Program at a glance (IEEE ICSC 2017)

January 30 (Monday)							
Place Time	Rousseau Center (foyer)	Rousseau East/West	Boardroom West	Boardroom			
07:30 - 17:00	Registration						
07:30 - 08:30	Breakfast (foyer)						
08:30 - 09:00	Opening ceremony						
09:00 - 09:50	Keynote 1 Prof. Daniel M. Berry						
09:50 - 10:10		Coffee	break				
10:10 - 12:10	Session 1: Semantic applications (6 full papers)						
12:10 - 13:30		Lunch (on	your own)				
13:30 - 14:20	Panel Prof. Phillip Sheu						
14:20 - 14:25		Short					
14:25 - 15:40	Session 2-A: Semantic analytics (5 short papers)	Session 2-B: Semantic applications (5 short papers)	Session 2-C: Semantic languages (5 short papers)				
15:40 - 16:00		Coffee break					
16:00 - 17:20	Session 3: Semantic structures (4 full papers)						
17:20 - 18:30		Poster session 1 10 (full) + 15 (short) + 2 (poster) = 27 posters					
18:30 - 19:00		Bre	eak				
19:00 - 21:30				Reception			
January 31 (Tuesday)							
Place Time	Rousseau Center (foyer)	Rousseau East/West	Boardroom West	Kon Tiki			
07:30 - 17:00		Regist	ration				
07:30 - 08:30	Breakfast (foyer)						
08:30 - 09:20	Keynote 2 Prof. Bruno Siciliano						
09:20 - 09:40		Coffee	break				
09:40 - 11:40	Session 4: Best paper session (6 full papers)						
11:40 - 13:00		Lunch (on	your own)				

13:00 - 13:50	Keynote 3 Dr. Bob Rogers				
13:50 - 14:00	Short break				
14:00 - 15:00	Session 5: Semantic multimedia (3 full papers)		Tutorial: Big Data		
15:00 - 15:20	Coffee break Dr. David Ostrowski (balf day)				
15:20 - 17:20	Session 6: Semantic descriptions (6 full papers)		(half day)		
17:20 - 18:30		Poster session 2 15 (full) + 12 (poster) = 27 posters			
18:30 - 19:00		Bre	ak		
19:00 - 21:30				Banquet Keynote 4 Prof. Dick Bulterman	
				Best paper awards	
				The graph of the state of the s	
		February 01 (Wed	nesday)		
Place Time	Rousseau Center (foyer)	Rousseau East/West	Boardroom West		
08:00 - 17:00		Regist	ration		
08:00 - 09:00	Breakfast (foyer)				
09:00 - 09:50	Keynote 5 Prof. Michael J. Carey				
09:50 - 10:10	Coffee break				
10:10 - 12:10	Special session: VESC (60 min) Workshop: TWSCBD (20 min)	Workshop: SCKNE (120 min)	Workshop: SMC (80 min)		
12:10 - 13:30	(20 mm)	Lunch (on	vour own)		
13:30 - 15:10	Workshop: IWSER (100 min)	Workshop: SDI (100 min)	Workshop: WSCE (100 min)		
15:10 - 15:30		Coffee	break		
15:30 - 17:50	Workshop: SR (120 min)	Workshop: SCSN (100 min)	Workshop: BDISA (95 min) 15:25 – 17:00		

Detailed Sessions (IEEE ICSC 2017)

Session	PaperID	Title
		Implementing Semantic Document Search Using a Bounded Random Walk in a Probabilistic Graph
	3	Lubomir Stanchev
		(Full Paper, 20 minutes)
		MicroSIA: A Gut-Microbes Information-Extraction Method with Semantic Inverse Analysis for Discovering Unique
		Bacteria-Combinations in Nationality
	9	Shiori Hikichi and Yasushi Kiyoki
Session 1:		(Full Paper, 20 minutes)
Semantic applications		Filtering Tweets for Social Unrest
(full paper: 20	96	Alan Mishler, Kevin Wonus, Wendy Chambers and Michael Bloodgood
min/paper)		(Full Paper, 20 minutes)
11.1		Exploring Double Subjectivity Through News Frames In Online News Sources: A Network Approach
Session chair:	97	Loretta Cheeks and Ashraf Gaffar
Dr. Sanja Štajner		(Full Paper, 20 minutes)
j j		A Semantic Model for Information Sharing in Autonomous Vehicle Systems
