



Organized by

Asia-Link East Web project

Co-organized and Hosted by

Department of Computer Science and Technology, Tsinghua University

3-7 September, 2006

**Future Internet Technology Building,
Tsinghua University, Beijing, China**



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PREFACE (WELCOME MESSAGE)

The International Semantic Web Conference (ISWC) and the European Semantic Web Conference (ESWC) present the latest results in research and application of the Semantic Web technologies. Both have contributed to the promotion of research on the Semantic Web in their respective regions. Research on the Semantic Web needs global activity which necessarily requires the spread of the Semantic Web over Asia where it has been under development. The series of Asian Semantic Web Conferences (ASWC) have therefore been established with the intention of fostering research and development of the Semantic Web and its related technology in Asia by the East Web project, <http://odle.dit.unitn.it/eastweb/>, whose objectives include fostering and promoting the cooperation between European and Asian Institutions involved in IT education and research. The first ASWC was held in Beijing, during September 3-7, 2006, in this context.

We initially received 253 submissions and found 221 valid submissions of abstracts after a screening process. We finally received 208 full papers each of which was reviewed seriously by three Program Committee members and we accepted 36 full papers and 36 short papers. The acceptance rate of full papers is 18%, which we are proud of. The acceptance rate of all the accepted papers is 36%. Differently from ISWC/ESWC, industrial track papers of ASWC 2006 were reviewed by the Program Committee of the research track with the same quality level but with different criteria, that is, practicality was considered more important than originality. We accepted eight papers, four of them are full papers and four short papers, which are included in the above-mentioned 72 papers. The major characteristic of the topics of ASWC 2006 is that 1/4 of the total papers are ontology related. Topics covered by the accepted papers are as follows:

Ontology-related papers:	18
Ontology integration and interoperability	7
Ontology alignment	4
Ontology and theory	4
Ontology and tools	3
Applications	10
Semantic Web services	9
Reasoning	5
Annotation	4
Social network and RSS	4
Peer-to-Peer	4
Database	4
Information search	3
Document and recommendation	3
Industrial track	8

Accepted papers come from 18 countries, which shows that ASWC 2006 is quite international, and their statistics in terms of country are as follows:

China	30
Korea	11
Japan	10
Ireland	4
Austria	2
Finland	2
USA	2
Australia	1
Belgium	1
France	1
Germany	1
Greece	1
Iran	1
Italy	1
Kuwait	1
Norway	1
Thailand	1
UK	1

As Program Committee Co-chairs and Conference Chair, we are grateful to the Program Committee members and to the additional reviewers for their enormous effort in reviewing to select these wonderful papers. Without their contribution, this conference would not have happened. Considering ASWC 2006 was the first conference in Asia, the organization went smoothly thanks to the strong leadership of the Local Organizing Committee Chair, Juanzi Li, to whom our special thanks go. We also would like to thank the sponsors listed below for their monetary support, which was another key factor of the great success of ASWC 2006.

Riichiro Mizoguchi
Program Committee Chair

Zhongzhi Shi
Local Co-chair

Fausto Giunchiglia
Conference Chair

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INVITED SPEAKER

Jim Hendler (University of Maryland at College Park, USA)

Monday, 5th, 9:30-10:30

Jim Hendler is a Professor at the University of Maryland and the Director of Semantic Web and Agent Technology at the Maryland Information and Network Dynamics Laboratory. He has joint appointments in the Department of Computer Science, the Institute for Advanced Computer Studies and is an affiliate of the Institute for Systems Research. He has authored about 200 technical papers in the areas of artificial intelligence, Semantic Web, agent-based computing and high performance processing. Hendler was the recipient of a 1995 Fulbright Foundation Fellowship, is a former member of the US Air Force Science Advisory Board, and is a Fellow of the American Association for Artificial Intelligence. He is also the former Chief Scientist of the Information Systems Office at the US Defense Advanced Research Projects Agency (DARPA), was awarded a US Air Force Exceptional Civilian Service Medal in 2002, and is a member of the World Wide Web Consortium's Semantic Web Coordination Group. He is also the Editor in Chief of IEEE Intelligent Systems.



