Program at a glance (IEEE ICSC 2018)

January 31 (Wednesday)							
Place / Time	Crystal ballroom	Crystal 1	Crystal 2	Crysta l 3	Veranda	Mezzanine	Slate Room
07:30 - 17:00	Registration						
07:30 - 08:30					Breakfast		
08:30 - 09:00	**Opening ceremony**						
09:00 - 09:50	**Keynote 1** Henrik I. Christensen						
09:50 - 10:10	Coffee break						
10:10 - 11:50	**Panel** (AI and VR)						
11:50 - 13:00	Lunch (on your own)						
13:00 - 13:50	**Keynote 2** Maja Mataric						
13:50 – 14:00	Short Break						
14:00 - 14:50	**Keynote 3**						

Time	Crystal Ballroom						
	Ashish Kapoor						
14:50 - 15:10	Coffee break						
15:10 - 16:30	**Session 1: Semantic descriptions** (4 full papers)						
16:30 - 16:35	Short break						
16:35 - 17:55	**Session 2: Semantic annotation** (4 full papers)						
17:55 - 18:00	Short Break						
18:00 - 19:00						**Poster Session 1**	
19:30 - 21:30	**Reception**						

February 01 (Thursday)

Place / Time	Crystal Ballroom	Crystal 1	Crystal 2	Crystal 3	Veranda	Mezzanine	Slate Room
07:30 - 17:00	Registration						
07:30 - 08:30					Breakfast		
08:30 - 09:20	**Keynote 4:** VS						

	Subrahmanian						
09:20 - 10:00	**Session 3: Semantic analysis / learning I** (2 full papers)						
09:50 - 10:10	Coffee break						
10:10 - 12:10	**Session 4: Best papers** (6 full papers)						
12:10 - 13:00	Lunch (on your own)						
13:00 - 13:50	**Keynote 5:** Issa A.D. Nesnas						
13:50 - 14:40	**Keynote 6:** Ram D. Sriram						
14:50 - 15:10	Coffee break						
15:10 - 16:30	**Session 5: Semantic analysis / learning II** (4 full papers)						
16:30 - 16:35	Short break						

Time							
16:35 - 17:55	**Session 6: Semantics in media** (4 full papers)						
18:00 - 19:00						**Poster Session 2**	
19:30 - 21:30	**Banquet + Keynotes 7 and 8** Creg Dietrich and Adam Sulzdorf-Liszkiewicz **Best paper awards**						

February 02 (Friday)

Time \ Place	Crystal Ballroom	Crystal 1	Crystal 2	Crystal 3	Veranda	Mezzanine	Slate Room
08:00 - 17:00	Registration						
07:30 - 8:30					Breakfast		
08:30 - 09:20	**Keynote 9** Jeff Krichmar						
09:20 - 10:10	**Keynote 10** Brian Gerkey						

Time							
10:10 - 10:20	Coffee break						
10:20 - 11:40	**Session 7: Semantic methods** (4 full papers)						
11:40 - 13:00	Lunch (on your own)						
13:00 – 13:40	**Session 8: Semantic applications** (2 full papers)						
13:40 - 15:00		**Session 9.1: Learning** (5 short papers)	**Session 9.2: Methods** (5 short papers)	**Session 9.3: Applications** (5 short papers)			**Workshop SMC**
15:00 - 15:20	Coffee break						
15:20 - 16:20		**Workshop SCBD**	**Workshop SCSN**	**Workshop SCKNE**			**Workshop SDI**
16:20 – 17:25	**Workshop SR + Keynote 11** Jeff Butler	**Tutorial on SCBD**					
17:25 - 17:30	Short break						

Session	Paper ID	Title
17:30 - 18:30		**Poster Session 3**	

Detailed Sessions (IEEE ICSC 2018)

