

# Uncertainty Reasoning For The Semantic Web Iii Iswc International Workshops Ursw 2011 2013 Revised Selected Papers Lecture Notes In Computer Science

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## **Uncertainty Reasoning For The Semantic**

In this paper, I first provide some motivating examples for handling uncertainty and/or vagueness in the Semantic Web. I then give an overview of some own recent formalisms for handling uncertainty and/or vagueness in the Semantic Web. Keywords Description Logic Probabilistic Knowledge Shopping Agent Uncertainty Reasoning ...

## **Uncertainty Reasoning for the Semantic Web | SpringerLink**

Abstract. Partial knowledge about geospatial categories is critical for knowledge modelling in the geospatial domain but is beyond the scope of conventional ontologies. Degree of overlaps between geospatial categories, especially those based on

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## **(PDF) Uncertainty Reasoning for the Semantic Web | Claudia ...**

Uncertainty Reasoning for the Semantic Web Thomas Lukasiewicz Computing Laboratory, University of Oxford, UK thomas.lukasiewicz@comlab.ox.ac.uk. Outline 1 Uncertainty in the Web 2 Semantic Web 3 Probabilistic DLs Motivation Probabilistic Logics P-SHIF(D) and P-SHOIN(D) 4 Probabilistic DL-Programs

## **Uncertainty Reasoning for the Semantic Web**

Towards uncertainty reasoning in the Rules, Logic, and Proof layers of the Semantic Web, we present a novel approach to probabilistic description logic programs, which combine probabilistic logic ...

## **Uncertainty Reasoning for the Semantic Web | Request PDF**

Uncertainty reasoning for the Semantic Web based on Dempster-Shafer model. Conference Paper ... It is well known that uncertainty reasoning is a hot spot in artificial intelligence.

## **(PDF) Uncertainty reasoning for the Semantic Web based on ...**

Uncertainty and vagueness are important in the Semantic Web! Many existing proposals for extensions of Semantic Web languages (RDF, OWL, DLs, rules, and DL rules) by uncertainty and vagueness. In the following, some own such proposals: I probabilistic DLs, I probabilistic Datalog+/-, I probabilistic ontological data exchange, I probabilistic ...

## **Uncertainty Reasoning for the Semantic Web**

Uncertainty Representation and Reasoning in the Semantic Web: 10.4018/978-1-60566-112-4.ch013: This chapter is about uncertainty representation and reasoning for the Semantic Web (SW). We address the importance, key issues, state-of-the-art approaches

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Uncertainty reasoning for the "big data" semantic web Abstract: The Semantic Web introduces the concept of machine-oriented information, i.e. information that can be processed by machines or agents without human intervention. In order to achieve this, ...

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## **Uncertainty Reasoning for the Semantic Web I: ISWC ...**

Uncertainty Reasoning for the Semantic Web Lukasiewicz, Thomas; Abstract. Significant research activities have recently been directed towards the Semantic Web as a potential future substitute of the current World Wide Web. Many experts predict that the next ...

## **Uncertainty Reasoning for the Semantic Web - NASA/ADS**

Uncertainty Reasoning for the Semantic Web Sunday, October 23rd - 09:00 - 18:00 - Room: Rheinaue. This workshop will discuss the different ways in which the different types of uncertainty reasoning can contribute to enhance Semantic Web languages, protocols, and specifications, and to evaluate the strengths and weaknesses of different approaches to representing and reasoning under uncertainty.

## **The 10th International Semantic Web Conference ...**

The problem with proposed uncertainty extensions to Semantic Web languages is that uncertainty comes in many flavors, so there couldn't be just one global extension. For uncertainty resulting from incomplete or distorted knowl-edge, you might

assign possibility degrees to the possible alternatives. For uncertainty resulting from our inability to

### **Uncertainty and the Semantic Web**

The present volume represents the first comprehensive compilation of state-of-the-art research approaches to uncertainty reasoning in the context of the semantic Web, capturing different models of uncertainty and approaches to deductive as well as inductive reasoning with uncertain formal knowledge.

### **Uncertainty Reasoning for the Semantic Web I | SpringerLink**

Uncertainty Reasoning for the Semantic Web II: International Workshops URSW 2008-2010 Held at ISWC and UniDL 2010 Held at Floc, Revised Selected Papers (Lecture Notes in Computer Science (7123)) [Bobillo, Fernando, Costa, Paulo Cesar G., d'Amato, Claudia, Fanizzi, Nicola, Laskey, Kathryn B., Laskey, Kenneth J., Lukasiewicz, Thomas, Nickles, Matthias, Pool, Michael] on Amazon.com. \*FREE ...

### **Uncertainty Reasoning for the Semantic Web II ...**

CiteSeerX - Document Details (Isaac Councill, Lee Giles, Pradeep Teregowda): In this paper we explore some of the opportunities and challenges for machine learning on the Semantic Web. The Semantic Web provides standardized formats for the representation of both data and ontological background knowledge. Semantic Web standards are used to describe meta data but also have great potential as a ...

### **CiteSeerX — Uncertainty Reasoning for the Semantic Web**

on Uncertainty Reasoning for the Semantic Web (URSW 2014), held as a part of the 13th International Semantic Web Conference (ISWC 2014) at Riva del Garda, Italy, October 19, 2014. 4 technical papers and 1 position paper were accepted at URSW 2014. Furthermore, there was a special session on Methods for Establishing Trust of

### **10th International Workshop on Uncertainty Reasoning for ...**

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This book constitutes the thoroughly refereed first three workshops on Uncertainty Reasoning for the Semantic Web (URSW), held at the International Semantic Web Conferences (ISWC) in 2005, 2006, and 2007. The 22 papers presented are revised and strongly extended versions of selected workshops

## **Uncertainty Reasoning for the Semantic Web I - ISWC ...**

uncertainty reasoning community and the Semantic Web community. Effective methods for reasoning under uncertainty are vital for realizing many aspects of the Semantic Web vision, but the ability of current-generation Web technology to handle uncertainty is extremely limited. Thus, there is a continuing demand

## **9th International Workshop on Uncertainty Reasoning for ...**

...

Uncertainty Representation and Reasoning in the Semantic Web: 10.4018/978-1-60566-982-3.ch100: This chapter is about uncertainty representation and reasoning for the Semantic Web (SW). We address the importance, key issues, state-of-the-art approaches

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