

**WOP 2010 Call for Papers and Posters/Demos**  
**2nd Workshop on Ontology Patterns (WOP2010)**  
**<http://ontologydesignpatterns.org/wiki/WOP:2010>**

**November 8th, 2010**

**Shanghai International Convention Center, Shanghai, China**

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**Submission deadline - August 20, 2010 (11:59pm Hawaii time)**

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This workshop provides an arena for proposing and discussing ontology patterns, solutions to relevant problems of research and practice in the Semantic Web. The aim is to broaden the pattern community that will develop its own “language” for discussing and describing ontology patterns.

The workshop will be held in conjunction with ISWC2010 on November 8th, 2010. It will be a full-day workshop consisting of three parts: papers, posters/demos, and “pattern writing” sessions.

**Research papers and posters Topics**

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The main aim of the workshop is to discuss and collect solutions to recurrent problems i.e. ontology patterns, that matter to researchers and practitioners of the Semantic Web field, and that impact on ontology design and engineering.

Original research papers and poster papers are invited to consider the following (non exhaustive) list of topics:

- Ontology Design Patterns (ODPs) and pattern-based ontology design
- ODPs for specific knowledge domains e.g. multimedia, fishery and agriculture, user profiling, business modeling, etc.
- Anti-patterns and their relations to ODPs
- ODPs for interacting with data
- ODPs for expressing relevance of data in context
- Collaborative ontology design and collaboration patterns in ontology design and engineering
- Correspondence patterns for ontology matching and integration
- Lexico-syntactic patterns
- Reasoning patterns (workflows made of reasoning steps for addressing specific goals)
- Processes and services - process patterns
- Re-engineering patterns for conceptual models, folksonomies, lexicons, thesauri
- Problem solving methods and patterns

- Ontology Design Patterns and Linked Data
  - Ontology Patterns and Microformats
  - Patterns for using different vocabularies together e.g. FOAF, SIOC, DC, etc.
  - Web semantics from a pattern perspective
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- Good practices of ontology design
  - Good practices for Linked Data and related applications
  - Good practices for hybridization of semantic web and NLP techniques
  - Good Practices and Patterns of semantic social networks, semantic wikis, semantic blogs
  - Good Practices of Semantic Web in general
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- Software patterns for Semantic Web applications
  - Interaction patterns and the Semantic Web
  - Pattern-based methodologies for Semantic Web ontologies and software engineering
  - Application Profiles
  - Domain specific applications based on patterns and success-stories
  - Pattern-based ontologies
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- Tools support for pattern-based knowledge engineering
  - Pattern-based ontology evaluation and selection
  - Automatic ontology construction (ontology learning) based on patterns
  - Contextual reasoning and patterns as context
  - Knowledge patterns and knowledge re-engineering based on patterns
  - Pattern-based information extraction
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- Quality evaluation of patterns
  - Benefits of ontology patterns and knowledge patterns

## **Submission instructions**

<http://ontologydesignpatterns.org/wiki/WOP:2010/Submission>

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### **Important Dates**

- Submission deadline - August 20
- Notification of acceptance - September 10
- Workshop date - November 8

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### **WOP2010 Chairs**

#### **Papers, posters and demos**

Valentina Presutti, STLab ISTC-CNR(IT)

Vinay K. Chaudhri, SRI International (US)

#### **Patterns**

Eva Blomqvist, STLab ISTC-CNR(IT)

Oscar Corcho, Universidad Politécnica de Madrid (ES)

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### **Steering Committee**

Eva Blomqvist, STLab ISTC-CNR (IT)

Aldo Gangemi, STLab ISTC-CNR (IT)

Natasha Noy, Stanford University (US)

Valentina Presutti, STLab ISTC-CNR (IT)

Alan Rector, University of Manchester (UK)

Francois Scharffe, INRIA (FR)

Steffen Staab, University of Koblenz(DE)

Chris Welty, IBM Research (US)