Hai Zhgue (Institute of Computing Technology, Chinese Academy of Sciences, China)



Tuesday, 6th, 9:00-10:00

Hai Zhgue is a professor and the director of the Key Lab of Intelligent Information Processing, at the Institute of Computing Technology in Chinese Academy of Sciences. He is the Chief Scientist of the China National Semantic Grid Research Project, a multi-million-dollar project of the National Basic Research Program of China. He is the founder of the China Knowledge Grid Research Group, which owns 30 young researchers. He is establishing research labs (including the Knowledge Grid Center, Dunhuang Cultural Knowledge Grid Lab, and Hunan Knowledge Grid Lab) in cooperation with other universities and institutes to push the development of the Knowledge and Semantic Grid area.

Enrico Motta (The Open University, UK)

Wednesday, 7th, 9:00-10:00



Professor Enrico Motta is Director of the Knowledge Media Institute (KMi) at the Open University. KMi creates and studies near-term future technologies for the ultimate benefit of Open University students, staff, industrial sponsors, and a mixture of local and global learning communities. Enrico's main area of research is knowledge technologies and in particular he is working on the semantic web and the application of knowledge technologies to support knowledge sharing in organizations and distributed problem solving. He has authored “Reusable Components for Knowledge Modelling”, published by IOS Press.

PROGRAM FOR TUTORIALS AND WORKSHOPS

Sunday 3rd

Tutorials [Room 2]

Full-day session 9:00-17:00

T1: *Semantic Web Services - State of Affairs* [Room 2]
Michael Stollberg, John Domingue

Workshops [Room 3 & 4]

Full-day session 9:00-17:00

W2: *Semantic e-science* [Room 3]
Yimin Wang, Huajun Chen, Peter Haase, Zhaohui Wu, Rudi Studer

W5: *Semantic Web Applications and Tools Workshop*
Ying Ding, Omair Shafiq, Yue Pan, Lei Zhang, Zhixiong Zhang, Yong Yu, Juanzi Li

Monday 4th

Tutorials [Room 2]

Full-day session 9:00-17:00

T3: *Tools and Applications for the Corporate Semantic Web* [Room 2]
Jurgen Angele, Kyung-il Lee

Workshops [Room 3, 4, & 5]

Half-day 9:00-12:30

W3: *Semantic Web Education and Training* [Room 3]
Ying Ding, Omair Shafiq, Marco Ronchetti, Fausto Giunchiglia

Full-day 9:00-17:00

W6: *Web Search Technology-from Search to Semantic Search*[Room 4]
Lizhu Zhou, Wray Buntine

W7: *Service Discovery on the WWW* [Room 5]
Sung-Kook Han, Kumal Verna, Ioan Toma, Dumitru Roman

PROGRAM OVERVIEW

Tuesday 5th

9:00-9:30	Opening Ceremony [Room 1]	
9:30-10:30	Invited speaker: Jim Hendler [Room 1]	
10:30-11:00	Coffee break [Lounge]	
11:00-12:30	1. Annotation [Room 1]	2. Ontology alignment [Room 2]
12:30-14:00	Lunch [UNIS Center]	
14:00-15:30	3. Document & recommendation [Room 2]	4. Interoperability & Integration (1) [Room 1]
15:30-16:00	Coffee break [Lounge]	
16:00-17:30	5. Social network&RSS [Room 1]	6. Interoperability & Integration (2) [Room 2]
17:30-19:00	Poster & Demo session [chair: xxxx]	
19:30-21:00	Reception [UNIS Center]	

Tuesday 6th

9:00-10:00	Invited speaker: Hai Zhuge [Room 1]	
10:00-10:30	Coffee break [Lounge]	
10:30-12:00	7. Reasoning [Room 2]	8. Application (1) [Room 1]
12:00-13:30	Lunch [UNIS Center]	
13:30-15:00	9. Information search [Room 2]	10. Semantic WS (1) [Room 1]
15:00-15:30	Coffee break [Lounge]	
15:30-17:30	11. Database [Room 2]	12. Semantic WS (2) [Room 1]
18:30-21:00	Banquet [Quanjudé]	

