

Podstawy Inżynierii Wiedzy - Semantic Web

Sprawozdanie 6:

Semantic Web Applications: Semantic Wikis

Łukasz Zaucha
10 czerwiec 2012

2 Semantic MediaWiki - Categories

<http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group1400/zluzasz>

My name is Łukasz Zaucha. I am 24 years old.

Currently I study at AGH UST, faculty of applied informatics.

I belong to group 14:00 Wednesday .

[[Category:Student]]

<http://loki.ia.agh.edu.pl/smw/index.php/AGH-UST/Subjects/subjectIS2012>

[[Category: University subject]]

3 Semantic MediaWiki – Properties

My name is [[Name::Łukasz Zaucha]]. I am [[Age::24]] years old.

Currently I study at AGH UST, faculty of applied informatics.

I belong to group [[Group::group1400|14:00]] .

[[Category:Student]]

lead by: [[lead by::prof Kowalski]]

room: [[room::B1 212]]

duration: [[duration::90]] min

[[Category: University subject]]

4 Semantic MediaWiki - Inline queries

4.2 Students that are members of my group (unordered list)

```
{{#ask: [[Category:Student]] [[Group::group1400]]
| ?name
| intro=List of students in my group:
| format=ul
}}
```

4.3 Students that are members of my group (table)

```
{{#ask: [[Category:Student]] [[Group::group1400]]
| ?name
| ?age
| sort=age,name
| order=asc,asc
| intro=List of students in my group:
| format=table
| default=nothing found in Category:Student
}}
```

5 Loki – Introduction

<http://loki.ia.agh.edu.pl/lokidev/city:tarnow>

Tarnow is a [[category:city|city]] in south
[[located in::countries:PolandT|Poland]] inhabited by
[[inhabited by:=population:=114 635]] people. Tarnow
[[has city rights since:=year:=1330|has city rights since 1330]].

[[page created:=2012-06-10| Dodano : 2012-06-10]]

<http://loki.ia.agh.edu.pl/lokidev/countries:polandt>

Poland is a [[category:country]] in central
[[located in::continent:Europe]] and [[inhabited by:=population:=38 501 000|inhabited
by 38 501 000 people]].

Poland borders with [[countries:germany|Germany]],
[[countries:czechrepublic|Czech Republic]],
[[countries:slovakia|Slovakia,]],
[[countries:ukraine|Ukraine]],
[[countries:belarus|Belarus]],
[[countries:lithuania|Lithuania]].

Poland [[has access:=sea:=Baltic Sea|has access to the Baltic
Sea]].

[[page created:=2012-06-10| Dodano : 2012-06-10]]

7 Loki - Semantic Web Standards

Thriller wydany po 2010r :

```
<pl format="sparql">
PREFIX wiki: <>
SELECT ?title ?genre ?year
WHERE {
    ?movie category "movie".
    ?movie wiki:title ?title.
    ?movie wiki:genre ?genre.
    ?movie wiki:production_year ?year.
    FILTER (?genre = "genres:thriller" && ?year > 2010).
}
ORDER BY ?title
</pl>
```

8 Loki – Reasoning

Filmy przygodowe Stevena Spielberga

===My recommendations===

~~NOCACHE~~

```
<pl goal="
wiki_category(X,'movie'),
wiki_attribute(X,'title',Y),
wiki_relation(X,'genre','genres:adventure'),
wiki_relation(X,'directed_by','persons:steven_spielberg'),
write(Y),nl,fail" scope="movies"></pl>
```