Session	Paper ID	Title
Session 1: Semantic descriptions (full paper: 20 min/paper) Session chair: Andreas Behrend	28	Paul Brown. A Concept Representation Language (CRL) (Full Paper, 20 minutes)
	40	Omar Al-Safi, Christian Mader, Ioanna Lytra, Mikhail Galkin, Kemele M. Endris, Maria Esther Vidal and Sören Auer. Shipping Knowledge Graph Management Capabilities to Data Providers and Consumers (Full Paper, 20 minutes)
	54	Belfrit Victor Batlajery, Mark Weal, Adriane Chapman and Luc Moreau. prFood: Ontology principles for provenance and risk in the food domain (Full Paper, 20 minutes)
	147	Chifumi Nishioka and Ansgar Scherp. Analysing the Evolution of Knowledge Graphs for the Purpose of Change Verification (Full Paper, 20 minutes)
Session 2: Semantic annotation (full paper: 20 min/paper) Session chair: Naser Al Madi	44	Farah Karim, Ola Al Naameh, Ioanna Lytra, Christian Mader, Maria-Esther Vidal and Soren Auer. Semantic Enrichment of IoT Stream Data On-Demand (Full Paper, 20 minutes)
	130	Rebaz Omar, Sahar Vahdati, Christoph Lange, Maria-Esther Vidal and Andreas Behrend. SAANSET: Semi-Automated Acquisition of Scholarly Metaadata using OpenResearch.org Platform (Full Paper, 20 minutes)
	160	Naser Al Madi and Javed Khan. Constructing Semantic Networks of Comprehension from Eye-movement During Reading (Full Paper, 20 minutes)
	100	Rabah Al-Zaidy and C. Lee Giles. Extracting Semantic Entity Relations for Scholarly Knowledge Base Construction (Full Paper, 20 minutes)
Session 3: Semantic	19	Sam Wood, Rohit Muthyala, Yi Jin, Hua Gao, Yixing Qin, Nilaj Rukadikar and Amit Rai Automated Industry Classification with Deep Learning (Full Paper, 20 minutes)

analysis / Learning I (full paper: 20 min/paper) Session chair: Ioanna Lytra	138	Mahmut Demir and H. Isil Bozma. Automated Place Detection Based on Coherent Segments (Full Paper, 20 minutes)
Session 4: Best papers (full paper: 20 min/paper) Session chair: Michael Bloodgood	88	Juliano Efson Sales, Siegfried Handschuh and Andre Freitas. An Open Vocabulary Semantic Parser for End-User Programming using Natural Language (Full Paper, 20 minutes)
	26	Sebastian Weigelt, Tobias Hey and Vanessa Steurer. Detection of Conditionals in Spoken Utterances (Full Paper, 20 minutes)
	143	Chih-Wei Wu and Alexander Lerch. Learned Features for the Assessment of Percussive Music Performances (Full Paper, 20 minutes)
	23	Lubomir Stanchev. Semantic Document Clustering Using Information from WordNet and DBPedia (Full Paper, 20 minutes)
	91	Siamak Barzegar, Andre Freitas, Siegfried Handschuh and Brian Davis. Semantic Relatedness using lightweight machine translation (Full Paper, 20 minutes)
	165	Tugba Kulahcioglu and Gerard de Melo. Revealing Semantic Signatures of Fonts (Full Paper, 20 minutes)
Session 5: Semantic analysis / Learning II (full paper: 20 min/paper) Session chair: Fabio Persia	38	Gaurav Bhatt, Shikhar Sharma, Ritesh Ratti, Ishaan Arora and Anshul Solanki. Automated Parsing of Geographical Addresses : A Multilayer Feedforward Neural Network based approach (Full Paper, 20 minutes)
	76	Mei Chen and Michel Décary. A Cognitive-based Semantic Approach to Deep Content Analysis in Search Engines (Full Paper, 20 minutes)
	124	Fabio Persia and Sven Helmer. A Framework for High-level Event Detection in a Social Network Context Via an Extension of ISEQL (Full Paper, 20 minutes)
	113	Michael Bloodgood. Support Vector Machine Active Learning Algorithms with Query-by-Committee versus Closest-to-Hyperplane Selection