Tuesday 7th

9:00-10:00	Invited speaker: Enrico Motta [Room 1]	
10:00-10:30	Coffee break [Lounge]	
10:30-12:00	13. Ontology & tool [Room 2]	14. Application (2) [Room 1]
12:00-13:30	Lunch [UNIS Center]	
13:30-15:00	15. Ontology & theory [Room 2]	16. Industrial track (1) [Room 1]
15:00-15:30	Coffee break [Lounge]	
15:30-17:00	17. P2P [Room 1]	18. Industrial track (2) [Room 2]
17:00-17:15	Closing Ceremony [Room 1]	

TECHNICAL PROGRAM

Tuesday 5th

9:00-9:30	Opening Ceremony (Chair: Juanzi Li) [Room 1]
9:30-10:30	Invited speaker: Jim Hendler (Chair: Fausto Giunchiglia)[Room 1] <i>The Semantic Web: A Network of Understanding</i>
10:30-11:00	Coffee break [Lounge]
11:00-12:30	Session 1 Annotation [chair: Sung-Kook Han] [Room 1]
L	<i>Hierarchical Topic Term Extraction for Semantic Annotation in Chinese Bulletin Board System</i> Xiaoyuan Wu, Shen Huang, Jie Zhang, Yong Yu
L	<i>Automatic Annotation Using Citation Links and Co-citation Measure</i> Abrouk Lylia, Gouaich abdelkader
S	<i>Semantic Annotation using Horizontal and Vertical Contexts</i> Mingcai Hong, Jie Tang, Juanzi Li
S	<i>Semantic Wiki as a Lightweight Knowledge Management System</i> Hendry Muljadi, Hideaki Takeda, Aman Shakya, Shoko Kawamoto, Satoshi Kobayashi, Asao Fujiyama, Koichi Ando
11:00-12:30	Session 2 Ontology alignment [chair: Yuzhong Qu] [Room 2]
L	<i>Partition-Based Block Matching of Large Class Hierarchies</i> Wei Hu, Yuanyuan Zhao, Yuzhong Qu
L	<i>Towards Quick Understanding and Analysis of Large-scale Ontologies</i> Miao Xiong, YiFan Chen, Hao Zheng, Yong Yu
S	<i>Effective Large Scale Ontology Mapping</i> Wang Zongjiang, Wang Yinglin, Zhang Shensheng, Shen Ge, Du Tao
S	<i>Finding Important Vocabulary within Ontology</i> Xiang Zhang, Hongda Li, Yuzhong Qu
12:30-14:00	Lunch [UNIS Center]
14:00-15:30	Session 3 Document & recommendation [chair: Key-Sun Choi] [Room 2]
L	<i>Ontology-based Similarity between Text Documents on Manifold</i> Guihua Wen
S	<i>A formalism of XML restructuring operators</i> Ho-Hyun Park, Millist Vincent, Chengfei Liu, Jixue Liu
L	<i>FTT Algorithm of Web Pageviews for Personalized Recommendation</i> SHEN Yunfei, QIN Zheng, YUAN Kun, LUO Xiaowei
14:00-15:30	Session 4 Interoperability & Integration (1) [chair: Wolfgang Nejdl] [Room 1]
L	<i>Ontology-Based RBAC Specification for Interoperation in Distributed</i>

Environment

Di Wu, Xiyuan Chen, Jian Lin and Miaoliang Zhu

L *Business Process Collaboration Using Semantic Interoperability: Review and Framework*

Ruinan Gong, Qing Li, Ke Ning, Yuliu Chen, David O'Sullivan

S *An Ontology Architecture for Integration of Ontologies*

Jeongsoo Lee, Heekwon Chae, Kwangsoo Kim, Cheol-Han Kim

S *Automatic Alignment of Ontology Eliminating the Probable Misalignments*

Md. Hanif Seddiqui, Seki Yohei, Aono Masaki

15:30-16:00 Coffee break [Lounge]

16:00-17:30 Session 5 Social network&RSS [chair: Shyamasundar R.K.] [Room 1]

L *D-FOAF: Distributed Identity Management with Access Rights Delegation*

Sebastian Ryszard Kruk, Stawomir Grzonkowski, Adam Gzella, Tomasz Woroniecki, Hee-Chul Choi

