# Program at a glance (IEEE ICSC 2017)

## January 30 (Monday)

| Time \ Place | 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 break | | | |
| 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 | Break | | | |
| 19:00 - 21:30 | | | | **Reception** |

## January 31 (Tuesday)

| Time \ Place | Rousseau Center (foyer) | Rousseau East/West | Boardroom West | Kon Tiki |
|---|---|---|---|---|
| 07:30 - 17:00 | Registration | | | |
| 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) | | | |

| Time | | | | |
|---|---|---|---|---|
| 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** Dr. David Ostrowski (half day) | |
| 15:00 - 15:20 | Coffee break | | | |
| 15:20 - 17:20 | **Session 6: Semantic descriptions** (6 full papers) | | | |
| 17:20 - 18:30 | | **Poster session 2** 15 (full) + 12 (poster) = 27 posters | | |
| 18:30 - 19:00 | Break | | | |
| 19:00 - 21:30 | | | | **Banquet** **Keynote 4** Prof. Dick Bulterman **Best paper awards** |

## February 01 (Wednesday)

| Time \ Place | Rousseau Center (foyer) | Rousseau East/West | Boardroom West | |
|---|---|---|---|---|
| 08:00 - 17:00 | Registration | | | |
| 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 | Lunch (on your 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 |
|---|---|---|
| Session 1: Semantic applications (full paper: 20 min/paper)<br><br>Session chair: Dr. Sanja Štajner | 3 | Implementing Semantic Document Search Using a Bounded Random Walk in a Probabilistic Graph<br>Lubomir Stanchev<br>(Full Paper, 20 minutes) |
| | 9 | MicroSIA: A Gut-Microbes Information-Extraction Method with Semantic Inverse Analysis for Discovering Unique Bacteria-Combinations in Nationality<br>Shiori Hikichi and Yasushi Kiyoki<br>(Full Paper, 20 minutes) |
| | 96 | Filtering Tweets for Social Unrest<br>Alan Mishler, Kevin Wonus, Wendy Chambers and Michael Bloodgood<br>(Full Paper, 20 minutes) |
| | 97 | Exploring Double Subjectivity Through News Frames In Online News Sources: A Network Approach<br>Loretta Cheeks and Ashraf Gaffar<br>(Full Paper, 20 minutes) |
| | 101 | A Semantic Model for Information Sharing in Autonomous Vehicle Systems<br>Shuai Zhang, I-Ling Yen, Hessam Moeini, Farokh Bastani and Darnell Moore<br>(Full Paper, 20 minutes) |
| | 108 | Towards the Semantic Web based Northbound Interface for SDN Resource Management<br>Xi Chen and Tao Wu<br>(Full Paper, 20 minutes) |
| Session 2-A: Semantic analytics (short paper: 15 min/paper)<br><br>Session chair: Dr. Takahiro Kawamura | 30 | The Arabic Knowledge Graph: Opportunities and Challenges<br>Ahmed Ktob and Zhoujun Li<br>(Short Paper, 15 minutes) |
| | 45 | Enhancing Coreference Classifiers using a Ranking-Aware Feature<br>Khai Nguyen and Ryutaro Ichise<br>(Short Paper, 15 minutes) |
| | 69 | Alignment of Occupancy Grid and Floor Maps using Graph Matching<br>Daisuke Kakuma, Satoki Tsuichihara, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu and Tsukasa Ogasawara<br>(Short Paper, 15 minutes) |
| | 73 | A Deep Learning Framework for Coreference Resolution Based on Convolutional Neural Network<br>Jheng-Long Wu and Wei-Yun Ma<br>(Short Paper, 15 minutes) |
| | 93 | Classification of Private Tweets using Tweet Content<br>Qiaozhi Wang, Jaisneet Bhandal, Shu Huang and Bo Luo<br>(Short Paper, 15 minutes) |
| Session 2-B: Semantic applications (short paper: 15 min/paper)<br><br>Session chair: Prof. Jun Takamatsu | 5 | Body Gestures and Spoken Sentences: a Novel Approach for Revealing User's Emotions<br>Vito Gentile, Fabrizio Milazzo, Salvatore Sorce, Antonio Gentile, Agnese Augello and Giovanni Pilato<br>(Short Paper, 15 minutes) |
| | 59 | Information Mediator for Demand Response in Electrical Grids and Buildings<br>Jason Koh, Steven Ray and Jack Hodges<br>(Short Paper, 15 minutes) |
| | 74 | Finding errors in a Chinese lexico-semantic resource using GWAP<br>Hanyu Zhang, Sajan Raj Ojha and Fausto Giunchiglia<br>(Short Paper, 15 minutes) |
| | 89 | Linking and maintaining quality of data about MOOCs using Semantic Computing<br>Chinmay Dhekne and Srividya Bansal<br>(Short Paper, 15 minutes) |
| | 102 | Multimodal Classification of Obstructive Sleep Apnea using Feature Level Fusion<br>Gokhan Memis and Mustafa Sert<br>(Short Paper, 15 minutes) |