		(Full Paper, 20 minutes)
Session 6: Semantics in media (full paper: 20 min/paper) Session chair: Chih-Wei Wu	90	Diana Kim, Ahmed Elgammal, Bingchen Liu and Marian Mazzone. Finding principal semantics of style in Art (Full Paper, 20 minutes)
	53	Tao Wu and Christoph Ruland. An Improved Authenticated Compressive Sensing based Imaging (Full Paper, 20 minutes)
	98	Max Quinn, Erik Conser, Jordan Witte and Melanie Mitchell. Semantic Image Retrieval via Active Grounding of Visual Situations (Full Paper, 20 minutes)
	159	Maurizio Atzori, Simone Balloccu and Andrea Bellanti. Unsupervised Singleton Expansion from Free Text (Full Paper, 20 minutes)
Session 8: Semantic applications (full paper: 20 min/paper) Session Chair: Stefan Eng	37	Shun Abe, Masumi Shirakawa, Tatsuya Nakamura, Takahiro Hara, Kazushi Ikeda and Keiichiro Hoashi. Predicting the Occurrence of Life Events from User's Tweet History (Full Paper, 20 minutes)
	103	Karsten Martiny, Daniel Elenius and Grit Denker. Protecting Privacy with a Declarative Policy Framework (Full Paper, 20 minutes)
Session 7: Semantic methods (full paper: 20 min/paper) Session Chair: Ismael A. Ali	115	Shusaku Egami, Takahiro Kawamura, Kouji Kozakiand Akihiko Ohsuga. Urban Problem LOD for Understanding the Problem Structure and Detecting Vicious Cycles (Full Paper, 20 minutes)
	16	Shaheen Syed and Marco Spruit. Selecting Priors for Latent Dirichlet Allocation (Full Paper, 20 minutes)
	81	Fenia Christopoulou, Eleftheria Briakou, Elias Iosif and Alexandros Potamianos. Mixture of Topic-based Distributional Semantic and Affective Models (Full Paper, 20 minutes)
	34	Ademar Crotti Junior, Christophe Debruyne and Declan O'Sullivan. Juma Uplift: Using a Block Metaphor for Representing Uplift Mappings (Full Paper, 20 minutes)
Session 9.1: Learning (short paper: 15 min/paper) Session Chair:	24	Siddhartha Banerjee and Kostas Tsioutsiouliklis. Relation Extraction using Multi-Encoder LSTM Network on a Distant Supervised Dataset (Short Paper, 15 minutes)
	108	Gerard de Melo. Context-Based Few-Shot Word Representation Learning (Short Paper, 15 minutes)
	97	Ismael A Ali and Austin Melton.

