

ICSC 2013 Detailed Program

- In each conference room, a projector (but no PCs) is provided.

September 16 (Monday)	
7:30 – 17:00	Registration Room: Grand Foyer E
7:30 – 8:30	Breakfast Room: Grand Foyer E
8:30 – 8:50	Welcome from Conference Chair Room: Salon E
8:50 – 10:00	Keynote (1): Dr. Aaron Brown, Google Inc. Title: Making Search Smarter: Semantics, Google’s Knowledge Graph, and the Future of Search Room: Salon E Chair: Abha Moitra
10:00 – 10:20	Coffee Break (Grand Foyer E)
10:20 – 11:50	Session 1
Parallel Session 1	ICSC (1): Semantics Analysis, Integration, and Interfaces (I)
Room	Salon E
Session Chair	Rafael Pasquini
	Dataset Retrieval Sven R. Kunze and Sören Auer
	Structural Parse Tree Features for Text Representation Sean Massung, Chengxiang Zhai, and Julia Hockenmaier
	Improving Entity Linking Performance using Frame Semantics Mustafa V. Nural, John A. Miller and I. Budak Arpinar
Parallel Session 1	ICSC (2): Applications using Semantics (I)
Room	Quail Hill
Session Chair	Javed I Khan
	A Distant Supervision Method for Product Aspect Extraction from Customer Reviews Juergen Bross
	Semantic Computing for Railway Infrastructure Verification Michael Lodemann, Norbert Luttenberger, and Elferik Schulz
	Mapping Semantic Workflows to Alternative Workflow Execution Engines Yolanda Gil
Parallel Session 1	ICSC (3): Semantic-based Analysis for Natural Language Processing and Applications (I)

Room	Woodbridge
Session Chair	Marco Rospocher
	Applying Textual Entailment to the Interpretation of Metaphor Michael Mohler, Marc Tomlinson, and David Bracewell
	WordNet Hierarchy Axiomatization and the Mass-Count Distinction Jonathan Gordon and Lenhart K. Schubert
	About the Influence of Negative Context Nadine Steinmetz and Harald Sack
11:50 – 13:00	Lunch (on your own)
13:00 – 15:00	Session 2
Parallel Session 2	ICSC (4): Semantics Analysis, Integration, and Interfaces (II)
Room	Salon E
Session Chair	Lakshmi Ramachandran
	Emoticon Recommendation for Japanese Computer-Mediated Communication Yuki Urabe, Rzepka Rafal and Kenji Araki
	Semantic Entity Search Diversification Tuukka Ruotsalo and Matias Frosterus
	Interlinking Unstructured and Structured Knowledge in an Integrated Framework Francesco Corcoglioniti, Marco Rospocher, Roldano Cattoni, Bernardo Magnini and Luciano Serafini
	Semantic Models as a Combination of Free Association Norms and Corpus-based Correlations Derrall Heath, David Norton, Eric Ringger and Dan Ventura
Parallel Session 2	ICSC (5): Semantics Mining, Learning, and Applications (I)
Room	Quail Hill
Session Chair	Nadine Steinmetz
	An Ontology-Based Reasoning Approach for Document Annotation Celso Araujo Fontes, Maria Cláudia Cavalcanti, and Ana Maria de C. Moura
	An Eye States Detection Method by Using WLBP Fan Liu, Jinhui Tang, and Zhenmin Tang
	Large Scale Sequential Learning from Partially Labeled Data Jianqiang Li, Chunchen Liu, and Bo Liu
	Towards Transfer Learning of Link Specifications Axel-Cyrille Ngonga Ngomo, Jens Lehmann, and Mofeed Hassan
Parallel Session 2	The International Workshop on Semantic Computing for Social