S *Community Focused Social Network Extraction*

Masahiro Hamasaki, Yutaka Matsuo, Keisuke Ishida, Yoshiyuki Nakamura, Takuichi Nishimura, Hideaki Takeda

S *Behavioral Analysis based on Relations in Weblogs*

Tadanobu Furukawa, Tomofumi Matsuzawa, Yutaka Matsuo, Koki Uchiyama, Masayuki Takeda

L *UniRSS: A New RSS Framework Supporting Dynamic Plug-in of RSS Extension Modules*

Eui-Hyun Jung

16:00-17:30 Session 6 Interoperability & Integration (2) [chair: Enrico Motta] [Room 2]

L *Semantic Integration of Enterprise Information: Challenges and Basic Principles*

Jingtao Zhou, Mingwei Wang

S *Triple Space Computing: Adding Semantics to Space-based Computing*

Francisco Martin-Recuerda, Reto Krummenacher, Omair Shafiq, Johannes Riemer, Martin Murth, Eva Kuhn, Ying Ding, and Dieter Fensel

L *Application integration using Conceptual Spaces (CSpaces)*

Francisco Martin-Recuerda

S *A new Evaluation Method for Ontology Alignment Measures*

Babak Bagheri, Hassan Abolhassani

17:30-19:00 Poster & Demo session with Drinks & Snacks [chair: Yuting Zhao and Paritosh Pandya]

19:30-21:00 Reception [UNIS Center]

Tuesday 6th

9:00-10:00	Invited speaker: Hai Zhuge (Chair: Zhongzhi Shi) [Room 1] <i>Transformation from OWL Description to Resource Space Model</i>
10:00-10:30	Coffee break [Lounge]
10:30-12:00	Session 7 Reasoning [chair: Vilas Wuwongse] [Room 2]
L	<i>OWL-Full Reasoning from an Object Oriented Perspective</i> Seiji Koide, Hideaki Takeda
L	<i>Visualizing Defeasible Logic Rules for the Semantic Web</i> Efstratios Kontopoulos, Nick Bassiliades, Grigoris Antoniou
S	<i>A Reasoning Algorithm for pD*</i> Huiying Li, Yanbing Wang, Yuzhong Qu, Jeff Z. Pan
S	<i>Representing and Reasoning with Application Profiles Based on OWL and OWL/XDD</i> Photchanan Ratanajaipan, Ekawit Nantajeewarawat, Vilas Wuwongse
10:30-12:00	Session 8 Application (1) [chair: Riichiro Mizoguchi] [Room 1]
L	<i>Full-automatic High-level Concept Extraction from Images Using Ontologies and Semantic Inference Rules</i> Kyung-Wook Park and Dong-Ho Lee
S	<i>Dental Decision Making on Missing Tooth Represented in an Ontology and Rules</i> Seon Gyu Park, Hong-Gee Kim
S	<i>Ontology Driven Visualisation of Maps with SVG - Technical Aspects</i> Frank Ipfelkofer, Bernhard Lorenz, Hans Jurgen Ohlbach
S	<i>Applying CommonKADS and Semantic Web Technologies to Ontology-based E-government Knowledge Systems</i> Dong Yang, Lixin Tong, Yan Ye, Hongwei Wu
S	<i>Semantics-Based Protocol for Business Process Transactions</i> Dongwoo Kang, Sunjae Lee, Kwangsoo Kim, Jae Yeol Lee
12:00-13:30	Lunch [UNIS Center]
13:30-15:00	Session 9 Information search [chair: Juanzi Li] [Room 2]
L	<i>Fuzzy View-Based Semantic Search</i> Markus Holi, Eero Hyvonen
L	<i>A Semantic Search Conceptual Model and Application in Security Access Control</i> Kunmei Wen, Zhengding Lu, Ruixuan Li, Xiaolin Sun, Zhigang Wang
L	<i>Document Filtering for Domain Ontology Based on Concept Preferences</i> Bo-Yeong Kang
13:30-15:00	Session 10 Semantic WS (1) [chair: John Domingue] [Room 1]

