An Ontological Framework For Representing Topological

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An Ontological Framework For Representing
An Ontological Framework for Representing Topological Information in Human Anatomy. An Ontological Framework for Representing Topological Information in Human Anatomy. Takeshi IMAI, Kazuhiko OHE. Graduate School of Medicine, The University of Tokyo Tokyo, JAPAN. Emiko SHINOHARA, Masayuki KAJINO, and Ryota SAKURAI.

An Ontological Framework for Representing Topological ...
3. The ontological framework 3.1. Ontologies in medical domains. Ontologies have been used for representing knowledge in clinical domains, although they have been used for different purposes. In this section, some examples are mentioned. In Schulz and Hahn (2001), an ontology engineering

An ontological framework for representing and exploiting ...
An ontological framework for representing and exploiting ... For this rea-son, this paper proposes an ontological framework, which en-ables the encoding of clinical guidelines from text to a formal representation, in order to allow querying, advanced reason-ing and management

An Ontological Framework For Representing Topological
The TXPO specifies a functioning process based on a function decomposition framework. In an ontological engineering approach, a device (system) consists of sub-devices (sub-systems). In a function...

Ontological approach to the knowledge systematization of a ...
Ontological Framework for representation of Tractable Flavor. Ontological Framework for representation of Tractable Flavor: Food Phenotype, Sensation, Perception. Tarini Naravane. Biological and Agricultural Systems Engineering UC Davis Davis, California,US tnaravane@ucdavis.ed. Matthew Lange.

Food Phenotype, Sensation, Perception. Ontological ...
In computer science and information science, an ontology encompasses a representation, formal naming and definition of the categories, properties and relations between the concepts, data and entities that substantiate one, many or all domains of discourse. More simply, an ontology is a way of showing the properties of a subject area and how they are related, by defining a set of concepts and categories that represent the subject. Every academic discipline or field creates ontologies to limit com

Ontology (information science) - Wikipedia
Ontology is a descriptive model representing reality by a set of concepts, their interrelations, and constraints. On the other hand, metamodel is a more classical, but more powerful model in which concepts and relationships are represented in a prescriptive way.

An ontological metamodeling framework for semantic ...
In order to make decisions when dealing with complex problems related to social systems and take advantage of social intelligence, cooperative games theory constitutes the standard theoretical framework. In the present work, an ontological framework for cooperative games modeling and simulation is presented.

An Ontological Framework for Cooperative Games | SpringerLink
We have established an ontological modeling framework, whose features include: An extended device ontology: refined device ontology for capturing behaviors of components [24] . A functional concept ontology: to provide generic functional concepts representing verbs of functions in is-a hierarchies [21] .

Deployment of an ontological framework of functional ...
MachineProse is an ontological framework for scientific assertions that conceptualizes the domain of scientific assertions and offers numerous distinct advantages over current approaches. For proof of concept, we have chosen to focus on the area of allergy and immunology, but the approach is applicable to any scientific domain and has the potential to enhance the interdisciplinary exchange of scientific discoveries.

MachineProse: an Ontological Framework for Scientific ...
ontologies are widely used to represent user profiles in personalized web information retrieval. However, when representing user profiles, many models have utilized only knowledge from either a global knowledge base or user local information. In this proposed project, a personalized ontology

Personalized Ontological Framework for Web Information ...
An ontological framework for representing topological information in human anatomy. In: Proc international conference on biomedical ontology BioCreative (ICBO-BioCreative 2016), Corvallis, USA, August 1–4, 2016 CEUR Work Proceedings, vol. 1747; 2016. p. 3–8.

Auto-Generated Physiological Chain Data for an Ontological ...
The ontological problem-solving framework uses a reasoning process that leverages knowledge management techniques, such as semantic data modeling with ontologies, to address the challenge of matching sensors to compatible algorithms to form synthesized systems capable of satisfying a task.

Ontological Problem-Solving Framework for Dynamically ...
LexGrid: A Framework for Representing, Storing, and Querying Biomedical Terminologies from Simple to Sublime. Jyotishman Pathak, Harold R. Solbrig, James D. Buntrock, Thomas M. Johnson, Christopher G. Chute. Health Sciences Research.

LexGrid: A Framework for Representing, Storing, and ...
Ontology-based semantic networks provide common structured representation of knowledge. Its basic idea is to represent domain knowledge in the form of labeled graphs, whose nodes represent entities or concepts, whereas edges represent semantic relationships between these concepts . The development of the TCM theory has been deeply influenced by the Chinese traditional philosophies in the past centuries, it was provided with rich oriental cultural connotation.

An ontological framework for the formalization ...
Specifically, an ontological framework connects sounds to each other based on a measure of perceptual similarity, tags are linked based on a measure of semantic similarity, while tags and sounds are connected by optimizing link weights given user preference data.

An Ontological Framework for Retrieving Environmental ...

Other ontological development environments could have been used for the prototype development, such as Protégé with JESS and SWRL [1-7]. Figure 3 shows the overall framework of the ontological problem-solving system. Figure 3. Overview of the laboratory prototype ontological problem-solving framework. 2. Assigning Systems to Missions