	Networks: from user information to social knowledge (SCSN 2013 Workshop)
Room	Woodbridge
Session Chair	David Ostrowsky
	Multi Topic Distribution Model for Topic Discovery in Twitter Lei Zheng and Kai Han
	A Study on Classification Methods Applied to Sentiment Analysis Valentina Mazzonello, Salvatore Gaglio, Agnese Augello, and Giovanni Pilato
	Managing User Social Context to Enhance Data-oriented Applications Marcelo Freitas, Davi Bandeira, Livio Ribeiro, Thiago Moura, and Damires Souza
	Evaluating E-Commerce System Security Using Fuzzy Multi-criterion Decision-Making Wen Jiang, Zhenjian Li, Jia Jia, and Dianting Liu
15:00 – 15:20	Coffee Break (Grand Foyer E)
15:20 – 16:50	Session 3
Parallel Session 3	ICSC (6): Semantics Analysis, Integration, and Interfaces (III)
Room	Salon E
Session Chair	Wei Chen
	An Ordered Relatedness Metric for Relevance Identification Lakshmi Ramachandran and Edward F. Gehring
	A Similarity Search System Based on the Hamming Distance of Social Profiles Rodolfo da Silva Villaça, Luciano Bernardes de Paula, Rafael Pasquini, and Maurício Ferreira Magalhães
	A Synergistic Framework for Geographic Question Answering Wei Chen, Eric Fosler-Lussier, Ningchuan Xiao, Satyajeet Raje, Rajiv Ramnath, and Daniel Sui
Parallel Session 3	ICSC (7): Semantic-based Analysis for Web Applications (I)
Room	Quail Hill
Session Chair	Yolanda Gil
	Semantic Positioning -- An Innovative Approach for Providing Location-based Services based on the Web of Data Abdulbaki Uzun, Mohamed Salem, and Axel Küpper
	Advanced Semantic Deep Search for 3D Scenes Xiaoqi Cao and Matthias Klusch
	Extracting Cybersecurity Related Linked Data from Text

	Arnav Joshi, Ravendar Lal, Tim Finin, and Anupam Joshi
Parallel Session 3	Special Workshop on Data Science and Graph Analytics
Room	Woodbridge
Session Chair	Damires Souza
	Does Sequence of Presentation Matter in Reading Comprehension? A Model Based Analysis of Semantic Concept Network Growth during Reading Javed I Khan and Manas S. Hardas
	Semantic Computing and Drug Discovery: A Preliminary Report Charles C.N. Wang, David A. Hecht, Phillip C-Y Sheu, and Jeffrey J.P. Tsai
	Automatic Discovery of Bioluminescent Proteins from Large Protein Databases Tao Meng, Mei-Ling Shyu, and Hua Zhang
18:00 – 19:30	Session 4: Poster Session
Room	Terrace Court
Session Chair	George Wang
	A Customizable Time Warping Method for Motion Alignment S. Ali Etemad and Ali Arya The Design of a Hybrid Feature Detector for Adult Images Min-Jen Tsai and Hsuan-Shao Chang A Novel Method for Ontology Integration by Evaluating Member Equivalence V. Rajeswari, Aravind Selvan, and Dharmishtan K. Varughese An A* based Semantic Tokenizer for Increasing the Performance of Semantic Applications Arianna Pipitone, Maria Carmela Campisi, and Roberto Pirrone An RDF-based Framework for Semantic Indexing of Web Pages Flora Amato, Vincenzo Moscato, Fabio Persia, Antonio Picariello, and Francesco Gargiulo Proposed Testing Infrastructure for Automation of the GPU Chip Validation Leading to Painless Driver Development Akash Kulkarni Semantic Advertising Ben Zamanzadeh and Naveen Ashish
September 17 (Tuesday)	
7:30 – 17:00	Registration

	Room: Grand Foyer E
7:30 – 8:30	Breakfast Room: Grand Foyer E
8:50 – 10:00	Keynote (2): Mr. Dennis E. Wisnosky, Formerly Chief Architect and Chief Technical Officer of the Department of Defense Title: It is 2013 - Do you know where your money is? Room: Salon E Chair: Giovanni Pilato
10:00 – 10:20	Coffee Break (Grand Foyer E)
10:20 – 11:50	Open Informative Forum on NSF I/UCRC for Semantic Computing (SC) Room: Salon E Chair: Phil Sheu
11:50 – 13:00	Lunch (on your own)
13:00 – 15:00	Session 5
Parallel Session 5	ICSC (8): Semantics Analysis, Integration, and Interfaces (IV)
Room	Salon E
Session Chair	Hong Man
	A Framework for Composition and Reuse on the Linked Open Data Cristiano E. Ribeiro and Adriana S. Vivacqua
	Small Human Group Detection and Event Representation Based on Cognitive Semantics Yafeng Yin, Guang Yang, and Hong Man
	mOntage: Building Domain Ontologies from Linked Open Data Shima Dastgheib, Arsham Mesbah and Krys Kochut
	Type Prediction for Efficient Coreference Resolution in Heterogeneous Semantic Graphs Jennifer Sleeman and Tim Finin
Parallel Session 5	ICSC (9): Semantic-based Analysis for Web Applications (II)
Room	Quail Hill
Session Chair	Nadine Steinmetz
	Analysis of Big Data Technologies and Methods - Query Large Web Public RDF Datasets on Amazon Cloud Using Hadoop and Open Source Parsers Ted Garcia and Taehyung (George) Wang
	The Democratization of Semantic Properties: An Analysis of Semantic Wikis Yolanda Gil, Angela Knight, Kevin Zhang, Larry Zhang, Varun Ratnakar, and Ricky Sethi
	Automatic Tagging of Functional-Goals for Goal-Driven Semantic Service Discovery

