

## ICSC 2010 Detailed Program

- Conference will provide a projector and microphone (but no PCs) for the presenters in each conference room.

<b>Wednesday, September 22</b>	
7:30 – 17:00	<b>Registration</b> Room: Peter
8:00 – 8:50	Breakfast Room: Rangos 1
8:30 – 8:50	<b>Welcome from Conference Chair</b> Room: Rangos 2
8:50 – 10:00	<b>Keynote (1)</b> Room: Rangos 2  Chair: Alexander Hauptmann
	<b>Title:</b> Using Semantics to Improve Interactive Information Access  Dr. Lynda Hardman, Centrum Wiskunde & Informatica, Amsterdam
10:00 – 10:30	Coffee Break (Rangos 1)
10:30 – 12:30	<b>Session 1</b>
<b>Parallel Session 1</b>	<b>ICSC (1): Natural Language Processing</b>
Room	Rangos 2
Session Chair	Ricardo Gacitua
	Extracting Events and Temporal Expressions from Text  Naushad Uzzaman, James Allen
	The Semantic Vectors Package: New Algorithms and Public Tools for Distributional Semantics  Dominic Widdows, Trevor Cohen
	Striking a Balance: Human and Computer Contributions to Learning through Semantic Analysis  Jesse English, Sergei Nirenburg
	Simple Unsupervised Identification of Low-level Constituents  Elias Ponvert, Katrin Erk, Jason Baldridge
	Developing a Dataset for Technology Structure Mining  Behrang Qasemizadeh, Paul Buitelaar, Fergal Monaghan
<b>Parallel Session 1</b>	<b>ICSC (2): Audio, Image, Video, and Speech Analysis (1)</b>
Room	Rangos 3
Session Chair	Donghui Feng

	Automatically Assessing Personality from Speech Tim Polzehl, Sebastian Möller, Florian Metze
	Multi-Camera Monitoring of Infusion Pump Use Zan Gao, Ming-yu Chen, Marcin Detyniecki, Wen Wu, Alexander Hauptmann, Howard Wactlar, Anni Cai
	Subjective Logic Based Approach to Modeling Default Reasoning for Visual Surveillance Seunghan Han, Bonjung Koo, Walter Stechele
	Multimodal Indoor Localization: An Audio-Wireless-Based Approach Oriol Vinyals, Eladio Martin, Gerald Friedland
	iSeM: Approximated Reasoning for Adaptive Hybrid Selection of Semantic Services Matthias Klusch, Patrick Kapahnke
<b>Parallel Session 1</b>	<b>ICSC (3): Semantic Web Services (1)</b>
Room	McKenna
Session Chair	Freddy Lecue
	Combining Collaborative Filtering and Semantic Content-based Approaches to Recommend Web Services Freddy Lecue
	An Explorative Association-Based Search for the Semantic Web Myungjin Lee, Wooju Kim, Taehyung Wang
	OSIRIS NEXT: Flexible Semantic Failure Handling for Composite Web Service Execution Thorsten Möller, Heiko Schuldt
	A Variable Bin Width Histogram-based Image Clustering Algorithm Song Gao, Chengcui Zhang, Wei-Bang Chen
	UNIpedia: A Unified Ontological Knowledge Platform for Semantic Content Tagging and Search Murat Kalender, Jiangbo Dang, Suzan Uskudarli
	Semantic Summarization of WEB Documents Antonio d'Acerno, Vincenzo Moscato, Fabio Persia, Antonio Picariello, Antonio Penta
<b>Parallel Session 1</b>	<b>SS : Special Session on Assorted Topics in Semantic Computing</b>
Room	Wright