	101	Shuai Zhang, I-Ling Yen, Hessam Moeini, Farokh Bastani and Darnell Moore
	101	(Full Paper, 20 minutes)
		Towards the Semantic Web based Northbound Interface for SDN Resource Management
	108	Xi Chen and Tao Wu
	100	(Full Paper, 20 minutes)
		The Arabic Knowledge Graph: Opportunities and Challenges
	30	Ahmed Ktob and Zhoujun Li
	30	(Short Paper, 15 minutes)
		-
	45	Enhancing Coreference Classifiers using a Ranking-Aware Feature Khai Nguyen and Ryutaro Ichise
Session 2-A:	45	(Short Paper, 15 minutes)
Semantic analytics		
(short paper: 15	69	Alignment of Occupancy Grid and Floor Maps using Graph Matching Daisuke Kakuma, Satoki Tsuichihara, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu and Tsukasa Ogasawara
min/paper)	0)	(Short Paper, 15 minutes)
Session chair:		
Dr. Takahiro	73	A Deep Learning Framework for Coreference Resolution Based on Convolutional Neural Network Jheng-Long Wu and Wei-Yun Ma
Kawamura	13	(Short Paper, 15 minutes)
1 Lu W alli Glu		
	93	Classification of Private Tweets using Tweet Content Oigoghi Wang, Jaignest Phondal, Shy Hyang and Pa Lya
		Qiaozhi Wang, Jaisneet Bhandal, Shu Huang and Bo Luo (Short Paper, 15 minutes)
		(Short Paper, 13 infinites)
		Body Gestures and Spoken Sentences: a Novel Approach for Revealing User's Emotions
	5	Vito Gentile, Fabrizio Milazzo, Salvatore Sorce, Antonio Gentile, Agnese Augello and Giovanni Pilato
Session 2-B:	5	(Short Paper, 15 minutes)
	59	Information Mediator for Demand Response in Electrical Grids and Buildings Jason Koh, Steven Ray and Jack Hodges
		(Short Paper, 15 minutes)
Semantic applications	74	
(short paper: 15 min/paper)		Finding errors in a Chinese lexico-semantic resource using GWAP Hanyu Zhang, Sajan Raj Ojha and Fausto Giunchiglia
		(Short Paper, 15 minutes)
	89	
Session chair: Prof. Jun Takamatsu		Linking and maintaining quality of data about MOOCs using Semantic Computing Chinmay Dhakna and Srividya Bansal
		Chinmay Dhekne and Srividya Bansal (Short Paper 15 minutes)
		(Short Paper, 15 minutes) Multimodal Classification of Obstructive Slean Armas using Facture Level Fusion
		Multimodal Classification of Obstructive Sleep Apnea using Feature Level Fusion Column Marris and Mustafa Sort
	102	Gokhan Memis and Mustafa Sert (Short Paper, 15 minutes)
		(Short Paper, 15 minutes)

		Company Relation Extraction from Web News Articles for Analyzing Industry Structure
	27	Ayana Yamamoto, Yuichi Miyamura, Kouta Nakata and Masayuki Okamoto
		(Short Paper, 15 minutes)
		Identifying the Overlap between Election Result and Candidates' Ranking based on Hashtag-Enhanced, Lexicon-Based
		Sentiment Analysis
Session 2-C:	42	Rezvaneh Rezapour, Lufan Wang, Omid Abdar and Jana Diesner
Semantic languages		(Short Paper, 15 minutes)
(short paper: 15		A Context-Aware Approach for the Identification of Complex Words in Natural Language Texts
min/paper)	62	Elnaz Davoodi, Leila Kosseim and Matthew Mongrain
	02	(Short Paper, 15 minutes)
Session chair:		Using Text Comprehension Model for Learning Concepts, Context, and Topic of Web Content
Prof. Chih-Hua Tai	92	Ismael A Ali, Naser Madi and Austin Melton
	92	(Short Paper, 15 minutes)
-		
	106	Relation-wise Automatic Domain-Range Information Management for Knowledge Entries Md Miganus Bahaman and Bustana Jahisa