- L *Exploring the Flexible Workflow Technology to Automate Service Composition*
Shuiguang Deng, Jian Wu, Ying Li, Zhaohui Wu
- L *Mediation Enabled Semantic Web Services Usage*
Emilia Cimpian, Adrian Mocan, Michael Stollberg
- S *Toward Automatic Discovery and Invocation of Information-Providing Web Services*
Wen-feng ZHAO, Jun-liang CHEN
- S *Automatic Composition of Semantic Web Services - a Theorem Proof Approach*
Li Ye, Junliang Chen

15:00-15:30 Coffee break [Lounge]

15:30-17:30 Session 11 Database [chair: Xiaofeng Meng] [Room 2]

- L *Qualitative Spatial Relation Database for Semantic Web*
Sheng-sheng WANG, Da-you LIU
- L *Automatic Creation and Simplified Querying of Semantic Web Content: An Approach Based on Information-Extraction Ontologies*
Yihong Ding, David Embley, Stephen Liddle
- L *HStar-a Semantic Repository for Large Scale OWL Documents*
Yan Chen, Jianbo Ou, yu Jiang, Xiaofeng Meng
- L *Minerva: A Scalable OWL Ontology Storage and Inference System*
Jian Zhou, Li Ma, Qiaoling Liu, Lei Zhang, Yong Yu, Yue Pan

15:30-17:30 Session 12 Semantic WS (2) [chair: Takahira Yamaguchi] [Room 1]

- L *A Semantic Rewriting Approach to Automatic Information Providing Web Service Composition*
Shenghua Bao, Lei Zhang, Chenxi Lin, Yong Yu
- L *Web Services Analysis: Making Use of Web Service Composition and Annotation*
Peep Kungas, Mihhail Matskin
- S *WWW: WSMO, WSML, and WSMX in a nutshell*
Dumitru Roman, Jos de Bruijn, Adrian Mocan, Holger Lausen, John Domingue, Christoph Bussler, and Dieter Fensel
- S *Automatic Generation of Service Ontology from UML Diagrams for Semantic Web Services*
Jin Hyuk Yang, In Jeong Chung
- S *A Composition Oriented and Graph-based Service Search Method*
Xiaoqin Xie, Kaiyun Chen, Juanzi Li

18:30-21:00 Banquet [Quanjude] (Chair: Juanzi Li)

Tuesday 7th

9:00-10:00 Invited speaker: **Enrico Motta** (Chair: Riichiro Mizoguchi)[Room 1]
Next-Generation Semantic Web Applications

10:00-10:30 Coffee break [Lounge]

10:30-12:00 Session 13 Ontology & tool [chair: Hai Zhuge] [Room 2]

L *DODDLE-OWL: A Domain Ontology Construction Tool with OWL*

Takeshi Morita, Naoki Fukuta, Noriaki Izumi, Takahira Yamaguchi

L *Knowledge Elicitation Plug-in for Protégé: Card Sorting and Laddering*

Yimin Wang, York Sure, Robert Stevens, Alan Rector

S *Towards a topical ontology of fraud*

Gang Zhao and Robert Meersman

10:30-12:00 Session 14 Application (2) [chair: Ying Ding] [Room 1]

L *Product Data Interoperability based on Layered Reference Ontology*

Wonchul Seo, Sunjae Lee, Kwangsoo Kim, Byung In Kim, Jae Yeol Lee

S *Design of Semantically Interoperable Adverse Event Reporting Framework*

Senator Jeong, Hong-Gee Kim

S *Protein Data Sources Management using Semantics*

Amandeep Sidhu, Tharam Dillon, Elizabeth Chang

S *Semantic Web Modeling for Virtual Organization: A Case Study in Logistics*

Liao Lejian and Zhu Liehuang

S *A PSO-Based Web Document Query Optimization Algorithm*

Ziqiang Wang, Xin Li, Dexian Zhang and Feng Wu

12:00-13:30 Lunch [UNIS Center]

13:30-15:00 Session 15 Ontology & theory [chair: Fausto Giunchiglia] [Room 2]

