Call for Papers

3rd International Workshop on
Ontology Alignment and Visualization – OnAV'10

February 15 – 18, 2010, Krakow, Poland, Andrzej Frycz Modrzewski Cracow College
In conjunction with the International Conference on Complex, Intelligent and Software Intensive Systems

Scope

Ontologies provide a shared common understanding about the entities of a given domain, enabling re-use of data and information. Ontologies are becoming pervasive; they can model the structure of a knowledge system, be used to annotate data, applied to software agents or describe web services. Furthermore, ontologies form the back-bone of the Semantic Web effort, which envisions the Internet as a globally linked database, one that supports data interoperability and machine readable semantics.

Over the past decade, a number of cognitive support tools for assisting users with ontology development tasks such as navigation, exploration, annotation, and mapping have been developed. Human intervention is necessary for the development of ontologies, to help evaluate the quality of ontologies and make judgments about mapping correspondences. Promising techniques from information visualization, human computer interaction, and computer supported collaborative work can, and have been applied, to help support such tasks. Furthermore, initial studies have shown that visualization can help such management tasks as ontology evaluation and alignment.

Target Group

The OnAV Workshop aims to provide a forum for researchers discussing state of the art approaches to ontology management and alignment, and in particular, to investigate how information visualization techniques can be applied to support ontology navigation, ontology alignment decision making tasks, and ontology evaluation. However, we also encourage researchers and practitioners working in other areas such as ontologies for Semantic Web applications, Web 2.0 and Web 3.0, to submit interesting and challenging contributions.

Topics

Topics of interest include (but are not limited to):

- Visualization, user interfaces, and interaction techniques for:
    - Ontology Alignment, Mapping and Merging
    - Ontology Navigation/Exploration
    - Ontology Management Tasks
    - Ontology Evolution
    - Data annotation
- Automated and Human-mediated Tasks of the Alignment Process
- Visual Metaphors in Alignment
- User-specific and Task-oriented Ontology Alignment
- Quality in Ontology Alignment and Mapping
- Alignment Meta-Data
- Ontology Alignment, Mapping and Merging
- Standardization of Alignment Data
- Applications of Ontology Alignment
- Similarity Measures for Ontology Alignment
- Ontologies and Problem-Solving Methods

Important Dates

Submission Deadline: **October 14, 2009**   **[EXTENDED !]**
Author Notification: November 1, 2009
Author Registration: November 15, 2009
Proceedings Version: November 15, 2009
Workshop Dates: **February 15 – 18, 2010**

Submission Guidelines & Publication

The papers should be prepared using the IEEE CS format, two columns layout, single-spaced, 10-point, and using page numbers. The length of papers should not exceed 6 pages (including figures and tables). For position papers the authors are encouraged to use 'Position Paper' in the title to distinguish them from regular papers. The length of position papers should not exceed 4 pages (including figures and tables).For submission the paper should not contain the names of the authors or any references that may point to them as the authors of the paper. The papers should be submitted electronically via CISIS'10 website. If there is any problem with the electronic submission, please contact the Workshop Co-Chairs.

IEEE Computer Society Proceedings Author Guidelines are available here:
http://www2.computer.org/portal/web/cscps/formatting

Submitted papers will be carefully evaluated based on originality, significance to workshop topics, technical soundness, clarity, and presentation quality. Each submission will receive at least three blind reviews. Proceedings of the workshop will be published by IEEE Computer Society Press. The best papers presented at the workshop will be selected for publication in an international journal.

Workshop Co-Chairs

Monika Lanzenberger   *Vienna University of Technology, Austria*
Jennifer Sampson   *EPSIS, Norway*
Sean Falconer,   *University of Victoria, Canada*

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