

Linguistic expression-OS

// Metadata

Name	Linguistic expression-OS
Keywords	Text, Publication, Noun, Common noun, Name, Acronym
Creation date	September 12 th , 2008
Last modification date	May 23 th , 2009
Revisions made in v1.1	<ul style="list-style-type: none">- The concepts 'Publishing', 'Publisher' and 'Scientific publisher' have been added.- The relations 'is publisher of' and 'is published by' have been added.- The concept 'Version number' and the relation 'is a version number of' have been added.
Has contributor	Gilles Kassel
Used ontology engineering methodology	OntoSpec
Is of type	Core ontology
Natural language	English
Has ontology language	OntoSpec
Has formality level	Semi-informal
Ressource locator	http://www.laria.u-picardie.fr/IC/site/IMG/pdf/Linguistic_expression-OS.pdf
Version	1.1
Number of concepts (classes)	15
Number of relations (properties)	8

// Relations

Has for name

Properties

[EP/DR & RR] A PARTICULAR *has for name* a NAME. [EP/IVL] *Has for name* mutually implies *is the name of*.

Has for publication date

Properties

[EP/DR & RR] A PUBLICATION *has for publication date* a DATE.

Is published by

Properties

[EP/DR & RR] A PUBLICATION *is published by* a PUBLISHER. [EP/ER] *x is published by y* iff there exist a PUBLISHING *z* and a TIME INTERVAL *t* such that *x is affected by z at t* and *z has for agent y at t*. [EP/IVL] *Is published by* mutually implies *is publisher of*.

Is publisher of

Properties

[EP/DR & RR] A PUBLISHER *is publisher of* an PUBLICATION. [EP/ER] *x is publisher of y* iff there exist a PUBLISHING *z* and a TIME INTERVAL *t* such that *x is agent of z at t* and *z affects y at t*. [EP/IVL] *Is publisher of* mutually implies *is published by*.

Is the name of

Properties

[EP/DR & RR] A NAME *is the name of* a PARTICULAR. [EP/IVL] *Is the name of* mutually implies *has for name*.

Is the model name of

Properties

[EP/DR & RR] A MODEL NAME *is the model name of* a MANUFACTURED OBJECT. [EP/SL] *x is the model name of y* implies that *x is the name of y*. [EP/IVL] *Is the model name of* mutually implies *has for model name*.

Is the serial number of

Properties

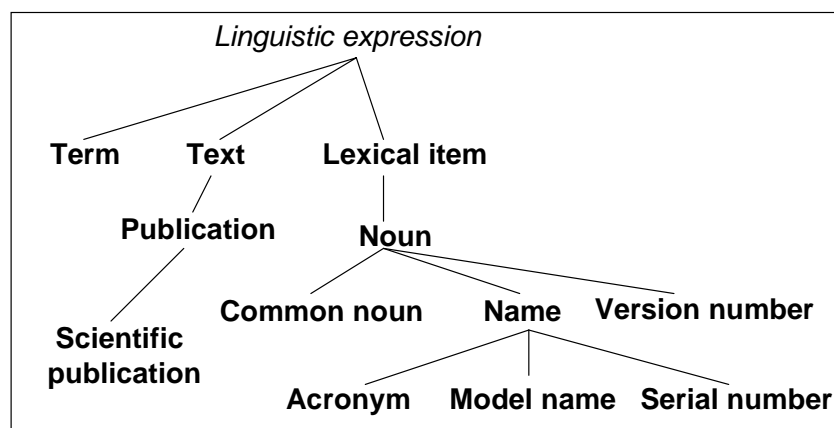
[EP/DR & RR] A SERIAL NUMBER *is the serial number of* a MANUFACTURED OBJECT. [EP/SL] *x is the serial number of y* implies that *x is the name of y*. [EP/IVL] *Is the serial number of* mutually implies *has for serial number*.

Is a version number of

Properties

[EP/DR & RR] A VERSION NUMBER *is a version number of* an ARTEFACT. [EP/IVL] *Is a version number of* mutually implies *has for version number*.

// Concepts



Term

Meta-properties

TERM is RIGID (+**R**). TERM is CARRYING AN IDENTITY CRITERION (+**I**). TERM is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SL] A TERM is a LINGUISTIC EXPRESSION. [EP/ER] Every TERM *expresses* at least one CONCEPT *at* a TIME INTERVAL.

Text

Meta-properties

TEXT is RIGID (+**R**). TEXT is CARRYING AN IDENTITY CRITERION (+**I**). TEXT is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SL] A TEXT is a LINGUISTIC EXPRESSION. [EP/ER] Every TEXT *expresses* at least one PROPOSITION *at* a TIME INTERVAL. [EP/ICL] No TEXT is a TERM.