L *Modular Ontologies - A Formal Investigation of Semantics and Expressivity*

Jie Bao, Doina Caragea, Vasant Honavar

S *A Pi-Calculus Based Ontology Change Management*

Meiling Wang, Lei Liu

S *A Comprehensive Study of Inappropriate Hierarchy in WordNet*

Yang Liu

S *Autonomous Ontology: Operations and Semantics OR Local Semantics with Semantic Binding on Foreign Entity*

Yuting Zhao, Luciano Serafini, Fausto Giunchiglia

13:30-15:00 Session 16 Industrial track (1) [chair: Takahiro Kawamura][Room 1]

L *A Map Ontology Driven Approach to Natural Language Traffic Information Processing and Services*

	Qi Hongwei, Liu Yuguang, Liu Huifeng, Liu Xiaowei, Wang Yabo, Toshikazu Fukushima, Zheng Yufei, Wang Haitao, Feng Qiangze, Lu Han, Wang Shi, Cao Cungen
L	<i>A Knowledge- and Workflow-Based System for Supporting Order Fulfillment Process in the Build-to-Order Supply Chains</i> Yan Ye, Dong Yang, Zhibin Jiang, Lixin Tong
S	<i>A Distributed IR Model based on Semantic Web</i> Pei-guang Lin, Xiao-zhong Fan and Hai-yan Kang
S	<i>Experimental Study of Semantic Contents Mining on Intra-University Enterprise Contents Management System for Knowledge Sharing</i> Keiko Shimazu, Isao Saito, Koichi Furukawa
15:00-15:30	Coffee break [Lounge]
15:30-17:00	Session 17 P2P [chair: Hideaki Takeda] [Room 1]
L	<i>SemreX: A Semantic Peer-to-Peer System for Literature Documents Retrieval</i> Hai Jin, Hanhua Chen, Xiaoming Ning
L	<i>Personal Information Modeling in Semantic Web</i> Sabah Al-Fedaghi, Majed Ahmad
S	<i>A Semantic Reputation Mechanism in P2P Semantic Web</i> Wang Wei, Zeng Guosun, Yuan Lulai
S	<i>Client and Server Anonymity Preserving in P2P Networks</i> B.Ryong Kim
15:30-17:00	Session 18 Industrial track (2) [chair: Witold Abramowicz][Room 2]
L	<i>Semantic Autocompletion</i> Eero Hyvonen, Eetu Makela
L	<i>Ubiquitous Metadata Scouter - Ontology brings Blogs Outside</i> Takahiro KAWAMURA, Shinichi NAGANO, Masumi INABA, Tetsuo HASEGAWA and Akihiko OHSUGA
S	<i>Networked Interactive Photo Annotation and Reminiscence Content Delivery</i> Noriaki Kuwahara, Kiyoshi Yasuda, Shinji Abe, Kazuhiro Kuwabara
S	<i>Task-oriented Mobile Service Recommendation enhanced by a Situational Reasoning Engine</i> Takefumi Naganuma
17:00-17:15	Closing Ceremony [Room 1]

POSTERS & DEMOS

Posters Tuesday Sep. 5th 17:30-19:00

- [1] *XRVAT: An RDF/XTM Integrated Authoring Tool for Resource Generation with a Topic Maps-based Interface*
Chun-Hua Chou and Meng-Chia Yang and Ing-Xiang Chen and Cheng-Zen Yang
- [2] *How Triple Space Computing and Semantic Web Services can meet together*
Omair Shafiq, Michal Zaremba, Dieter Fensel
- [3] *TerveSuomi.fi – A Semantic Health Portal for Citizens*
Markus Holi, Petri Lindgren, Osmo Suominen, Kim Viljanen, Eero Hyvönen
- [4] *Developing SWS for e-Government*
Leticia Gutierrez Villarias; Rob Davies
- [5] *Combining Case-Based Reasoning and Semantic Indexing in a Question-Answer Service*
Antti Vehvilainen, Olli Alm and Eero Hyvonen
- [6] *A Browser-based Semantic Annotation Tool for Distributed Content Creation*
Onni Valkeapää and Eero Hyvönen
- [7] *First Steps in Litteratus Calculus: Towards a Semantics of Semantic Networks*
Jean Rohmer
- [8] *SWING - Semantic Web Services INteroperability for Geospatial Decision Making*
Dumitru Roman

