

ICSC 2015 Detailed Program

February 7 (Saturday)	
7:30-17:00	Registration
7:30-8:30	Breakfast
8:30-8:50	Welcome from Conference Chair
8:50-10:00	Keynote (1): Dr. Charles Elkan Room: Orange County 1&2 Session Chair: Dr. Ching-Yung Lin
10:00-10:20	Coffee Break
10:20-11:30	Keynote (2): Dr. Ramesh Jain Room: Orange County 1&2 Session Chair: Dr. Abha Moitra
11:30-12:40	Lunch (on your own)
12:40-14:20	Session 1
Parallel Session 1	ICSC (1): Semantics Mining, Learning, and Applications
Room	Orange County 1&2
Session Chair	Yanfang Ye
Full paper (25 minutes)	Omair Shafiq Semantic Logs and Semantic FP-Tree based Association Rule Mining for Effective Web Service Ranking
Full paper (25 minutes)	Kevin Nam, Taylor Locke and Sarah Yenson Advisory Services for User Composition Tools
Full paper (25 minutes)	Fabrício H. Rodrigues, Cecilia Flores and Liane Nanci Rotta An Ontology Design Pattern to Represent Universal Relationships
Full paper (25 minutes)	Shibily Joseph and Chinsha T C A Syntactic Approach for Aspect Based Opinion Mining

Parallel Session 1	ICSC (2): Semantic Multimedia
Room	Orange County 3
Session Chair	Yoo-mi Park
Full paper (25 minutes)	De Cheng, Jinjun Wang, Xing Wei, Nan Liu, Shizhou Zhang, Yihong Gong and Nanning Zheng Cascade Object Detection with Complementary Features and Algorithms Invited paper
Full paper (25 minutes)	Abdulbaki Uzun Linked Crowdsourced Data - Enabling Location Analytics in the Linking Open Data Cloud
Full paper (25 minutes)	Christopher Harris and Ian Harris Generating Formal Hardware Verification Properties from Natural Language Documentation
Full paper (25 minutes)	David Etter and Carlotta Domeniconi SemRank: Semantic Rank Learning for Multimedia Retrieval
Parallel Session 1	ICSC (3): Semantics Mining, Learning, and Applications
Room	Orange County 4
Session Chair	Pathmeswaran Raju
Short paper (15 minutes)	Zenun Kastrati, Ali Shariq Imran and Sule Yildirim Yayilgan SEMCON: Semantic and Contextual Objective Metric
Short paper (15 minutes)	Xing Tan and Giri Kumar Tayi An Ontological and Hierarchical Approach for Supply Chain Event Aggregation
Short paper (15 minutes)	Talal Bonny and Bassel Soudan Filtering Technique for High Speed Database Sequence Comparison
Short paper (15 minutes)	Sukanya Manna, Xing Hu and Robert Correa Towards Multi-lingual Adaptability of Subjective Logic Based Document Summarization: A Case Study with Chinese Documents
Short paper (15 minutes)	Mayu Sakurada, Takehisa Yairi, Yuta Nakajima, Naoki Nishimura and Devi Parikh Semantic Classification of Spacecraft's Status: Integrating System Intelligence and Human Knowledge
14:20-14:40	Coffee Break

14:40-16:20	Session 2
Parallel Session 2	ICSC (4): Semantics Integration and Analysis
Room	Orange County 1&2
Session Chair	Omair Shafiq
Full paper (25 minutes)	Yanfang Ye Intelligent Malware Detection Based on File Relation Graphs Invited paper
Full paper (25 minutes)	Lubomir Stanchev Semantic Search Using a Similarity Graph
Full paper (25 minutes)	Jinho Shin, Sungkwang Eom and Kyong-Ho Lee Q-ASSF: Query-Adaptive Semantic Stream Filtering
Full paper (25 minutes)	Diego Terrana, Agnese Augello and Giovanni Pilato A System for Analysis and Comparison of Social Network Profiles
Parallel Session 2	ICSC (5): Semantic Multimedia
Room	Orange County 3
Session Chair	Ansgar Scherp
Short paper (15 minutes)	Xijiang Ke, Hai Jin, Xia Xie and Jie Cao A Distributed SVM Method based on the Iterative MapReduce
Short paper (15 minutes)	Iman Rasekh A new Competitive Intelligence-based strategy for Web Page Search
Short paper (15 minutes)	Maryam Davoudpour, Alireza Sadeghian and Hossein Rahnama “CANthings”(Context Aware Network for the Design of Connected Things) Service Modeling Based on Timed CPN
Parallel Session 2	Industry Session (1)
Room	Orange County 4
Session Chair	Keira Zhou
(25 minutes)	Douglas Smith and Charles McManis Classification of text to subject using LDA Invited paper