Session Chair	Mitsuru Ishizuka
	Towards Linked Needs Alexander M. Abramovich
	A Word Sense Disambiguation Approach for Converting Natural Language Text into a Common Semantic Description Francisco Tacoa, Hiroshi Uchida, Mitsuru Ishizuka
	Managing Uncertainty, Importance and Differing World-Views in ASKNet Semantic Networks Brian Harrington
	Calculating Word Sense Probability Distributions for Semantic Web Applications Xingjian Zhang, Jeff Heflin
	On the Definition of Categories for Image Classification Evaluation Simone Santini
	Feature Selection Using Correlation and Reliability Based Scoring Metric for Video Semantic Detection Qiusha Zhu, Lin Lin, Mei-Ling Shyu, Shu-Ching Chen
12:30 – 14:30	Lunch Room: Rangos 1  <b>Keynote (2): Towards Semantic-Level Visual Search</b> Dr. Shi-Fu Chang, Columbia University, USA Time: 13:15 – 14:25 Chair: Alexander Hauptmann
14:30 – 15:45	<b>Session 2</b>
Room	Rangos 2
	Semantic Challenges (1)  Dr. Manuela Veloso, Carnegie Mellon University Dr. Tom Mitchell, Carnegie Mellon University Dr. Bhavani Thuraisingham, University of Texas, Dallas
Session Chair	Florian Metze
15:45 – 16:15	Coffee Break (Rangos 1)
16:15 – 17:45	<b>Session 3a</b>
Room	Posner
Session Chairs	Alexander Hauptmann and David Evans
	Booster Session: Poster Papers, Demos, Visits, Show&Tell (Each paper has 2 to 3 minutes to present a few slides)  <u>Poster Papers:</u>

A Robust Semantic Parser Designed for Spoken Dialog Systems  
Jérôme Lehen, Thierry Lemeunier

Reference Resolution Supporting Lexical Disambiguation  
Marjorie McShane, Stephen Beale, Sergei Nirenburg

Automatic Concept Detector Refinement for Large-Scale Video  
Semantic Annotation  
Xueliang Liu, Benoit Huet

Speeding-up the Similarity Search in Time Series Databases by  
Coupling Dimensionality Reduction Techniques with a Fast-and-  
dirty Filter  
Muhammad Marwan Muhammad Fuad, Pierre-François Marteau

Web Service Discovery Based on Unified View on Functional and  
Non-Functional Properties  
Martin Junghans, Sudhir Agarwal

Achieving Classification and Clustering in One Shot Lesson Learned  
from Labeling Anonymous Datasets  
Emdad Ahmed

Topic Extraction from Messages in Social Computing Services –  
Determining the number of Topic Clusters-  
Basabi Chakraborty, Takako Hashimoto

Leveraging Domain Expertise to Support Complex, Personalized and  
Semantically Meaningful Queries Across Separate Data Sources  
Cormac Hampson, Owen Conlan

Building a Priori Knowledge Spaces from Interrogative Domains  
Cameron Hughes, Tracey Hughes

Applying an Ontology Learning Methodology to a Relational  
Database: University Case Study  
Richard Gil, María J. Martín-Bautista, Leonardo Contrera

Semantically Enriched Recommender Engine: A Novel Collaborative  
Filtering Approach Using User-to-User Fast Xor Bit Operation  
Leyla Zhuhadar, Olfa Nasraoui, Robert Wyatt

Searching and Browsing Tag Spaces Using the Semantic Tag  
Clustering Search Framework  
Jan-Willem van Dam, Damir Vandic, Frederik Hogenboom, Flavius  
Frasincar