	Yuchul Jung, Yoonsung Cho, Yoo-Mi Park, and Taedong Lee
	An Efficient Implementation of Equivalence Relations in OWL via Rule and Query Rewriting Hans-Ulrich Krieger
Parallel Session 5	ICSC (10): Semantic-based Analysis for Natural Language Processing and Applications (II)
Room	Woodbridge
Session Chair	Jens Lehmann
	An Event Based Denotational Semantics for Natural Language Queries to Data Represented in Triple Stores Richard Frost, Bryan St. Amour, and Randy Fortier
	Improving Search Query Matching for Electronic TV Program Guide Data Extraction Denis Kiselev, Rafal Rzepka, and Kenji Araki
	Mapping Natural Language Questions to SPARQL Queries for Job Search Naila Kareem, Khalid Latif, Nabeel Ahmed, Mishall Fatima and Ahmad Atif Mumtaz
	Open Information Extraction via Contextual Sentence Decomposition Hannah Bast and Elmar Haußmann
15:00 – 15:20	Coffee Break (Grand Foyer E)
15:20 – 16:50	Session 6
Parallel Session 6	ICSC (11): Semantic Multimedia (I)
Room	Salon E
Session Chair	Mei-Ling Shyu
	On The Semantic Security of Secret Image Sharing Methods Shreelatha Bhadravati, Majid Khabbazian, and Pradeep K. Atrey
	Are Actor and Action Semantics Retained in Video Supervoxel Segmentation? Chenliang Xu, Richard F. Doell, Stephen José Hanson, Catherine Hanson, and Jason J. Corso
	Semantic Retrieval for Videos in Non-static Background Using Motion Saliency and Global Features Dianting Liu and Mei-Ling Shyu
Parallel Session 6	ICSC (12): Semantics Mining, Learning, and Applications (II)
Room	Quail Hill
Session Chair	Richard Frost
	An unsupervised Data-driven Cross-Lingual Method for Building High Precision Sentiment Lexicons

	Pierluca Sangiorgi, Agnese Augello, and Giovanni Pilato
	Semi-supervised Modeling of Social Actions in Online Dialogue David Bracewell, Marc Tomlinson, and Hui Wang
	Keyword Query Expansion on Linked Data Using Linguistic and Semantic Features Saeedeh Shekarpour, Konrad Höffner, Jens Lehmann, and Sören Auer
Parallel Session 6	Industry
Room	Woodbridge
Session Chair	Seppo Törmä
	Semantic Filtering in Social Media for Trend Modeling David Alfred Ostrowski
	Application of an Ontology-Based and Rule-Based Model in Electric Power Utilities Arnaud Zinflou, Mohamed Gaha, Alexandre Bouffard, Luc Vouligny, Christian Langheit, and Mathieu Viau
	Semantic Linking of Building Information Models Seppo Törmä
18:00 – 22:00	Banquet Room: Garden Pavilion Keynote (3): Dr. Yasushi Kiyoki, Keio University, Japan Title: A “Kansei” Multimedia Computing System for Environmental Analysis and Cross-Cultural Communication Chair: Shlomo Dubnov
September 18 (Wednesday)	
7:30 – 17:00	Registration Room: Grand Foyer E
7:30 – 8:30	Breakfast Room: Grand Foyer E
8:50 – 10:00	Keynote (4): Dr. Jans Aasman, Franz Inc. Title: Complex event handling with Semantic Technology Room: Salon E Chair: Brian Harrington
10:00 – 10:20	Coffee Break (Grand Foyer E)
10:20 – 11:50	Panel: Semantic Computing and Industrial Internet Room: Salon E Chair: Abha Moitra (GE Global Research) Panel Members: David Ostrowski and Aaron Brown
11:50 – 13:00	Lunch (on your own)