Demos Tuesday Sep. 5th 17:30-19:00

- [1] *Ontology Mapping and Instance Transformation Tools in the Context of Semantic Web Services*
Adrian Mocan, Emilia Cimpian
- [2] *SWARMS: A Tool for Domain Exploration in Semantic Web and its Application in FOAF Domain*
Bangyong Liang, Jie Tang, Juanzi Li, and Kehong Wang
- [3] *Semantic Web Services Based Emergency Planning*
Vlad Tanasescu, Alessio Gugliotta, John Domingue, Leticia Gutierrez Villarias, Rob Davies, Mary Rowlatt, Marc Richardson
- [4] *A New Approach to Personal Network Search based on Information Extraction*
Jie Tang, Mingcai Hong, Jing Zhang, Bangyong Liang, and Juanzi Li
- [5] *Semantic Annotation with Browser-based Annotation Tool Saha*
Onni Valkeapää and Eero Hyvönen

W2: Semantic e-science (SeS2006)

Sunday, September 3rd

- [1] *Towards Interoperability of Geopolitical Information within FAO*
Caterina Caracciolo, Marta Iglesias Sucasas, Johannes Keize
- [2] *Classification of Resources on Knowledge Map in Biology*
Jiro Araki, Shoko Kawamoto, Asao Fujiyama and Hideaki Takeda
- [3] *Semantic Web Meets e-Neuroscience: an RDF use-case*
Hugo Lam, Luis Marenco, Tim Clark, Yong Gao, June Kinoshita, Gordon Shepherd, Perry Miller, Elizabeth Wu, Gwen Wong, Nian Liu, Chiquito Crasto, Thomas Morse, Susie Stephens, and Kei-Hoi Cheung
- [4] *LinkHub: a Semantic Web System for Efficiently Handling Complex Graphs of Proteomics Identifier Relationships that Facilitates Cross-database Queries and Information Retrieval*
Andrew K. Smith, Kei-Hoi Cheung, Kevin Y. Yip, Martin Schultz, Mark B. Gerstein
- [5] *Debugging Ontology Mappings: a static approach*
Peng Wang, Baowen Xu
- [6] *Semantic Data Integration for IT Governance*
Alfred Ka Yiu Wong, Frederick Yip, Pradeep Ray, and Nandan Paramesh
- [7] *DartWise: Knowledge Grid for Traditional Chinese Medicine Research*
Xiaoqing Zheng, Zhaohui Wu, Yi Fen, Yuxin Mao
- [8] *Semantic Interoperability of e-Health Systems using Dialog based Mapping of Ontologies*
Pronab Ganguly, N. Paramesh and Pradeep Ray
- [9] *Knowledge Preconditions for Composition of Semantic Web Services*
Sang-Kyun Kim, Yun-Young Hwang, Cheol-Min Shin, and Kyu-Chul Lee
- [10] *Ontology Grid for Large-Scale Traditional Chinese Medicine Domain Ontologies*
Yuxin Mao, Zhaohui Wu

W3: Semantic Web Education and Training

Monday, September 4th

- [1] *EASTWEB - Building an integrated leading Euro-Asian higher education and research community in the field of the Semantic Web*
Fausto Giunchiglia, Maurizio Marchese, Marco Ronchetti, Yuting Zhao
- [2] *EASE: The European Association for Semantic Web Education*
Joerg Diederich, Wolfgang Nejdl, Robert Tolksdorf
- [3] *Ontology-based Video Annotation and Recommendation*
Antonella Carbonaro
- [4] *The European Academy for Semantic-Web Education*
Marco Ronchetti
- [5] *Experiences from Semantic Web Service Tutorials*
Michael Stollberg, Matthew Moran, John Domingue
- [6] *Ontology-Based Multi Agent Systems (OBMAS) for Semantic Interoperability*
Pradeep Kumar Ray