	<p>A Web-based Medical Video Indexing Environment Engin Mendi, Coskun Bayrak</p> <p><u>Demo Papers:</u> Managing Publicity Campaigns with Semantic Technologies Wee-Tiong Ang, Rajaraman Kanagasabai, Wei-Peng Seeto, Francis Tan, Weng-Fei Tang</p> <p>Exploiting Tag Relations to Improve Search in Collaborative Tagging Systems Huairan Lin, Joseph Davis</p> <p>SeaLab Advanced Information Retrieval Fabio Sangiacomo, Alessio Leoncini, Sergio Decherchi, Paolo Gastaldo, Rodolfo Zunino</p> <p>Exploratory Semantic Video Search with yovisto Harald Sack, Jörg Waitelonis</p> <p>Using Social Navigation for Multimedia Content Suggestion Markus Ketter, Johannes Emden, Oliver Vornberger</p> <p>Automatic Speech Recognition System Based on Wavelet Analysis Mariusz Ziółko, Jakub Galka, Bartosz Ziolk, Tomasz Jadczyk, Dawid Skurzok, Jan Wicijowski</p> <p>RDFx: Audio Effects Utilising Musical Metadata Thomas Wilmering, Mark Sandler</p> <p>Demonstration of Cognition Search Kathleen Dahlgren</p>
18:00 – 20:00	<b>Session 3b</b>
Room	Posner
	Reception and Poster Session
	<p><u>Poster Papers:</u> A Robust Semantic Parser Designed for Spoken Dialog Systems Jérôme Lehuen, Thierry Lemeunier</p> <p>Reference Resolution Supporting Lexical Disambiguation Marjorie McShane, Stephen Beale, Sergei Nirenburg</p> <p>Automatic Concept Detector Refinement for Large-Scale Video Semantic Annotation Xueliang Liu, Benoit Huet</p>

	<p>Speeding-up the Similarity Search in Time Series Databases by Coupling Dimensionality Reduction Techniques with a Fast-and-dirty Filter Muhammad Marwan Muhammad Fuad, Pierre-François Marteau</p> <p>Web Service Discovery Based on Unified View on Functional and Non-Functional Properties Martin Junghans, Sudhir Agarwal</p> <p>Achieving Classification and Clustering in One Shot Lesson Learned from Labeling Anonymous Datasets Emdad Ahmed</p> <p>Topic Extraction from Messages in Social Computing Services – Determining the number of Topic Clusters- Basabi Chakraborty, Takako Hashimoto</p> <p>Leveraging Domain Expertise to Support Complex, Personalized and Semantically Meaningful Queries Across Separate Data Sources Cormac Hampson, Owen Conlan</p> <p>Building a Priori Knowledge Spaces from Interrogative Domains Cameron Hughes, Tracey Hughes</p> <p>Applying an Ontology Learning Methodology to a Relational Database: University Case Study Richard Gil, María J. Martín-Bautista, Leonardo Contrera</p> <p>Semantically Enriched Recommender Engine: A Novel Collaborative Filtering Approach Using User-to-User Fast Xor Bit Operation Leyla Zhuhadar, Olfa Nasraoui, Robert Wyatt</p> <p>Searching and Browsing Tag Spaces Using the Semantic Tag Clustering Search Framework Jan-Willem van Dam, Damir Vandic, Frederik Hogenboom, Flavius Frasincar</p> <p>A Web-based Medical Video Indexing Environment Engin Mendi, Coskun Bayrak</p>
<b>Thursday, September 23</b>	
8:00 – 17:00	<b>Registration</b> Room: Peter
8:00 – 8:50	Breakfast Room: Rangos 1
8:50 – 10:00	<b>Keynote (3)</b>

	Room: Rangos 2 Chair: Phillip C.Y. Sheu
	<b>Title:</b> Semantic Computing and Smart Cyberinfrastructure Dr. Tony Hey, Microsoft Corporation
10:00 – 10:30	Coffee Break (Rangos 1)
10:30 – 12:00	<b>Session 4:</b> Demonstrations and Show&Tell
Room	Rangos 2&3
Session Chair	Joy Zhang
	<p><u>Demo Papers:</u>  Managing Publicity Campaigns with Semantic Technologies  Wee-Tiong Ang, Rajaraman Kanagasabai, Wei-Peng Seeto, Francis Tan, Weng-Fei Tang</p> <p>Exploiting Tag Relations to Improve Search in Collaborative Tagging Systems  Huairan Lin, Joseph Davis</p> <p>SeaLab Advanced Information Retrieval  Fabio Sangiacomo, Alessio Leoncini, Sergio Decherchi, Paolo Gastaldo, Rodolfo Zunino</p> <p>Exploratory Semantic Video Search with yovisto  Harald Sack, Jörg Waitelonis</p> <p>Using Social Navigation for Multimedia Content Suggestion  Markus Ketter, Johannes Emden, Oliver Vornberger</p> <p>Automatic Speech Recognition System Based on Wavelet Analysis  Mariusz Ziółko, Jakub Galka, Bartosz Ziolk, Tomasz Jadczyk, Dawid Skurzok, Jan Wicijowski</p> <p>RDFx: Audio Effects Utilising Musical Metadata  Thomas Wilmering, Mark Sandler</p> <p>Demonstration of Cognition Search  Kathleen Dahlgren</p>
12:00 – 13:30	Lunch (on your own)
13:30 – 15:30	<b>Session 5</b> CMU Visits
15:30 – 16:00	Coffee Break (Rangos 1)
16:00 – 17:30	<b>Session 6</b>
<b>Parallel Session 6</b>	<b>ICSC (4): Data and Web Mining (1)</b>
Room	Rangos 2
Session Chair	Burak Ozyurt