Ismael A. Ali		Semantic-Based Text Document Clustering Using Cognitive Semantic Learning and Graph Theory (Short Paper, 15 minutes)
	95	Ali Mert Ertugrul and Pinar Karagoz. Movie Genre Classification from Plot Summaries using Bidirectional LSTM (Short Paper, 15 minutes)
	66	Seyedamin Pouriyeh, Mehdi Allahyari, Krys Kochut, Gong Cheng and Hamid Reza Arabnia. Joint Learning of the Word Embedding and Knowledge-Based Topic Modeling for Entity Summarization (Short Paper, 15 minutes)
Session 9.2: Methods (short paper: 15 min/paper) Session Chair: Mario Santoro	85	Piotr Andruszkiewicz. Data Acquisition and Information Extraction for Scientific Knowledge Base Building (Short Paper, 15 minutes)
	146	Abha Moitra, Andrew Crapo and Ravi Palla. Concept-level Rules for Capturing Domain Knowledge (Short Paper, 15 minutes)
	77	Stefan Eng, Jennifer Tan and Markus Iseli. Adjective Intensity Ordering by Representing Word Definitions as a System of Linear Equations (Short Paper, 15 minutes)
	82	Stefano Guarino and Mario Santoro. Multi-Word Structural Topic Modelling of \tor Drug Marketplaces (Short Paper, 15 minutes)
	52	Edgard Marx, Muhammad Saleem and Axel-Cyrille Ngonga Ngomo. A Decentralized Architecture for SPARQL Query Processing and RDF Sharing: A Position Paper (Short Paper, 15 minutes)
Session 9.3: Applications (short paper: 15 min/paper) Session Chair: Ademar Crotti Junior	13	Bastian Haarmann, Claudio Martens, Henning Petzka and Giulio Napolitano. A Mighty Dataset for Stress-Testing Question Answering Systems (Short Paper, 15 minutes)
	87	Carla Agurto, Pat Pataranutaporn, Elif K. Eyigoz, Gustavo Stolovitzky and Guillermo Cecchi Predictive linguistic markers of suicidality in poets (Short Paper, 15 minutes)
	22	Sahar Sohangir, Nicholas Petty and Dingding Wang. Financial Sentiment Lexicon Analysis (Short Paper, 15 minutes)
	68	Rishabh Upadhyay and Simon Lui. FOREIGN ENGLISH ACCENT CLASSIFICATION USING DEEP BELIEF NETWORK (Short Paper, 15 minutes)
	123	Mouzhi Ge and Fabio Persia. Evaluation in Multimedia Recommender Systems: A Practical Guide (Short Paper, 15 minutes)