	106	Md-Mizanur Rahoman and Ryutaro Ichise (Short Paper 15 minutes)
		(Short Paper, 15 minutes)
	25	Semantic data integration for knowledge graph construction at query time
	35	Diego Collarana, Mikhail Galkin, Christoph Lange, Maria-Esther Vidal, Sören Auer and Ignacio Traverso-Ribón (Full Paper, 20 minutes)
Session 3:		(Full Paper, 20 minutes)
Semantic structures	27	SELEcTor: Discovering Similar Entities on LinkEd DaTa by Ranking their Features
(full paper: 20	37	Lívia Ruback, Marco Antonio Casanova, Chiara Renso and Claudio Lucchese
min/paper)		(Full Paper, 20 minutes)
	50	KBox Transparently Shifting Query Execution on Knowledge Graphs to the Edge
Session chair:	50	Edgard Marx, Ciro Baron Neto, Tommaso Soru and Sören Auer
Prof. Bo Luo		(Full Paper, 20 minutes)
	c 1	Discovering, Ranking and Merging RDF Data Cubes
	61	Sebastian Bayerl and Michael Granitzer
		(Full Paper, 20 minutes)
	10	Identifying Medications that Patients Stopped Taking in Online Health Forums
	12	Jason H.D. Cho, Tony Gao and Roxana Girju
-		(Full Paper, 20 minutes)
		Torpedo: Improving the State-of-the-Art RDF Dataset Slicing
	51	Edgard Marx, Saeedeh Shekarpour, Tommaso Soru, Adrian M.P. Brasoveanu, Muhammad Saleem, Ciro Baron Nato Jane Lehmann, Aval Cyrilla Nganga Ngama Söran Ayar and Albert Weigheelbraun
		Neto, Jens Lehmann, Axel-Cyrille Ngonga Ngomo, Sören Auer and Albert Weichselbraun (Full Paper, 20 minutes)
Session 4:		
Best papers (full paper: 20 min/paper) Session chair: Dr. Jianquan Liu	63	Querying Intimate-Core Groups in Weighted Graphs Thong Dong, Jianguan Liu, Bong Hua Li, Gigdom Aslay, Vi Chang Chan and Vin Huang
	03	Zheng Dong, Jianquan Liu, Rong-Hua Li, Cigdem Aslay, Yi-Cheng Chen and Xin Huang (Full Paper, 20 minutes)
	71	Domain Adaptation for Automatic Detection of Speculative Sentences Sanja Štajner, Goran Glavas, Simone Paolo Ponzetto and Heiner Stuckenschmidt
		(Full Paper, 20 minutes)
	91	Using Social Sensing to Discover Trends in Public Emotion
		Maryam Hasan, Elke Rundensteiner, Xiangnan Kong and Emmanuel Agu
		(Full Paper, 20 minutes)
	112	Hyponym/Hypernym Detection in Science and Technology Thesauri from Bibliographic Datasets
		Takahiro Kawamura, Motoki Sekine and Katsuji Matsumura
		(Full Paper, 20 minutes)
		Robotic Binaural Localization and Separation of Multiple Simultaneous Sound Sources
Session 5:	4	Fakheredine Keyrouz (Full Paper, 20 minutes)
Semantic multimedia (full paper: 20 min/paper)		Nicky: Toward A Virtual Assistant for Test and Measurement Instrument Recommendations
	19	Robert Kincaid and Graham Pollock
	1)	(Full Paper, 20 minutes)
		Labeling the Frames of a Video Stream with Interval Events
Session chair:	82	Fabio Persia, Fabio Bettini and Sven Helmer
Prof. Leila Kosseim	04	(Full Paper, 20 minutes)
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	1	The Sharing Economy Meets the Semantic Web: An Ontology for the Matchmaking of Peers Moritz von Hoffen (Full Paper, 20 minutes)
Session 6:	13	Reasoning-supported Robustness Validation of Automotive E/E Components Jan Novacek, Alexander Viehl, Oliver Bringmann and Wolfgang Rosenstiel (Full Paper, 20 minutes)
Semantic descriptions (full paper: 20 min/paper) Session chair: Prof. Michael	15	D-SPACES: An Implementation of Declarative Semantics for Spatially Structured Information Salim Perchy, Stefan Haar and Frank Valencia (Full Paper, 20 minutes)
