

# Ask the Wiki

An Approach for Semantic Search in SMW

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# Ask the Wiki

End-user oriented expressive search over structured data in SMW



## Search Process:

1. User expresses information needs in **keyword queries**
2. Query interpretation
  - Automated translation into **structured, conjunctive queries (SPARQL)**
  - User selects intended interpretation
  - Query processing using a **triple store**
3. Result presentation and refinement
  - **Structured answers** as results (tuple sets)
  - **Faceted browsing** to refine queries and results

## Types of queries:

- Search for **entities**: Find the page describing Rudi Studer: "*Rudi Studer*"
- Search for single **facts**: Find the capital of Germany: "*capital Germany*"
- Search for sets of **tuples**: Find conferences taking place in Greece with deadlines:  
"conference *Greece deadline*"

Try it at: <http://semanticweb.org/wiki/Special:ATWSpecialSearch>

# 1. Entering Keywords

Peter my talk my preferences my watchlist my contributions log out

special

## Ask The Wiki

Step 1: Enter keywords → Step 2: Choose interpretation → Step 3: View and refine results

- Enter keywords for your search
- For example you might enter *rudi phone*, *country europe population*, *member aiftb email*, or *editor license homepage status*.

Semantic Wiki Search<sup>beta</sup>

 

Tomcat:HTTP/1.1 200 OK

0.01 sec

Got feedback? email daniel! 

# 2. Choosing the Interpretation

 Peter [my talk](#) [my preferences](#) [my watchlist](#) [my contributions](#) [log out](#)

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## Ask The Wiki

[New Search](#) | Step 1: Enter keywords → **Step 2: Choose interpretation** → Step 3: View and refine results

- Your search returned **3** interpretations.
- **Choose the interpretation** that fits your needs best by clicking on .
- Note: You can add/remove concepts and relations in the next step.

Legend: Concepts , Relations , Labels,Literals

Conference	Country in Eurozone: "Greece"	Abstract deadline
ESWC2009	Greece	2008-12-08 00:00:00
ECAI2008	Greece	2008-02-22 00:00:00

Conference	Country in Schengen zone: "Greece"	Abstract deadline
ECAI2008	Greece	2008-02-22 00:00:00
ESWC2009	Greece	2008-12-08 00:00:00

# 3. Result Presentation and Refinement

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[New Search](#)[Step 1: Enter keywords](#)[Step 2: Choose interpretation](#)[Step 3: View and refine results](#)

- There are **2** results matching your interpretation.
- Use the  **Facets** to the right to expand or narrow the results.

Legend: Concepts , Relations , Labels,Literals

Conference	Has location country	"Greece"	Abstract deadline	Submission deadline
ECAI2008	▶ Has location country	Greece	2008-02-22 00:00:00	2008-02-25 00:00:00
ESWC2009	▶ Abstract deadline	Greece	2008-12-08 00:00:00	2008-12-15 00:00:00



### Facets

Open/clos e a menu.

Remove a concept.

Add/remove a relation.

Define a concept.

#### Conference

- + Poster deadline
- + Demo deadline
- + Camera ready due
- + Acceptance rate
- + Event in series
- + Has location city
- + Paper deadline
- + homepage
- Has location country
- Submission deadline
- + Workshop deadline
- + Tutorial deadline
- + Notification
- + Title
- + Start date
- Abstract deadline
- + End date

#### Country

#### Abstract deadline

#### Submission deadline