



ISWC2006報告

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ISWC 2006
5TH INTERNATIONAL SEMANTIC WEB CONFERENCE

Home :: General Information :: Program :: Call For Submissions :: Workshops/Tutorials :: Registration

Conference Poster



ATHENS, GA
2006

The 5th International Semantic Web Conference

Location: Athens, GA, USA

Dates: November 5 (Sunday) - 9 (Thursday), 2006

Proceedings: Springer's LNCS 4273 ([springerlink](#))

News

Videos Online
Preliminary videos from ISWC2006 conference are available, thanks to SEKT project

Photos
[ISWC Photos](#) (flickr group)

Organizer



LSDIS
Large Scale Distributed Information Systems

Sponsors

Gold Sponsors



dip
Data, Information and Process Integration with Semantic Web Services



SUPER
Semantics utilised for process management within and between enterprises

ISWC2006

- The 5th International Semantic Web Conference
– Athens, GA
- 1回:イタリア, 2回:アメリカ, 3回:日本, 4回:アイルランド, 5回:アメリカ, (6回:韓国)

参加者

- 総数: 505
- United States 190
- United Kingdom 64
- Germany 48
- Japan 28
- The Netherlands 24
- Korea 18
- Italy 15
- Canada, China, Ireland 10 ヨーロッパ: 200以上
- Austria, France, Spain, South Korea, Sweden 6
- Australia 5 • Czech Republic, Switzerland, Turkey 4
- Brazil, Bulgaria, Chile, Finland, Portugal 3
- Denmark, Greece, Slovenia 2
- Argentina, Belgium, Hungary, Latvia, Nigeria, Norway, Peru, Poland, Saint Martin, Singapore, South Africa: 1

論文

- Research Track
 - 215 Submission (33 countries)
 - 52 accepted (24%)
- In-Use Track
 - 42 Submission
 - 14 accepted

セッション

- **オントロジー技術, SW技術**
 - Ontology Mapping, Merging, and Alignment I
 - Ontology Mapping, Merging, and Alignment II InUse: Semantic Integration
 - Rule and Ontology Languages
 - Ontology-Driven Information Extraction
 - Robust and Scalable Semantic Web Techniques

- **SW+アルファ技術**
 - Database Technologies
 - Machine Learning and Query Evaluation
 - Human-Language Technologies I
 - Languages, Tools, and Methodologies for Representing and Managing Data

- **Webサービス**
 - Semantic Web Service Composition
 - Semantic Web Services InUse: Services and Middleware

- **社会, 協調**
 - Social Software
 - Collaboration and Cooperation InUse: knowledge Management

- **アプリケーション**
 - User-Centered Applications
 - e-Science and Workflows InUse: e-Science

- **評価**
 - Evaluation of Semantic Web Techniques
 - Applications of SW Technologies with Lessons Learned

全体の傾向

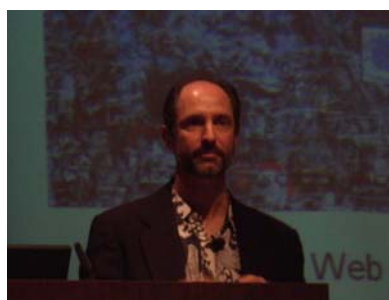
- よりアプリケーションよりへ
 - 動くシステム
 - Semantic Desktop
 - tag
- SWSやRuleやOWLは別の会議？

日本からの発表

- **Innovation Detection based on User-Interest Ontology of Blog Community**
 - Makoto Nakatsuji, Yu Miyoshi, Yoshihiro Otsuka
- **Extracting Relations in Social Networks from Web using Similarity between Collective Contexts**
 - Junichiro Mori, Takumi Tsujishita, Yutaka Matsuo, Mitsuru Ishizuka
- **Semantic web technology for expert knowledge sharing and discovery**
 - Steven Kraines, Weisen Guo, Brian Kemper, Yutaka Nakamura
- **Construction and Use of Role-ontology for Task-based Service Navigation System**
 - Yusuke Fukazawa, Takefumi Naganuma, Kunihiro Fujii, Shoji Kurakake
- **A Constraint-based Approach to Horizontal Web Service Composition**
 - Ahlem Ben Hassine, Shigeo Matsubara, Toru Ishida

招待講演

- **Tom Gruber**
 - Where the Social Web Meets the Semantic Web
- **Social Web**
 - Tag!
 - OntologyのLogical modelには言及せず
 - RealTravel.comでの実践



招待講演

- **Jane E. Fountain**
 - The Semantic Web and Networked Governance: Promise and Challenges

招待講演

- **Rudi Studer**
 - **The Semantic Web: Suppliers and Customers**
- 他のCSの分野との関連(需要と供給)で分析
 - Knowledge Representation
 - Database
 - Software Engineering
 - Natural Language Processing
 - Machine Learning
 - Others: Agents, Blogs, Social Networks



The Role of Semantic Web in Web 2.0: Partner or Follower?

- Panelist
 - [Jürgen Angele](#) (Ontoprise)
 - [Dave Beckett](#) (Yahoo!)
 - [Sir Tim Berners-Lee](#) (W3C)
 - [Benjamin Grosz](#) (MIT Sloane School of Management)
 - [Tom Gruber](#)



http://moresemantic.blogspot.com/2006/11/international-semantic-web-conference_09.html

The Role of Semantic Web in Web 2.0: Partner or Follower?