	18	SemUI: A Knowledge Driven Visualization Of Diversified Data Fausto Giunchiglia, Sajan Raj Ojha and Subhashis Das (Full Paper, 20 minutes)
Bloodgood	65	Harnessing English Sentiment Lexicons for Polarity Detection in Urdu Tweets: A Baseline Approach Muhammad Yaseen Khan, Shah Muhammad Emaduddin and Khurum Nazir Junejo (Full Paper, 20 minutes)
	87	A Behavior-Based Ontology for Supporting Automated Assessment of Interactive Systems Thiago Silva, Jean-Luc Hak and Marco Winckler (Full Paper, 20 minutes)
	Full and sl	hort papers presented on the same day have to present as a poster as well. $[10 \text{ (full)} + 15 \text{ (short)} = 25]$
	3	Implementing Semantic Document Search Using a Bounded Random Walk in a Probabilistic Graph Lubomir Stanchev (Full paper)
	9	MicroSIA: A Gut-Microbes Information-Extraction Method with Semantic Inverse Analysis for Discovering Unique Bacteria-Combinations in Nationality Shiori Hikichi and Yasushi Kiyoki (Full paper)
	96	Filtering Tweets for Social Unrest Alan Mishler, Kevin Wonus, Wendy Chambers and Michael Bloodgood (Full paper)
	97	Exploring Double Subjectivity Through News Frames In Online News Sources: A Network Approach Loretta Cheeks and Ashraf Gaffar (Full paper)
	101	A Semantic Model for Information Sharing in Autonomous Vehicle Systems Shuai Zhang, I-Ling Yen, Hessam Moeini, Farokh Bastani and Darnell Moore (Full paper)
	108	Towards the Semantic Web based Northbound Interface for SDN Resource Management Xi Chen and Tao Wu (Full paper)
Poster session 1 Session chair:	30	The Arabic Knowledge Graph: Opportunities and Challenges Ahmed Ktob and Zhoujun Li (Short paper) Enhancing Conference Classifiers using a Banking Aware Feature
	45	Enhancing Coreference Classifiers using a Ranking-Aware Feature Khai Nguyen and Ryutaro Ichise (Short paper)
Prof. Yi-Cheng Chen	69	Alignment of Occupancy Grid and Floor Maps using Graph Matching Daisuke Kakuma, Satoki Tsuichihara, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu and Tsukas Ogasawara (Short paper)
	73	A Deep Learning Framework for Coreference Resolution Based on Convolutional Neural Network Jheng-Long Wu and Wei-Yun Ma (Short paper)
	93	Classification of Private Tweets using Tweet Content Qiaozhi Wang, Jaisneet Bhandal, Shu Huang and Bo Luo (Short paper)
	5	Body Gestures and Spoken Sentences: a Novel Approach for Revealing User's Emotions Vito Gentile, Fabrizio Milazzo, Salvatore Sorce, Antonio Gentile, Agnese Augello and Giovann Pilato (Short paper)
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Dr. Robert Mertens	VESC-4	Florian Hallay, Stefan Hartmann, Niklas Kewitz, Robert Mertens
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SDI-05 SDI-06 SDI-06 SDI-06 SDI-06 SDI-06 SDI-06 SDI-06 Semantic ETL State-of-the-art and open research challenges Jaydeep Chakraborty, Aparna Padki and Srividya Bansal Invited Invited Invited Invited Session chair: Prof. Shlomo Dubnov WSCE-01 Session chair: Prof. Shlomo Pubnov WSCE-02 WSCE-03 Novel Method of Nonlinear Symbolic Dynamics for Semantic Analysis of Auditory Scenes Pauline Mouawad and Shlomo Dubnov Workshop: SCKNE (20 min / paper) SCKNE-01 Session chair: Prof. Striame Chaves Gattaz SDI-05 Avani Chandurkar and Ajay Bansal