

ŁUKASZ ŚWIDER
MICHAŁ JASIURA

Sprawozdanie 6:

Semantic Web Applications: Semantic Wikis

2. Semantic MediaWiki – Categories

- <http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group1530/lswider>

My name is Łukasz Świder . I am 23 years old.

Currently I study at AGH UST, faculty of electrical engineering.

I belong to group 1530. The other members of my group are: Michał Jasiura

[[Category:Student]]

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

[[Category:University subject]]

3. Semantic MediaWiki – Properties

- <http://loki.ia.agh.edu.pl/smw/index.php/Piw2012/group1530/lswider>

My name is [[name::Łukasz Swider]]. I am [[age::23]] years old.

Currently I study at AGH UST, faculty of electrical engineering.

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[[Category:Student]]

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

[[Category:University subject]]

lead by: [[lead by::prof Stobiecki]]

room: [[room::C1 121]]

duration: [[duration::90]] min

4. Semantic MediaWiki - Inline queries

- unsorted list

```
{{#ask: [[Category:Student]] [[group::1530]]
| ?name
| format=ul
}}
```

- table

```
{{#ask: [[Category:Student]] [[group::1530]]
| ?name
| ?age
| sort=age,name
| order=ascending,ascending
| default=none
}}
```

6.2 Loki - Use Cases: Geographic Wiki

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

London is the capital and largest [[category:city]] of [[capital of::country:United Kingdom]]. It is inhabited by [[inhabited by:=population:=7825200]] people and covers an area of [[area:=1570]] square kilometers.

- http://loki.ia.agh.edu.pl/lokidev/country:united_kingdom

The United Kingdom of Great Britain and Northern Ireland (commonly known as the United Kingdom, the UK, or Britain) is an european [[category:country]] located off the north-western coast of continental Europe. Capital city of United Kingdom is [[capital::city:london|London]].

7. Loki - Semantic Web Standards

- <http://loki.ia.agh.edu.pl/lokidev/user:lswider>

```
Five biggest cities
<pl format="sparql">
PREFIX wiki: <>
SELECT ?location ?area
WHERE {
    ?location category "city".
    ?location wiki:area ?area.
}
ORDER BY DESC(?area)
LIMIT 5
</pl>
```

8. Loki - Reasoning

- <http://loki.ia.agh.edu.pl/lokidev/user:lswider>

```
==== My reccomendations ====
```

```
=== My favourite books ===
```

```
~~NOCACHE~~
```

```
<pl
goal="wiki_category(X, 'book'), wiki_attribute(X, 'title', Y), wiki_relat
ion(X, 'genre', 'bookstore:genre:science'), write(Y), nl, fail"
scope="bookstore:book">
</pl>
```