(25 minutes)	Sailesh Kumar Sathish, Anish Anil Patankar, Nirmesh Neema, Swetha Mysore Jagadeesha and Nimesh Priyodit Evolving the User Graph: From Unsupervised Topic Models to Knowledge Assisted Networks
(25 minutes)	Mehul Vora Workload Pattern Analysis
16:20-17:20	Session 3 Panel I Role of Semantics in Analytics Room: Orange County 1&2 Session Chair: David Ostrowski
17:20-18:20	Session 4 Poster Session Room: Orange County 1&2
18:20 – 20:20	Reception Room: Orange County 3&4
	February 8 (Sunday)
7:30-17:00	Registration
7:30-8:30	Breakfast
8:30-9:40	Keynote (3): Mr. David Newman Room: Orange County 1&2 Session Chair: Dr. Phil Sheu
9:40-10:00	Coffee Break
10:00-12:00	Session 5
Parallel Session 5	Tutorial 1: Big Data Technologies (Hands-on) Workshop with Apache Spark and Amazon Web Services Dr. David Ostrowski (Ford Research) Room: Orange County 1&2
Parallel Session 5	Tutorial 2: Role of Semantic Logs with Advanced Analytics in Application Monitoring and Management Dr. Omair Shafiq (Univ. of Calgary) Room: Orange County 3

Parallel Session 5	ICSC (6): Semantic-based Analysis for Web Applications
Room	Orange County 4
Session Chair	Krishna Sapkota
Full paper (25 minutes)	Quanzeng You, Jianbo Yuan, Jiaqi Wang, Philip Guo and Jiebo Luo Snap n' Shop: Visual Search-Based Mobile Shopping Made a Breeze by Machine and Crowd Intelligence Invited paper
Full paper (25 minutes)	Heng Chen, Hai Jin, Feng Zhao and Lei Zhu Schema Adaptive Modeling and Incremental Matching for Web Interface
Full paper (25 minutes)	Yanfang Ye Cluster-Oriented Ensemble Classifiers for Intelligent Malware Detection
Short paper (15 minutes)	Gregor Große-Bölting, Chifumi Nishioka and Ansgar Scherp Generic Process for Extracting User Profiles from Social Media using Hierarchical Knowledge Bases
12:00-13:30	Lunch (on your own)
13:30-15:10	Session 6
Parallel Session 6	ICSC (7): Semantics Mining, Learning, and Applications
Room	Orange County1&2
Session Chair	Hiroaki Yamane
Full paper (25 minutes)	Yimin Yang, Daniel Lopez, Haiman Tian, Samira Pouyanfar, Fausto Fleites, Shu-Ching Chen and Shahid Hamid Integrated Execution Framework for Catastrophe Modeling Invited paper
Full paper (25 minutes)	Yuta Ohwatari, Takahiro Kawamura, Yuichi Sei, Yasuyuki Tahara and Akihiko Ohsuga Estimation of Character Diagram from Open-Movie Databases for Cultural Understanding
Full paper (25 minutes)	Lydia Odilinye, Fred Popowich, Evan Zhang, John Nesbit and Philip Winne Aligning Automatically Generated Questions to Instructor Goals and Learner Behaviour

