

## **K-Cap 2007 - The Fourth International Conference on Knowledge Capture**

October 28-31, 2007

Whistler, British Columbia, Canada

## **SAAKM 2007 - Semantic Authoring, Annotation and Knowledge Markup Workshop**

<http://saakm2007.semanticauthoring.org/>

Capturing knowledge by using markup techniques and by supporting semantic annotations is a major technique for creating metadata. It is beneficial in a wide range of content-oriented intelligent applications. One important application for instance is the Semantic Web. The research about the WWW currently strives to augment syntactic information already present in the Web by semantic metadata in order to achieve a Semantic Web that human and software agents can understand. Here, one of the most urgent challenges now is a knowledge-capturing problem, i.e. how one may turn existing syntactic resources into knowledge structures. A solution is to markup web documents in order to create metadata on the web or to author new documents in a way that they contain markup directly. Another application is the indexing and searching of multimedia (and multilingual) data. It is difficult to completely process the content of multimedia data, even with technologies based on natural language processing, image processing, machine vision and speech recognition. Therefore, semantic annotation is one of the promising methodologies to define semantic structures on the content.

### **Topics of interest**

- semantic authoring and publishing
- document engineering
- deriving semantics from document structure and content
- ontology-based authoring and markup
- knowledge markup in the Semantic Web
- using semantic annotations to define knowledge
- integrated software architecture based on semantic annotation
- multimedia annotation (e.g. by using MPEG-7)
- annotation of software components
- linguistic aspects of semantic annotations
- capturing knowledge through Information Extraction and NLP
- text mining for creating knowledge markup
- mining semantic information from blogs, forums or news sources
- collaborative, shared tagging and annotation
- semantic annotation in Semantic Wikis
- deriving formal semantics from (flat or hierarchical) tagging systems
- vocabularies and ontologies for semantic authoring and annotation
- tools for supporting knowledge markup, semantic annotation, semantic authoring

**Submission deadline: July 25<sup>th</sup>**

### **Organizers**

- **Siegfried Handschuh**, DERI Galway, National University of Ireland
- **Nigel Collier**, National Institute of Informatics, Japan
- **Tudor Groza**, DERI Galway, National University of Ireland
- **Rose Dieng-Kuntz**, INRIA, France
- **Michael Sintek**, DFKI Kaiserslautern, Germany
- **Anita de Waard**, Elsevier & University of Utrecht, Netherlands

## Program Committee

- **Harith Alani**, University of Southampton, UK
- **Roberto Basili**, University of Roma, Tor Vergata, Italy
- **Pablo Castells**, UAM Madrid, Spain
- **Steve Cayzer**, HP Labs Bristol, UK
- **Stefan Decker**, DERI Galway, Ireland
- **Thierry Declerck**, DFKI Saarbrücken, Germany
- **Tom Heath**, KMI, Open University, UK
- **Laura Hollink**, Free University Amsterdam, Netherlands
- **Andreas Hotho**, University of Kassel, Germany
- **Jane Hunter**, University of Queensland, Australia
- **Hong-Gee Kim**, Seoul National University, South Korea
- **Marja-Riitta Koivunen**, Annotea.org, USA
- **Diana Maynard**, University of Sheffield, UK
- **Peter Mika**, Yahoo! Barcelona, Spain
- **Knud Möller**, DERI Galway, Ireland
- **Ethan Munson**, University of Wisconsin-Milwaukee, USA
- **Sofia Pinto**, Technical University of Lisbon, Portugal
- **Alun Preece**, University of Aberdeen, UK
- **Gerald Reif**, University of Zürich, Switzerland
- **Lloyd Rutledge**, CWI, Netherlands
- **Carsten Saathoff**, University of Koblenz, Germany
- **Harald Sack**, Institut für Informatik, University of Jena, Germany
- **Beat Signer**, ETH Zürich, Switzerland
- **Sylvie Szulman**, LIPN, University Paris-Nord, France
- **Hideaki Takeda**, National Institute of Informatics, Japan
- **Victoria Uren**, KMI, Open University, UK
- **Maria Vargas-Vera**, Intercollege Larnaca, Cyprus
- **Martin Wolpers**, Catholic University Leuven, Belgium

## Invited Talk

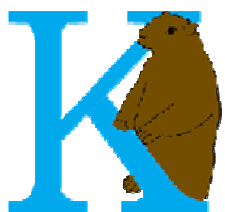
- **Dr. Yolanda Gil**, Information Sciences Institute, USA



Universiteit Utrecht

<http://saakm2007.semanticauthoring.org/>

## SAAKM 2007 - Semantic Authoring, Annotation and Knowledge Markup Workshop



### K-Cap 2007 - The Fourth International Conference on Knowledge Capture

October 28-31, 2007

Whistler, British Columbia, Canada