Publication

Meta-properties

PUBLICATION is RIGID (+**R**). PUBLICATION is CARRYING AN IDENTITY CRITERION (+**I**). PUBLICATION is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SLD] A PUBLICATION is an EXPRESSION which *is published by* a PUBLISHER *at* a TIME INTERVAL. [CP/ER] Every PUBLICATION *has for publication date* a DATE.

Scientific publication

Meta-properties

SCIENTIFIC PUBLICATION is RIGID (+**R**). SCIENTIFIC PUBLICATION is CARRYING AN IDENTITY CRITERION (+**I**). SCIENTIFIC PUBLICATION is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SLD] A SCIENTIFIC PUBLICATION is a PUBLICATION which *is published by* a SCIENTIFIC PUBLISHER *at* a TIME INTERVAL.

Lexical item

Meta-properties

LEXICAL ITEM is RIGID (+**R**). LEXICAL ITEM is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SL] A LEXICAL ITEM is a LINGUISTIC EXPRESSION which is part of the lexicon of some natural language.

Noun

Meta-properties

NOUN is RIGID (+**R**). NOUN is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SL] A NOUN is a LEXICAL ITEM formed by a WORD or a GROUP OF WORDS, which allows designating either a class of entities (common nouns) or an individual entity (proper names). [EP/ER] Every NOUN is an ARTEFACT OF DESIGNATION.

Common noun

Meta-properties

COMMON NOUN is RIGID (+**R**). COMMON NOUN is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SL] A COMMON NOUN is a NOUN which allows designating either a class of entities.

Name, proper name, proper noun

Meta-properties

NAME is RIGID (+**R**). NAME is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SL] A NAME, or PROPER NAME, or PROPER NOUN, is a NOUN which allows designating an individual entity. [EP/ER] Every NAME *is the name of* a PARTICULAR.

Comments

[DIV] Names are used to designate people but also nameable entities such as pets, computer programs, organizations, products, etc.

Acronym

Meta-properties

ACRONYM is RIGID (+**R**). ACRONYM is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SL] An ACRONYM is a short NAME.

Comments

[DIV] When the name of an entity consists of many words, often an acronym is formed out of the first letter of each word in the name and this acronym is used to refer to the thing instead of the full name.

Model name

Meta-properties

MODEL NAME is RIGID (+**R**). MODEL NAME is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SLD] A MODEL NAME is a NAME which *is the model name of* a MANUFACTURED OBJECT.

Serial number

Meta-properties

SERIAL NUMBER is RIGID (+**R**). SERIAL NUMBER is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SLD] An SERIAL NUMBER is a NAME which *is the serial number of* a MANUFACTURED OBJECT.

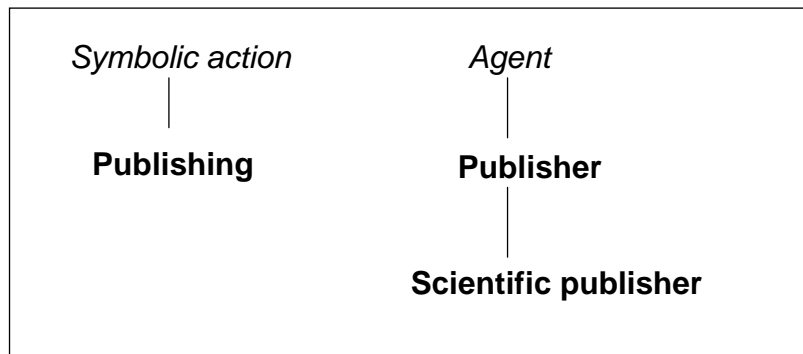
Version number

Meta-properties

VERSION NUMBER is RIGID (+**R**). VERSION NUMBER is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SLD] A VERSION NUMBER is a NOUN which *is a version number of* an ARTEFACT.



Publishing

Meta-properties

PUBLISHING is RIGID (+**R**). PUBLISHING is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SL] PUBLISHING is a SYMBOLIC ACTION.

Comment

[DEF] To publish is to choose, arrange, have printed, and offer for sale to the public some kind of written work in the form of a book, magazine, newspaper, etc.

Publisher

Meta-properties

PUBLISHER is ANTI-RIGID (~**R**). PUBLISHER is NOT CARRYING AN IDENTITY CRITERION (-**I**). PUBLISHER is NOT CARRYING A COMMON UNITY CRITERION (-**U**). PUBLISHER is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SLD] A PUBLISHER is an AGENT which *is agent of* a PUBLISHING at a TIME INTERVAL.

Scientific publisher

Meta-properties

SCIENTIFIC PUBLISHER is ANTI-RIGID (~**R**). SCIENTIFIC PUBLISHER is NOT CARRYING AN IDENTITY CRITERION (-**I**). SCIENTIFIC PUBLISHER is NOT CARRYING A COMMON UNITY CRITERION (-**U**). SCIENTIFIC PUBLISHER is EXTERNALLY-DEPENDENT (+**D**).

Properties

[EP/SLD] A SCIENTIFIC PUBLISHER is a PUBLISHER.