Full paper (25 minutes)	I-Ling Yen A CFL-Ontology Model for Carbon Footprint Reasoning
Parallel Session 6	ICSC (8): Semantics Integration and Analysis
Room	Orange County 3
Session Chair	Xing Tan
Short paper (15 minutes)	Azze-Eddine Maredj and Nourredine Tonkin CSP-based Adaptation of Multimedia Documents Composition
Short paper (15 minutes)	Keira Zhou, Jeffrey J. Fox, Ke Wang, Donald E. Brown and Kevin Skadron Brill Tagging on the Micron Automata Processor
Short paper (15 minutes)	Rasika Perera, Deenuka Perera and Ruwan Weerasinghe A Novel Approach for Short Essay Grading Using Latent Semantic Analysis and Natural Language Processing
Short paper (15 minutes)	Carmelo Spiccia, Agnese Augello, Giovanni Pilato and Giorgio Vassallo A word prediction methodology for automatic sentence completion
Full paper (25 minutes)	Dejing Dou, Hao Wang and Haishan Liu Semantic Data Mining: A Survey of Ontology-based Approaches Invited paper
Parallel Session 6	ICSC (9): Semantic-based Analysis for Web Applications
Room	Orange County 4
Session Chair	Michele Ruta
Full paper (25 minutes)	Ke Ding, Nicholas Pantic, You Lu, Sukanya Manna and Mohammad Iftekhhar Husain Towards Building a Word Similarity Dictionary for Personality Bias Classification of Phishing Email Contents
Short paper (15 minutes)	Sanket Gaurav, Aruna Adil, Jitendranath Gupta Yenduri, Sudhakar Yadav and Bhanuchander Kasturi A Study to Assess and Enhance Educational Specific Search on Web for School Children
Short paper (15 minutes)	Rishi Kanth Saripalle, Alberto De La Rosa Algarín and Timoteus Ziminski Towards Knowledge Level Privacy and Security Using RDF/RDFS and RBAC

Short paper (15 minutes)	Qingliang Miao, Yao Meng, Lu Fang, Fumihito Nishino and Nobuyuki Igata Link Scientific Publications using Linked Data
Short paper (15 minutes)	Sejin Chun, Seungmin Seo, Byungkook Oh and Kyong-Ho Lee Semantic Description, Discovery and Integration for the Internet of Things
15:10-15:30	Coffee Break
15:30-17:45	Session 7
Parallel Session 7	ICSC (10): Semantics Integration and Analysis
Room	Orange County 1&2
Session Chair	Omair Shafiq
Full paper (25 minutes)	Hsin-Yu Ha, Shu-Ching Chen and Min Chen FC-MST: Feature Correlation Maximum Spanning Tree for Multimedia Concept Classification Invited paper
Full paper (25 minutes)	Hiroshi Yamaguchi, Masahito Gotaishi, Phillip Sheu and Shigeo Tsujii Secure Problems Solving Scheme
Full paper (25 minutes)	Sungkwang Eom, Sangjin Shin and Kyong-Ho Lee Spatiotemporal Query Processing for Semantic Data Stream
Full paper (25 minutes)	Mariia Gavriushenko, Pekka Neittaanmäki and Marja Kankaanranta Semantically Enhanced Decision Support for Learning Management Systems
Full paper (25 minutes)	Guifang Shao, Shunxiang Wu and Tiejun Li cDNA Microarray Image Segmentation with an Improved Moving K-means Clustering Method
Parallel Session 7	ICSC (11): Semantics Mining, Learning, and Applications
Room	Orange County 3
Session Chair	Giovanni Pilato
Full paper (25 minutes)	Wei Zhang NNB: An Efficient Nearest Neighbor Search Method for Hierarchical Clustering on Large Datasets

