method outperforms the traditional keyword-based search with