	A Random Walk Framework to Compute Textual Semantic Similarity: a Unified Model for Three Benchmark Tasks Majid Yazdani, Andrei Popescu-Belis
	A Locality Sensitive Hashing Approach for Conceptual Classification Luciano B. de Paula, Rodolfo S. Villaça, and Maurício F. Magalhães
	Semantic Image Analysis for Cervical Neoplasia Detection Sun Young Park, Dusty Sargent, Rolf Wolters, Richard W. Lieberman
	Learning A Query Parser for Local Web Search Donghui Feng, James Shanahan, Nate Murray, Remi Zajac
	Using Virtual Services to Bridge the Semantic Gap Jicheng Fu, Wei Hao, I-Ling Yen, Farokh Bastani
<b>Parallel Session 6</b>	<b>ICSC (5): Interoperability, Service, &amp; Ontology Integration (1)</b>
Room	Rangos 3
Session Chair	Claudia d'Amato
	A Comparison of Approaches for Geospatial Entity Extraction from Wikipedia Daryl Woodward, Jeremy Witmer, Jugal Kalita
	Ontology and Model Alignment as a Means for Requirements Validation Leonid Kof, Ricardo Gacitua, Mark Rouncefield, Peter Sawyer
	News Event Modeling and Tracking in the Social Web with Ontological Guidance Viet Ha-Thuc, Yelena Mejova, Christopher Harris, Padmini Srinivasan
	Ranking Documents Semantically Using Ontological Relationships Boanerges Aleman-Meza, I. Budak Arpinar, Mustafa V. Nural, Amit P. Sheth
	Leveraging Gene Ontology Annotations to Improve a Memory-Based Language Understanding System Kevin Livingston, Helen Johnson, Karin Verspoor, Lawrence Hunter
<b>Parallel Session 6</b>	<b>ICSC (6): Semantic Web Services (2)</b>
Room	McKenna
Session Chair	Silviu Cucerzan
	Using Context Similarity for Service Recommendation



	Liwei Liu, Freddy Lecue, Nikolay Mehandjiev, Dong-Ling Xu
	Ranking Entity Facets based on User Click Feedback  Roelof van Zwol, Lluís Garcia Pueyo, Mridul Muralidharan, Börkur Sigurbjörnsson
	Spatial Knowledge Representation on the Semantic Web  Frederik Hogenboom, Bram Borgman, Flavius Frasinca, Uzay Kaymak
	Semantic TagPrint - Tagging and Indexing Content for Semantic Search and Content Management  Murat Kalender, Jiangbo Dang, Suzan Uskudarli
<b>Parallel Session 6</b>	<b>ICSC (7): Content-based Multimedia Retrieval and Editing</b>
Room	Wright
Session Chair	David Ostrowski
	Comparative Study on Subject Classification of Academic Videos using Noisy Transcripts  Hau-wen Chang, Hung-sik Kim, Shuyang Li, Jeongkyu Lee, Dongwon Lee
	Automated illustration of news stories  Diogo Delgado, Joao Magalhaes, Nuno Correia
	A Joint Content-event Model for Event-centric Multimedia Indexing  Nikolaos Gkalelis, Vasileios Mezaris, Ioannis Kompatsiaris
	Video Object Mining: Issues and Perspectives  Jonathan Weber, Sébastien Lefèvre, Pierre Gançarski
	A Conceptual Probabilistic Model for the Induction of Image Semantics  Giovanni Pilato, Filippo Vella, Giorgio Vassallo, Marco La Cascia
18:00 – 22:00	<b>Banquet</b> <b>Room: Jimmy Tsang's Restaurant</b>  Semantic Challenges (2) Dr. Roger B. Dannenberg, Carnegie Mellon University Dr. Rebecca Crowley, University of Pittsburgh  Chair: Florian Metze
<b>Friday, September 24</b>	
8:00 – 17:00	<b>Registration</b> Room: Peter