Short paper (15 minutes)	Sunila Gollapudi Aggregating Financial Services Data without Assumptions: A Semantic Architecture
Short paper (15 minutes)	Qifeng Zhou Data Mining Approaches for Environmental Impact Assessment of Buildings
Short paper (15 minutes)	Fabio Persia, Flora Amato, Aniello De Santo, Vincenzo Moscato, Antonio Picariello and Silvestro Roberto Poccia Partitioning of ontologies driven by a structure-based approach
Short paper (15 minutes)	Agnese Pinto, Floriano Scioscia, Giuseppe Loseto, Michele Ruta, Eliana Bove and Eugenio Di Sciascio A semantic-based approach for Machine Learning data analysis
Short paper (15 minutes)	Dylan Seychell, Alexiei Dingli and Carl J. Debono A Recommendation Technique for Multiple Users on a Single Device
Short paper (15 minutes)	Sana Al Azwari and John Wilson The cost of reasoning with RDF updates
Parallel Session 7	Industry Session (2)
Room	Orange County 3
Session Chair	Noor (Norman) Ahmed
(25 minutes)	Yoo-Mi Park, Hyunkyung Yoo, Cinyoung Hur, Hyunjoo Bae and Yuchul Jung Semantic Service Discovery and Matching for Semi-automatic Service Mashup
(25 minutes)	Norman Ahmed, Jason Bryant, Gregory Hesseler and Matthew Paulini Enabling Semantic Technologies in Publish and Subscribe Middleware
(25 minutes)	Yu Sun, Hyojoon Bae, Sukanya Manna, Jules White and Mani Golparvar-Fard Bridging Semantics with Physical Objects using Augmented Reality
16:45-17:45	Tutorial 3: Intelligent Malware Detection Using Data Mining Techniques Dr. Yanfang Ye (West Virginia University) Room: Orange County 3

19:15-21:30	<p>Keynote (4): Mr. Pete Rivett</p> <p>Banquet</p> <p>Room: Orange County Ballroom</p>
	February 9 (Monday)
7:30-17:00	Registration
7:30-8:30	Breakfast
8:30-9:40	<p>Panel II</p> <p>Future Trends of Semantic Computing</p> <p>Room: Orange County 1&2</p> <p>Session Chair: Dr. Phil Sheu</p>
9:40-10:00	Coffee Break
10:00-12:10	Session 8
Parallel Session 8	ICSC (12) Semantic-based Analysis for Web Applications
Room	Orange County 1&2
Session Chair	Om Prasad Patri
Full paper (25 minutes)	<p>Fengjiao Wang, Guan Wang, Shuyang Lin and Philip Yu</p> <p>Concurrent Goal-oriented Co-clustering Generation in Social Networks</p> <p>Invited paper</p>
Full paper (25 minutes)	<p>Hiroaki Yamane and Masafumi Hagiwara</p> <p>Advertising Slogan Generation System Reflecting User Preference on the Web</p>
Full paper (25 minutes)	<p>Qingliang Miao, Ruiyu Fang and Yao Meng</p> <p>Extracting and Integrating Nutrition Related Linked Data</p>
Full paper (25 minutes)	<p>Sebastian Kagemann and Srividya Bansal</p> <p>MOOCLink: Building and Utilizing Linked Data from Massive Open Online Courses</p>
Full paper (25 minutes)	Om Prasad Patri, Ketan Singh, Pedro Szekely, Anand Panangadan and Viktor Prasanna

	Personalized Trip Planning by Integrating Multimodal User-generated Content
Parallel Session 8	ICSC (13) Semantics Mining, Learning, and Applications
Room	Orange County 3
Session Chair	Fabio Persia
Full paper (25 minutes)	Jianpin Fan, Jinye Peng and Ling Gao Hierarchical Learning of Tree Classifiers for Large-Scale Plant Species Identification Invited paper
Full paper (25 minutes)	Krishna Sapkota, Pathmeswaran Raju, William Byrne and Craig Chapman Ontology-Based Economic Models for Bioenergy and Biofuel Projects
Full paper (25 minutes)	Goni Dubnov, Shlomo Dubnov and Yasushi Kiyoki Urban Network Parcellation using Graph Theoretic Approach
Full paper (25 minutes)	Taraneh Khazaei and Lu Xiao Corpus-based Analysis of Rhetorical Relations: A Study of Lexical Cues
Parallel Session 8	ICSC (14) Semantics Integration and Analysis 2
Room	Orange County 4
Session Chair	Sebastian Pospiech
Short paper (15 minutes)	Hiten Bhakta and Ian Harris Semantic Analysis of Dialogs to Detect Social Engineering Attacks
Short paper (15 minutes)	Dingding Wang and Mitsunori Ogihara Finding Trendy Products from Pins
Short paper (15 minutes)	Norman Ahmed, Jason Bryant, Gregory Hasseler and Matthew Paulini Semantic Modeling of Analytic-based Relationships with Direct Qualification