- Web 2.0 is ad-hoc
- Yahoo! is doing SW in business Yahoo!food
- **web 2.0** is not able to provide real inter-application integration, the SW does not provide such cool interfaces to data. Together both in combination
- Web 2.0 is centralized, SW is decentralized
- semantic **web** technology could help **web 2.0**
- *'don't ask what the **web** knows....ask what the world knows!' and 'don't make the **web** smart...make the world smart'*

http://moresemantic.blogspot.com/2006/11/international-semantic-web-conference_09.html


workshops

- [Applications and Business Aspects of the Semantic Web Modular Ontologies](#)
- [Ontology Matching](#)
- [2nd International Semantic Web Policy Workshop \(SWPW'06\)](#)
- [Semantic Authoring and Annotation Workshop](#)
- [Scalable Semantic Web Knowledge Base Systems](#)
- [Workshop for W3C Semantic Web Health Care & Life Sciences](#)
- [Semantic Desktop and Social Semantic Collaboration Workshop](#)
- [Semantic Sensor Networks](#)
- [Semantic Web Enabled Software Engineering](#)
- [Semantic Web User Interaction](#)
- [Terra Cognita - Geospatial Semantic Web](#)
- [Uncertainty Reasoning for the Semantic Web](#)
- [Web Content Mining with Human Language Technologies](#)


Semantic Web Challenge

- [A Semantic Web Services GIS based Emergency Management Application](#) (by Alessio Gugliotta, John Domingue, Leticia Gutiérrez-Villarías, Marc Richardson, Mary Rowlatt, Rob Davies, Sandra Stinčić, Vlad Tanasescu)
- ③ • [Enabling Semantic Web communities with DBin: an overview](#) (by Christian Morbidoni, Giovanni Tummarello, Michele Nucci)
- ② • [Foaming the Music: Bridging the semantic gap in music recommendation](#) (by Oscar Celma)
- ① • [MultimediaN E-Culture demonstrator](#) (by Alia Amin, Bob Wielinga, Borys Omelayenko, Guus Schreiber, Jacco van Ossenbruggen, Janneke van Kersen, Jan Wielemaker, Jos Taekema, Laura Hollink, Lynda Hardman, Marco de Niet, Mark van Assem, Michiel Hildebrand, Ronny Siebes, Victor de Boer, Zhisheng Huang)
- [Semantic MediaWiki \(SWC2006\)](#) (by Denny Vrandecic, Markus Krötzsch, Max Völkel)


Semantic Tools Online



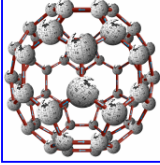
Eating our own dog food, the [Semantic Sched](#), shows the conference schedule based on the ISWC metadata. The scheduler dynamically generates a time table, allows to filter by time, session or keyword, and shows you the details each presentation on the click of a button. So of the functionality (e.g. personalisation) did not make into the release for ISWC2006, but will be available for the next round of SW conferences. Stay tuned.



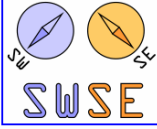
[BrowseRDF.com](#) allows you to navigate arbitrary RDF datasets using an exploration technique called "faceted browsing". This technique lets you easily navigate through unfamiliar datasets, such as the ISWC meta-dataset. BrowseRDF is also represented with a [paper](#) here at ISWC2006.




The main conference website offers an overview page for each paper in the [Research](#) and [In-Use](#) tracks, including links to PDFs. Each of these pages is created dynamically from the ISWC metadata set.




[Semantic MediaWiki](#) combines semantic technologies with the successful wiki paradigm of collaborative content management. Semantic annotation and search becomes a simple part of common wiki-usage, and annotated content is shared on the Semantic Web in machine-readable OWL/RDF format. Semantic MediaWiki already powers [numerous wikis](#) in different languages and with thousands of registered users, thus truly bringing *semantics to the people*. Check our [ISWC2006 wiki!](#)




[SWSE](#), or Semantic Web Search Engine, is a search and query engine for Semantic Web data using ontologies and the inherent semantics of RDF. SWSE is able to provide much more accurate search results than traditional search engines. SWSE is able to index, consolidate and provide search capabilities over data from a wide range of sources, for example the metadata for ISWC2006. *SWSE currently works only with Firefox-based browsers.*




[Facet](#) is a generic browser for heterogeneous semantic web repositories. It works on any RDF dataset without any additional configuration. Unique features: 1) Select and navigate facets of resources of any type; 2) Selections based on properties of other, semantically related, types; 3) Semantic autocompletion; 4) Inclusion of facet-specific display options such as a timeline and geographical map.



[Flink](#) is presentation of the scientific work and social connectivity of Semantic Web researcher in particular the community of researchers who have contributed their work to the [International Semantic Web Conference \(ISWC\)](#) series. The information displayed has been extracted automatically from web-accessible information sources (including web pages, FOAF profiles, e lists and publication archives) and has been aggregated using semantic technology. Flink has received a 1st prize at the [Semantic Web Challenge](#) in 2004.



[openacademia.org](#) is an open source publication metadata repository for scientific communities. The goal of openacademia is to allow scientists collect, organize and disseminate publications



[PhotoStuff](#) is an open source, platform independent (written in Java), image annotation tool which employs an ontology to provide the expressiveness required to assert the contents of an image, as well information about the image (date created, etc.). PhotoStuff allows users to annotate regions of an image with respect to concepts in any ontology specified in RDFs or OWL. It provides the functionality to import images (and their embedded metadata), ontologies, instance-bases, perform markup, and export the resulting annotations to disk or a Semantic Web portal. On the Web portal, additional image browsing interfaces are provided.

まとめ

- Web 2.0はSWIに刺激になっている: tag!
- アプリはできつつある
- データが使えることはもうAdvantageでない
- 次はオントロジー re-visitか

- 次回ISWCは釜山.



- 次回ESWCはインスブルック(12/8締切り)

ESWC 2007

セマンティックWebとオントロジー研究会

- 次回は2月／3月に北陸で合宿形式