8:00 – 8:50	Breakfast Room: Rangos 1
8:50 – 10:00	<b>Keynote (4)</b> Room: Rangos 2  Chair: David Evans
	<b>Title:</b> What I Learned About Semantics from Textual Question Answering  Dr. Sanda Harabagiu, University of Texas, Dallas, USA
10:00 – 10:30	Coffee Break (Rangos 1)
10:30 – 12:30	<b>Session 7</b>
<b>Parallel Session 7</b>	<b>ICSC (8): Data and Web Mining (2)</b>
Room	Rangos 2
Session Chair	Vasileios Mezaris
	A Verb-centric Approach for Relationship Extraction in Biomedical Text  Abhishek Sharma, Rajesh Swaminathan, Hui Yang
	Semi-supervised Methods for Biomedical Hedge Classification  Burak Ozyurt
	Sentiment Mining within Social Media for Topic Identification  David Ostrowski
	Another Look at Causality: Discovering Scenario-Specific Contingency Relationships with No Supervision  Mehwish Riaz, Roxana Girju
	Mixed Group Discovery: Incorporating Group Linkage with Alternatively Consistent Social Network Analysis  Shu Huang
<b>Parallel Session 7</b>	<b>ICSC (9): Semantic System Design and Synthesis</b>
Room	Rangos 3
Session Chair	Jicheng Fu
	TAKE Scientist’s Workbench: Semantic Search and Citation-based Visual Navigation in Scholar Papers  Ulrich Schäfer, Christian Spurk
	Using Model Transformation Semantics for Aspects Composition  Samuel A. Ajila, Dorina Petriu, Pantanowitz Motshegwa
	A Taxonomy-based Model for Expertise Extrapolation  Delroy Cameron, Boanerges Aleman-Meza, I. Budak Arpinar,

	Sheron L. Decker, Amit P. Sheth
	Using Soft Constraints to Interpret Descriptions of Shapes Sergio Guadarrama, David Pancho
	Efficient Resource Retrieval from Semantic Knowledge Bases Claudia d'Amato, Steffen Staab, Nicola Fanizzi, Floriana Esposito
<b>Parallel Session 7</b>	<b>IEEE Technical Committee on Semantic Computing Meeting</b>
Room	McKenna
Session Chair	Chair: Phillip C.Y. Sheu
<b>Parallel Session 7</b>	<b>International Workshop on Semantic Web And Reasoning for Cultural Heritage and Digital Libraries (SWARCH-DL) (1)</b> Session I: Cultural Heritage Ontologies and Applications
Room	Wright
Session Chair	Dimitrios A. Koutsomitropoulos
10:30 – 10:50	Welcome and Workshop Opening Semantic Web and Reasoning for Cultural Heritage and Digital Libraries: An Overview Dimitrios A. Koutsomitropoulos
10:50 – 11:15	Intelligent Book Mashup: Using Semantic Web Ontologies and Rules for User Personalisation Aikaterini Kalou, Tzanetos Pomonis, Dimitrios Koutsomitropoulos, Theodore S. Papatheodorou
11:15 – 11:40	Museum of London - Collections Information Integration Module Alex Bromley, Rob Tice
11:40 – 12:05	Toward a Novel Application of CIDOC CRM to Underwater Archaeological Surveys Olivier Curé, Mariette Sérayet, Odile Papini, Pierre Drap
12:05 – 12:30	Detecting Shape Similarities in 3D Pottery Repositories Anestis Koutsoudis, George Pavlidis, Christodoulos Chamzas
12:30 – 13:45	Lunch Room: Rangos 1 Semantic Challenges (3) Dr. Gregory Grefenstette, Exalead Dr. Kevin D. Ashley, University of Pittsburgh Chair: David Evans
13:45 – 15:45	<b>Session 8</b>
<b>Parallel Session 8</b>	<b>ICSC (10): Interoperability, Service, &amp; Ontology Integration (2)</b>