Short paper (15 minutes)	Da Huo, Yan Chen and Haibo Wang Analysis of Complex Network in International Business Literature
Short paper (15 minutes)	Sven Mielke, Martin Pelke, Sebastian Pospiech and Robert Mertens Flexible Semantic Query Expansion for Process Exploration
Short paper (15 minutes)	Meshrif Alruily and Mohammad Alghamdi Extracting Information of Future Events from Arabic Newspapers: an Overview
12:10-13:40	Lunch (on your own)
13:40-15:00	Session 9
Parallel Session 9	ICSC (15) Semantic-based Analysis for Web Applications
Room	Orange County 1&2
Session Chair	Noor (Norman) Ahmed
Short paper (15 minutes)	Zhengping Wu Multi-Cloud Policy Enforcement through Semantic Modeling and Mapping
Short paper (15 minutes)	Minjae Song, Sungkwang Eom, Sangjin Shin and Kyong-Ho Lee Enriching Mobile Semantic Search with Web Services
Short paper (15 minutes)	Alan Meehan, Rob Brennan and Declan O'Sullivan SPARQL Based Mapping Management
Short paper (15 minutes)	Flora Amato, Roberto Boselli, Mirko Cesarini, Fabio Mercorio, Mario Mezzanzanica, Vincenzo Moscato, Fabio Persia and Antonio Picariello Challenge: Processing Web Texts for Classifying Job Offers
Parallel Session 9	Workshop Semantic Multimedia
Room	Orange County 3
Session Chair	Lauri Tuovinen
(20 minutes)	Lauri Tuovinen, Jari Kahelin and Juha Rönning A Conceptual Framework for Middle-Up-Down Semantic Annotation of Online 3D Scenes

(20 minutes)	Selver Ezgi Küçükbay and Mustafa Sert Audio-based Event Detection in Office Live Environments Using Optimized MFCC-SVM Approach
(20 minutes)	Yumi Eom, Sangil Park, Sunggeun Yoo, Jin Soo Choi and Sukhee Cho An analysis of Scene Change Detection in HEVC bitstream
Parallel Session 9	Workshop Semantic Computing with Big Data
Room	Orange County 4
Session Chair	David Ostrowski
(20 minutes)	Donna Thomas, Jacob Rettig and Justin Lawrence T.R.A.F.F.I.C.: Transit Response Analysis for Facilitating Informed Commuters
(20 minutes)	David Ostrowski An Approximation of Betweenness Centrality for Social Networks
(20 minutes)	David Ostrowski Using Latent Dirichlet Allocation for Topic Modelling in Twitter
15:00-15:20	Coffee Break
15:20-16:20	Session 10
Parallel Session 10	Workshop Semantic Computing for Social Networks
Room	Orange County 1&2
Session Chair	Giovanni Pilato
(20 minutes)	Yu Yuan-Chih A Mobile Social Networking Service for Urban Community Disaster Response
(20 minutes)	Alexander Shknevsky, Asaf Shabtai, Denis Klimov and Yuval Shahr Applying temporal data mining for the prediction of complex behavioral patterns in social networks
(20 minutes)	Shailja Sharma, Jagdeep Singh Lather and Mayank Dave Google based Hybrid Approach for Discovering Services
Parallel Session 10	IEEE TCSEM and TCMC Executive Meeting
Room	Orange County 3