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Semantic Web Technologies For E Learning: Models and Implementation
223 systems; (5) authoring of the educational content, instructional process, adaptation, and personalization. Theaimofourresearchist ocreateamodelfore-learningbasedonsem anticwebtech-nologies and link it to the architectureof the educationalsystem, as well as to present the

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To accomplish this matter, we can use semantic web technologies that enable storing of information for application consumption, data is defined and organized to form rich expressions, integration ...

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(PDF) Semantic Web Technologies for e-Learning

Semantic Web technologies aim to define and interconnect data in a way similar to that in which traditional web technologies define and interconnect web pages. In the case of the traditional Web, each web page can be considered a unit of information or entity and pages are explicitly linked using HTML links.

Semantic Web Technology - an overview | ScienceDirect Topics

Semantic Web Technologies for e-Learning: Models and Implementation 237 object design, describing the activities and methods used and outcomes of each stage. The

Semantic Web Technologies for e-Learning: Models and ...

This book outlines the latest research, theoretical and technological advances, and applications of semantic web and web 2.0 technologies in e-learning. It provides a guide for researchers and

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developers to the present and future tendencies of research in this field.

IOS Press Ebooks - Semantic Web Technologies for e-Learning

Semantic Web (SW) technologies is capable of facilitating the management and sharing of knowledge and promote semantic interoperability among healthcare information systems.

Semantic Web Technologies for Sharing Clinical Information ...

Semantic Web is a maturing field of technology that continues to be the emphasis of much focused research. This foundational text introduces the standardized knowledge representation languages for modeling ontologies operating at the core of the semantic web.

Introduction to Semantic Web Technologies

From a technical point of view, the Semantic Web consists primarily of three

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technical standards: RDF (Resource Description Framework): The data modeling language for the Semantic Web. SPARQL (SPARQL Protocol and RDF Query Language): The query language of the Semantic Web. OWL (Web Ontology ...

Introduction to the Semantic Web - Cambridge Semantics

Semantic Technology defines and links data on the Web (or within an enterprise) by developing languages to express rich, self-describing interrelations of data in a form that machines can process. Thus, machines are not only able to process long strings of characters and index tons of data.

What is Semantic Technology?

Semantic Web technologies enable the explicit representation of knowledge and its further processing to deduce new knowledge from implicitly hidden knowledge. Thus, information access and information search will be more

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precise and more complete compared to today's traditional information retrieval technology.

Semantic Web Technologies | openHPI - MOOCs

The Semantic Web is an extension of the World Wide Web through standards set by the World Wide Web Consortium (W3C). The term was coined by Tim Berners-Lee for a web of data (or data web) that can be processed by machines—that is, one in which much of the meaning is machine-readable.

Semantic Web - Wikipedia

This book outlines the latest research, theoretical and technological advances, and applications of semantic web and web 2.0 technologies in e-learning. It provides a guide for researchers and developers to the present and future tendencies of research in this field.

IOS Press

Semantic web technologies namely

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allow to represent information in structured graphs and efficiently integrate building information of an entirely different nature (e.g. GIS data, FM data, city data, material repositories, regulation data, cadaster data).

Semantic web technologies in AEC industry: A literature ...

Outlines the research, theoretical and technological advances, and applications of semantic web and web 2.0 technologies in e-learning. This book incorporates some papers from the International Workshop on Ontologies and Semantic Web in e-Learning (SWEL).

Semantic Web technologies for e-learning (eBook, 2009 ...

Semantic Web technologies are a set of technologies that happen to be especially well-suited for implementing semantic technology algorithms and solutions. Collectively, Semantic Web technologies are a toolbox; as such, they can be used to implement a wide variety

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of algorithms, solutions, and applications.

Semantic Technologies Compared - Cambridge Semantics

The ultimate goal of semantic technology is to help machines understand data. To enable the encoding of semantics with the data, well-known technologies are RDF (Resource Description Framework) and OWL (Web Ontology Language). These technologies formally represent the meaning involved in information.

Semantic technology - Wikipedia

The collection of Semantic Web technologies (RDF, OWL, SKOS, SPARQL, etc.) provides an environment where application can query that data, draw inferences using vocabularies, etc.

Linked Data - World Wide Web Consortium (W3C)

The Semantic Web is a mesh of data that are associated in such a way that

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they can easily be processed by machines instead of human operators. It can be conceived as an extended version of the existing World Wide Web, and it represents an effective means of data representation in the form of a globally linked database.

What is Semantic Web? - Definition from Techopedia

--An intelligent framework for assessemnt systems / Sonja D. Radenkovic, Vladan Devedzic and Nenad Krdzavac --PhiloSurfical : an ontological approach to support philosophy learning / Michele Pasin nd Enrico Motta --Comparative evaluation of ASPL, semantic platform for e-learning / Martin Dzbor and Dnyanesh G. Rajpathak --E-learning and the ...

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