Room	Rangos 2
Session Chair	Hui Yang
	Bi-directional Translation of Relational Data into Virtual RDF Stores  Sunitha Ramanujam, Vaibhav Khadilkar, Latifur Khan, Steven Seida, Murat Kantarcioglu, Bhavani Thuraisingham
	Semantic Validation of BPEL Fragment Compositions  Marian Harbach, Tim Dörnemann, Ernst Juhnke, Bernd Freisleben
	Ontology-Driven Event Detection and Indexing in Smart Spaces  Zang Li, Chao-Hsien Chu, Wen Yao, Richard Behr
	Disambiguating Keyword Queries on RDF Databases Using “Deep” Segmentation  Haizhou Fu, Sidan Gao, Kemafor Anyanwu
	Topic Pages: An Alternative to the Ten Blue Links  Niranjan Balasubramanian, Silviu Cucerzan
<b>Parallel Session 8</b>	<b>ICSC (11): Audio, Image, Video, and Speech Analysis (2)</b>
Room	Rangos 3
Session Chair	Yu-Tzu Lin
	On the use of visual soft semantics for video temporal decomposition to scenes  Vasileios Mezaris, Panagiotis Sidiropoulos, Anastasios Dimou, Ioannis Kompatsiaris
	MySpace Video Recommendation with Map-Reduce on Qizmt  Yohan Jin, Mingqing Hu, Harbir Singh, Daniel Rule, Mikhail Berlyant, Zhuli Xie
	Learning-focused Structuring for Blackboard Lecture Videos  Yu-Tzu Lin, Hsiao-Ying Tsai, Chia-Hu Chang, Greg Lee
	Web-inspired Sentence Complexity Index  Juan-Pablo Ramirez, Alexander Raake, Ashkan Sharifi, Hamed Ketabdar
	Joint-AL: Joint Discriminative and Generative Active Learning for Cross-domain Semantic Concept Classification  Huan Li, Yuan Shi, Mingyu Chen, Alex Hauptmann, Zhang Xiong
<b>Parallel Session 8</b>	<b>International Workshop on Semantic Web And Reasoning for Cultural Heritage and Digital Libraries (SWARCH-DL) (2)</b>  Session II: Web-based Collections and Digital Libraries

Room	Wright
Session Chair	Dimitrios A. Koutsomitropoulos
13:45 – 14:10	A Bi-directional Semantic Framework for Bibliographic Metadata  John Del Corral, Benno Blumenthal
14:10 – 14:35	The Use of SKOS Vocabularies in Digital Repositories: The DSpace Case  Georgia Solomou, Theodore S. Papatheodorou
14:35 – 15:00	Proposal of a Goal-Oriented Shared Catalog Model  Alicia Sellès Carot, Enrique Orduna-Malea, Jorge Serrano-Cobos, Nuria Lloret Romero
15:00 – 15:25	A Semantic Web Personalizing Technique: The Case of Bursts in Web Visits  Dimitris Antoniou, Mersini Paschou, Efrosini Sourla, Athanasios Tsakalidis
15:25 – 15:45	Discussion – Closing for SWARCH-DL
15:45 – 16:15	Coffee Break (Rangos 1)
16:15 – 17:15	Closing Session
Room	Rangos 2
Session Chair	Phillip C.Y. Sheu
17:15 – 18:00	<b>ICSC2011 Planning Meeting</b>
Room	Rangos 2
Session Chair	Phillip C.Y. Sheu