	4 Full Papers + 11 Poster Papers	
	35	Heng Zhao, Laurent Thiry and Michel Hassenforder. Category theory for optimization (*Poster Paper*)
	84	Tianrui Peng, Ian Harris and Yuki Sawa. Detecting Phishing Attacks Using Natural Language Processing and Machine Learning (*Poster Paper*)
	41	Jeremy Debattista, Fahim A. Salim, Fasih Haider, Clare Conran, Owen Conlan, Declan O'Sullivan, Keith Curtis and Wang Wei. Expressing Multimedia Content using Semantics - A Vision (*Poster Paper*)
	83	Ines Sarray, Annie Ressouche, Sabine Moisan, Jean-Paul Rigault and Daniel Gaffe. Semantic Studies of a Synchronous Approach to Activity Recognition (*Poster Paper*)
	114	Garrett Beatty, Ethan Kochis and Michael Bloodgood Impact of Batch Size on Stopping Active Learning for Text Classification (*Poster Paper*)
	67	Lamees Al Qassem, Di Wang, Hassan Barada, Ahmad Al-Rubaie and Nawaf Almoosa Noun Extraction tool for ANLP applications (*Poster Paper*)
Poster session 1	155	Roberto Marroquin, Julien Dubois and Christophe Nicolle Know beyond seeing: combining computer vision with semantic reasoning (*Poster Paper*)
Session chair: Michael Bloodgood	55	Alexander Paulus, André Pomp, Lucian Poth, Johannes Lipp and Tobias Meisen Gathering and Combining Semantic Concepts From Multiple Knowledge Bases (*Poster Paper*)
	29	Wail Alkowaileet, Sattam Alsubaiee, Michael Carey, Chen Li, Heri Ramampiaro, Phanwadee Sinthong and Xikui Wang Enhancing Big Data with Semantics: The AsterixDB Approach (*Poster Paper*)
	118	Güner Alpaydin An Adaptive Deep Neural Network for Detection, Recognition of Objects with Long Range Auto Surveillance (*Poster Paper*)
	94	Macedo Maia, André Freitas and Siegfried Handschuh. FinSSLx: A Sentiment Analysis Model for the Financial Domain Using Text Simplification (*Poster Paper*)
	28	Paul Brown A Concept Representation Language (*Full Paper*)
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Session chair: Fabio Persia	44	Farah Karim, Ola Al Naameh, Ioanna Lytra, Christian Mader, Maria-Esther Vidal and Soren Auer. Semantic Enrichment of IoT Stream Data On-Demand (*Full Paper*)
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Workshop: SCBD (20 min / paper) Session chair: David A. Ostrowski	Semantic Computing with Big Data	
	SCBD-01	David Ostrowski Building Linked Data Agents for Mobility Applications
	SCBD-02	David Watkins Pilot Support System: A Machine Learning Approach
Workshop: SCSN (20 min / paper) Session chair: Giovanni Pilato	Sixth International Workshop on Semantic Computing for Social Networks and Organization Science	
	SCSN-06	Fadi Muheidat, Lo'Ai Tawalbeh and Harry Tyrer Context-aware, accurate, and real time fall detection system for elderly people
	SCSN-07	Hiroyoshi Ito, Takahiro Komamizu, Toshiyuki Amagasa and Hiroyuki Kitagawa Network-Word Embedding for Dynamic Text Attributed Networks
	SCSN-08	Omar Badarneh, Mahmoud Al-Ayyoub, Nouh Alhindawi, Yaser Jararweh and Lo'Ai Tawalbeh Fine-Grained Emotion Analysis of Arabic Tweets: A Multi-Target Multi-Label Approach
Workshop: SCKNE (20 min / paper) Session chair: Cristiane Chaves Gattaz	Third International Workshop on Semantic Computing and Knowledge Creation based on Needs Engineering	
	SCKNE-01	Gabriel M. Alves and Paulo E. Cruvinel Big Data infrastructure for agricultural tomographic images reconstruction
	SCKNE-02	Pedro B. Andrade, Paulo E. Cruvinel, Elmer A. G. Peñaloza Module for Virtual Calibration of Sensors of Agricultural Spraying Systems (temperature, pressure and flow) Using an Arduino-based Architecture and a Controller Area Network Bus (CAN)
	SCKNE-03	Carlos A. J. Galdino Ferreira Jr., Paulo E. Cruvinel1, Elmer A. G. Peñaloza, Vilma Alves Oliveira, Heitor V. Mercaldi A hydraulic-pump speed controller in agricultural sprayers based on the automation and use of the control area network (CAN) bus
Workshop: SMC (20 min / paper) Session chair: Daniela D'Auria	Second International Workshop on Semantic Multimedia Computing	
	SMC-01	Antonio M. Rinaldi and Cristiano Russo A matching framework for multimedia data integration using semantics and ontologies
	SMC-02	Pooja Soundalgekar, Mukta Kulkarni, Divija Nagaraju and Sowmya Kamath Medical Image Retrieval Using Manifold Ranking with Relevance Feedback
	SMC-03	Maha Allouzi and Javed Khan SafeFlow: Authentication Protocol For Software Defined Networks
	SMC-08	Huanru Henry DeepJ: A Model for Style-Specific Music Generation
Workshop: SR (20 min / paper)	Second International Workshop on Semantic Robotics	
	SR-02	Ole Kristian Ekseth, Jan Christian Meyer and Svein-Olaf Hvasshovd

Session chair: Fabio Persia		hpLysis database-engine: A new data-scheme for fast semantic queries in biomedical databases
Workshop: SDI (20 min / paper) Session chair: Srividya Bansal		
	SDI-15	Vishal Johri, Srividya Bansal Identifying trends in technologies and programming languages using Topic Modeling
	SDI-16	Jaydeep Chakraborty, Gurusrikar Thopugunta, Srividya Bansal Data Extraction and Integration for Scholar Recommendation System
	SDI-17	Ole Kristian Ekseth, Jan Christian Meyer, Svein Olaf Hvasshovd A new database for Drug Discovery through application of data-integration and semantics
	SDI-18	Ariel Gupta, Ajay Bansal Integrating Traffic Datasets for Evaluating Road Networks