W5: Semantic Web Applications and Tools Workshop

Sunday, September 3rd

Full Papers

- [1] *A Timed Ontology Evolutions Based on Distributed Environments*
Yinglong Ma, Jun Wei, Beihong Jin
- [2] *How Semantic Desktop and Web2.0 can help Personal Knowledge Management?*
Hak Lae Kim, Hong Gee Kim, Stefan Decker
- [3] *A Semantic View-Based Portal Utilizing Learning Object Metadata*
Teppo Kansala and Eero Hyvonen
- [4] *An Approach to Resolving Semantic Conflicts Based on RDF Model*
Yinglong Ma, Mingquan Zhou, Beihong Jin
- [5] *A Publication Aggregation System Using Semantic Blogging*
Aman Shakya, Hideaki Takeda, Ikki Ohmukai, Vilas Wuwongse
- [6] *Towards Large Scale Ontology Exploration By Using Information Retrieval Technologies*
Min Long, Shenghua Bao, Shengliang Xu, Yong Yu
- [7] *Ontology Engineering for eFinance*
Weir Ying, Pradeep Ray, N. Parameswaran

Short Papers

- [1] *Methodology for Ontology Lifecycle Management*
Liya Fan, Tianyuan Xiao, Wenhui Fan
- [2] *Ontology-Based Data Flow Automatic Matching in Web Services Composition*
Zhang Jing, Wang Haiyang
- [3] *A Pragmatic View on Ontology Integration*
Hong-Gee Kim, Hai-Tao Zheng
- [4] *Semanno: Semantic Annotation Tool for Asian Languages*
Ivan Berlocher, Kyung-il Lee, Ahn Tae-sung

W6: Web Search Technology-from Search to Semantic Search

Monday, September 4th

- [1] *Quantitative Evaluation of Snippets Returned by Web Search Engines*
Shinya Takami and Katsumi Tanaka
- [2] *ConceptWorld: Uncovering the Pragmatic Depth of Semantic Concepts Using the WWW*
Michael Dittenbach, Helmut Berger, Dieter Merkl, and Florian Eckkrammer
- [3] *Discovering Coordinate Terms from Search Engine Query Log*
Masashi Yamaguchi, Hiroaki Ohshima, Satoshi Oyama, and Katsumi Tanaka
- [4] *Integrating RDF Querying Capabilities into a Distributed Search Infrastructure*
Elena Demidova and Wolfgang Nejdl
- [5] *Semantic Search: An Implementation, Deployments, and Lessons Learned*
Seiji Koide, Masanori Kawamura, Takeshi Morita, Takahira Yamaguchi, and Hideaki Takeda
- [6] *Tools and Methodologies for Constructing Domain Specific Web Search Engine*
Qi Guo, Hang Guo, and Jun Zhang
- [7] *Towards Semantic Web Documents Retrieval through Ontology Mapping: Preliminary Results*
Konstantinos Kotis, and George A. Vouros
- [8] *MOSSE: A Multi Ontological Semantic Search Engine*
Kyumars Sheykh Esmaili, Hassan Abolhassani, Mahmood Neshati, and Babak Bagheri Hariri

W7: Service Discovery on the WWW

Monday, September 4th

- [1] *Filtering of Semantic Web Services with F-WebS system*
Witold Abramowicz, Konstanty Haniewicz, Monika Kaczmarek and Dominik Zyskowski
- [2] *Web Service Scope Annotations*
Jacek Kopecky and Thomas Strang
- [3] *Automated Creation of Precise, Composition-specific SLA Documents in Service-oriented Environments*
Andre Ludwig and Bogdan Franczyk
- [4] *Superconcept Formation System--An Ontology Matching Algorithm for Service Discovery*
Jingshan Huang and Michael Huhns.
- [5] *Grid Service Discovery Integrating UDDI and MDS*
Frederick Lee, Sukesh Garg , Shishir Garg and Pramila Mullan
- [6] *GODO: Goal Oriented Discovery for Semantic Web Services*
Juan Miguel Gomez, Mariano Rico, Francisco Garcia Sanchez and Ioan Toma
- [7] *Collaborative Service Discovery: Old Wine in New Bottles?*
Juan Miguel Gomez, Ioan Toma and Angel Garcia Crespo