13:00 – 15:00	Session 7
Parallel Session 7	ICSC (13): Semantics Analysis, Integration, and Interfaces (V)
Room	Salon E
Session Chair	George Wang
	Document Summarization Using Semantic Clouds Antonio M. Rinaldi
	Modeling Changes for SHOIN(D) Ontologies An Exhaustive Structural Model Perrine Pittet, Christophe Cruz, and Christophe Nicolle
	Speeding up Batch Alignment of Large Ontologies Using MapReduce Uthayasanker Thayasivam and Prashant Doshi
	Knowledge Representation and Adaptation within Ontological Semantic Technology Christian F. Hempelmann and Max Petrenko
Parallel Session 7	ICSC (14): Semantic-based Analysis for Web Applications (III)
Room	Quail Hill
Session Chair	Giovanni Pilato
	Detection, Clustering and Tracking of Life Cycle Events on Twitter Using Electric Fields Analogy Diego Terrana and Giovanni Pilato
	Casablanca: Towards a Dataset-Independent Tool for Semantic Web Annotation Arthur Bit-Monnot, Adriana S. Vivacqua, and João Carlos P. Da Silva
	Large-scale RDF Dataset Slicing Edgard Marx, Saeedeh Shekarpour, Sören Auer, and Axel-Cyrille Ngonga Ngomo
	Detecting Life Events in Feeds from Twitter Barbara Di Eugenio, Nick Green, and Rajen Subba
Parallel Session 7	ICSC (15): Edutainment using Semantics
Room	Woodbridge
Session Chair	Shlomo Dubnov
	The Hidden Potential of Movie Genome Communities: Analyzing Fine-Grained Semantic Information in Motion Pictures Suman Deb Roy and Wenjun Zeng
	Can we Create Better Links by Playing Games? Jens Lehmann, Tri Quan Nguyen, and Timofey Ermilov
	Getting Creative with Semantic Similarity

	Ching-Yun Chang, Stephen Clark, and Brian Harrington
	DistributeDJ: A Mobile Group Music Making Toolkit Daniel Shapira and Shlomo Dubnov
15:00 – 15:20	Coffee Break (Grand Foyer E)
15:20 – 16:50	Session 8
Parallel Session 8	ICSC (16): Applications using Semantics (II)
Room	Salon E
Session Chair	Brian Harrington
	Semantic Medical Prescriptions -- Towards Intelligent and Interoperable Medical Prescriptions Ali Khalili and Bitá Sedaghati
	Automatic Generation of a Qualified Medical Knowledge Graph and its Usage for Retrieving Patient Cohorts from Electronic Medical Records Travis Goodwin and Sanda M. Harabagiu
	Performance Improvement of Drug Effects Extraction System from Japanese Blogs Shiho Kitajima, Rafal Rzepka, and Kenji Araki
Parallel Session 8	ICSC (17): Semantic Multimedia (II)
Room	Quail Hill
Session Chair	Ramesh Jain
	Context-Based Event Ontology Extension in Multimedia Applications Setareh Rafatirad, Ramesh Jain, and Kathryn Laskey
	Distance-based Trace Diagnosis for Multimedia Applications: Help me TED! Christiane Kamdem Kengne, Noha Ibrahim, Marie-Christine Rousset, and Maurice Tchuente
	Homomorphic Low Pass Filtering on Encrypted Multimedia Over Cloud Ankita Lathey, Pradeep K. Atrey and Nishant Joshi
Parallel Session 8	ICSC 2014 Planning
Room	Woodbridge
Session Chair	Phil Sheu

Tutorials

(Room: Saddleback)

September 16 (Monday)	
10:20 – 12:50	Tutorial: Semantic Computing in Financial Industry
14:00 – 17:00	Tutorial: Semantic Computing in Healthcare Industry
September 17 (Tuesday)	
14:00 – 17:00	Tutorial: Semantic Computing for Edutainment
September 18 (Wednesday)	
14:00 – 17:00	Tutorial: Semantic Computing in Social Media
19:00 – 21:30	Tutorial: Human Systems Integration (HSI) in Semantic Computing and Graph Analytics
September 19 (Thursday)	
9:00 – 16:00	Tutorial: Data Science