# Classes

**Area**

**Article**

Article $\sqsubseteq$ Publication

**Article$_{in Journal}$**

Article_in_Journal $\sqsubseteq$ Article

**Article$_{in Proceedings}$**

Article_in_Proceedings $\sqsubseteq$ Article

**Book**

Book $\sqsubseteq$ Publication

**Doctoral$_{Dissertation}$**

Doctoral_Dissertation $\sqsubseteq$ Thesis

**Document**

Document $\sqsubseteq$ $\exists$ hasTitle
Document $\sqsubseteq$ $\exists$ hasAuthor Person
Document $\sqsubseteq$ Thing

**Edited$_{Book}$**

Edited_Book $\sqsubseteq$ Book

**Edited$_{Publication}$**

Edited_Publication $\sqsubseteq$ Publication

**Journal**

Journal $\sqsubseteq$ Serial_Publication

**Keyword**

**Master$_{Thesis}$**

Master_Thesis $\sqsubseteq$ Thesis

**Organization**

**Person**

**Procedings**

Procedings $\sqsubseteq$ Publication

**Publication**

Publication $\sqsubseteq$ Document

**Referee**

Referee $\sqsubseteq$ Person

**Serial$_P ublication$**

Serial_Publication $\sqsubseteq$ Publication

**Thesis**

Thesis $\sqsubseteq$ Publication

**Thing**

**TopicCluster**

**Webpage**

Webpage $\sqsubseteq$ Document

# Object properties

**cites**

$\exists$ cites Thing $\sqsubseteq$ Document
$\top \sqsubseteq \forall$ cites Document

**expertIn**

$\exists$ expertIn Thing $\sqsubseteq$ Person
$\top \sqsubseteq \forall$ expertIn Area

**hasAffliation**

$\exists$ hasAffliation Thing $\sqsubseteq$ Person

## hasAuthor

¡http://www.semanticweb.org/ontologies/2011/7/publication.owlisAuthorOf¿ ≡ ¡http://www.semanticweb.org/ontologie
∃ hasAuthor Thing ⊑ Document
⊤ ⊑ ∀ hasAuthor Person

## hasKeyword

∃ hasKeyword Thing ⊑ Document
⊤ ⊑ ∀ hasKeyword Keyword

## hasMember

¡http://www.semanticweb.org/ontologies/2011/7/publication.owlmemberOf¿ ≡ ¡http://www.semanticweb.org/ontologies
∃ hasMember Thing ⊑ Area
⊤ ⊑ ∀ hasMember Keyword

## inArea

∃ inArea Thing ⊑ Document
⊤ ⊑ ∀ inArea Area

## isAuthorOf

¡http://www.semanticweb.org/ontologies/2011/7/publication.owlisAuthorOf¿ ≡ ¡http://www.semanticweb.org/ontologie

## memberOf

¡http://www.semanticweb.org/ontologies/2011/7/publication.owlmemberOf¿ ≡ ¡http://www.semanticweb.org/ontologies

# Data properties

**firstname**

**hasTitle**

**lastname**

**publishedYear**

**topDataProperty**

# Individuals

**Answer**$_{set Programming}$

Answer_Set_Programming : Keyword

**Area1**

Area1 : Area

**Area2**

Area2 : Area

**Area3**

Area3 : Area

**Area4**

Area4 : Area

**Beleif**$_R$*evision*

Beleif_Revision : Keyword

**Default**$_R$*easoning*

Default_Reasoning : Keyword

**Frame**$_S$*ystems*

Frame_Systems : Keyword

**Nonmotonic**$_R$*easoning*

Nonmotonic_Reasoning : Keyword

**OWL**

OWL : Keyword

**Ontologies**

Ontologies : Keyword

**Semantic**$_W$*eb*

Semantic_Web : Keyword

**eiter**

eiter : Person

**paper1**

paper1 : Article_in_Proceedings
hasKeyword(paper1, Answer_Set_Programming)
hasKeyword(paper1, Ontologies)
hasKeyword(paper1, Nonmotonic_Reasoning)
hasAuthor(paper1, eiter)
hasKeyword(paper1, Semantic_Web)

**paper2**

paper2 : Article_in_Proceedings

**paper3**

paper3 : Article_in_Proceedings
org.coode.owlapi.latex.LatexWriter@5e6a1140