A Metadata Generation Method for Music Retrieval by Story-Arc Corresponds to Multi-Temporal-Granularity Asako Uraki, Yasushi Kiyoki Obtaining Semantic Cues from Audience Response: An Interactive Musical Installation on a Mobile Robotic Network Colin Zyskowski Obtaining Semantic Cues from Audience Response: An Interactive Musical Installation on a Mobile Robotic Network Colin Zyskowski Obtaining Semantic Cues from Audience Response: An Interactive Musical Installation on a Mobile Robotic Network Colin Zyskowski WSCE-01 WSCE-01 A multi-modal platform for semantic music analysis: visualizing audio- and score-based tension Dorien Herremans and Ching-Hua Chuan RemixNet: Generative Adversarial Networks for Mixing Multiple Inputs Mehrdad Yazdani WSCE-03 Novel Method of Nonlinear Symbolic Dynamics for Semantic Analysis of Auditory Scenes Pauline Mouawad and Shlomo Dubnov Database and knowledge base integration method to support decision-making related to quality application and use of agricultural sprayers Elmer A. Gamboa Peñaloza, Paulo Estevão Cruvinel, Vilma A. Oliveira, Augusto G. F. Costa Prerequisite Study for the Development of Embedded Instrumentation for Plant Phenotyping usi Computational Vision Nicolas dos Santos Rosa, Paulo Estevão Cruvinel Parameter estimation of a demand forecasting function associated with the behavior of weed usi genetic algorithm Marinna S. Sterzo, Paulo Estevão Cruvinel Crowdfunding Research Agenda	· ·		
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	SCKNE-05	Semantic Smart City: Context Aware Application Architecture Sahil Sholla
	SCKNE-06	An Intelligent and Semantics-Aware Distraction-Free Writing System Jonathan Johannsen, Yu Sun
	SCSN-02	A Review on Sarcasm Detection from Machine-Learning Perspective Setra Genyang Wicana, Taha Yasin Ibisoglu, Uraz Yavanoglu
Workshop: SCSN	SCSN-03	Network Security Scoring/Mustafa Sami Kaçar and Kasım Öztoprak Mustafa Sami Kaçar and Kasım Öztoprak
(20 min / paper)	SCSN-04	Topic Distribution Constant Diameter Overlay Design Algorithm (TD-CD-ODA) Sina Layazali, Kasim Oztoprak, Erdogan Dogdu
Session chair: Dr. Giovanni Pilato	SCSN-07	Study of Evolving Co-Authorship Network: Identification of Growth Patterns of Collaboration Using SNA Measures Samreen Kazi
	SCSN-08	The use of Latent Semantic Analysis in the Positive Psychology: a Comparison with Twitter Posts Sara Santilli, Laura Nota, Giovanni Pilato
	SR-01	A Methodology for Improving Vegetation Representation and Health Exploiting a Semantic Robotic System Daniela D'Auria and Fabio Persia
Workshop: SR	SR-02	Obstacle avoidance for low-cost UAVs Wilbert G. Aguilar, Verónica P. Casaliglla and José L. Polit
(20 min / paper)	SR-03	Pedestrian detection for UAVs using HAAR-LBP with Meanshift Wilbert G. Aguilar, Marco A. Luna, Julio F. Moya, Vanessa Abad, Humberto Parra and Hugo Ruiz
Session chair: Dr. Daniela D`Auria	SR-04	Verbal corpus based on natural language processing for Ecuadorian dialect Wilbert G. Aguilar, Darwin Alulema, Alex Limaico and David Sandoval
	SR-06	Overview of an Ontology-based Approach for Kit Building Applications Zeid Kootbally, Thomas Kramer, Craig Schlenoff and Satyandra Gupta
	SR-07	Consistent Cuboid Detection for Semantic Mapping Zakieh Sadat Hashemifar, Kyung Won Lee, Nils Napp and Karthik Dantu