| Session | No. | Paper |
|---|---|---|
| **Session 2-C:** Semantic languages (short paper: 15 min/paper)<br><br>Session chair: Prof. Chih-Hua Tai | 27 | Company Relation Extraction from Web News Articles for Analyzing Industry Structure<br>Ayana Yamamoto, Yuichi Miyamura, Kouta Nakata and Masayuki Okamoto<br>(Short Paper, 15 minutes) |
| | 42 | Identifying the Overlap between Election Result and Candidates' Ranking based on Hashtag-Enhanced, Lexicon-Based Sentiment Analysis<br>Rezvaneh Rezapour, Lufan Wang, Omid Abdar and Jana Diesner<br>(Short Paper, 15 minutes) |
| | 62 | A Context-Aware Approach for the Identification of Complex Words in Natural Language Texts<br>Elnaz Davoodi, Leila Kosseim and Matthew Mongrain<br>(Short Paper, 15 minutes) |
| | 92 | Using Text Comprehension Model for Learning Concepts, Context, and Topic of Web Content<br>Ismael A Ali, Naser Madi and Austin Melton<br>(Short Paper, 15 minutes) |
| | 106 | Relation-wise Automatic Domain-Range Information Management for Knowledge Entries<br>Md-Mizanur Rahoman and Ryutaro Ichise<br>(Short Paper, 15 minutes) |
| **Session 3:** Semantic structures (full paper: 20 min/paper)<br><br>Session chair: Prof. Bo Luo | 35 | Semantic data integration for knowledge graph construction at query time<br>Diego Collarana, Mikhail Galkin, Christoph Lange, Maria-Esther Vidal, Sören Auer and Ignacio Traverso-Ribón<br>(Full Paper, 20 minutes) |
| | 37 | SELEcTor: Discovering Similar Entities on LinkEd DaTa by Ranking their Features<br>Lívia Ruback, Marco Antonio Casanova, Chiara Renso and Claudio Lucchese<br>(Full Paper, 20 minutes) |
| | 50 | KBox -- Transparently Shifting Query Execution on Knowledge Graphs to the Edge<br>Edgard Marx, Ciro Baron Neto, Tommaso Soru and Sören Auer<br>(Full Paper, 20 minutes) |
| | 61 | Discovering, Ranking and Merging RDF Data Cubes<br>Sebastian Bayerl and Michael Granitzer<br>(Full Paper, 20 minutes) |
| **Session 4:** Best papers (full paper: 20 min/paper)<br><br>Session chair: Dr. Jianquan Liu | 12 | Identifying Medications that Patients Stopped Taking in Online Health Forums<br>Jason H.D. Cho, Tony Gao and Roxana Girju<br>(Full Paper, 20 minutes) |
| | 51 | Torpedo: Improving the State-of-the-Art RDF Dataset Slicing<br>Edgard Marx, Saeedeh Shekarpour, Tommaso Soru, Adrian M.P. Brasoveanu, Muhammad Saleem, Ciro Baron Neto, Jens Lehmann, Axel-Cyrille Ngonga Ngomo, Sören Auer and Albert Weichselbraun<br>(Full Paper, 20 minutes) |
| | 63 | Querying Intimate-Core Groups in Weighted Graphs<br>Zheng Dong, Jianquan Liu, Rong-Hua Li, Cigdem Aslay, Yi-Cheng Chen and Xin Huang<br>(Full Paper, 20 minutes) |
| | 71 | Domain Adaptation for Automatic Detection of Speculative Sentences<br>Sanja Štajner, Goran Glavas, Simone Paolo Ponzetto and Heiner Stuckenschmidt<br>(Full Paper, 20 minutes) |
| | 91 | Using Social Sensing to Discover Trends in Public Emotion<br>Maryam Hasan, Elke Rundensteiner, Xiangnan Kong and Emmanuel Agu<br>(Full Paper, 20 minutes) |
| | 112 | Hyponym/Hypernym Detection in Science and Technology Thesauri from Bibliographic Datasets<br>Takahiro Kawamura, Motoki Sekine and Katsuji Matsumura<br>(Full Paper, 20 minutes) |
| **Session 5:** Semantic multimedia (full paper: 20 min/paper)<br><br>Session chair: Prof. Leila Kosseim | 4 | Robotic Binaural Localization and Separation of Multiple Simultaneous Sound Sources<br>Fakheredine Keyrouz (Full Paper, 20 minutes) |
| | 19 | Nicky: Toward A Virtual Assistant for Test and Measurement Instrument Recommendations<br>Robert Kincaid and Graham Pollock<br>(Full Paper, 20 minutes) |
| | 82 | Labeling the Frames of a Video Stream with Interval Events<br>Fabio Persia, Fabio Bettini and Sven Helmer<br>(Full Paper, 20 minutes) |

| | | |
|---|---|---|
| Session 6: Semantic descriptions (full paper: 20 min/paper)<br><br>Session chair: Prof. Michael Bloodgood | 1 | The Sharing Economy Meets the Semantic Web: An Ontology for the Matchmaking of Peers<br>Moritz von Hoffen<br>(Full Paper, 20 minutes) |
| | 13 | Reasoning-supported Robustness Validation of Automotive E/E Components<br>Jan Novacek, Alexander Viehl, Oliver Bringmann and Wolfgang Rosenstiel<br>(Full Paper, 20 minutes) |
| | 15 | D-SPACES: An Implementation of Declarative Semantics for Spatially Structured Information<br>Salim Perchy, Stefan Haar and Frank Valencia<br>(Full Paper, 20 minutes) |
| | 18 | SemUI: A Knowledge Driven Visualization Of Diversified Data<br>Fausto Giunchiglia, Sajan Raj Ojha and Subhashis Das<br>(Full Paper, 20 minutes) |
| | 65 | Harnessing English Sentiment Lexicons for Polarity Detection in Urdu Tweets: A Baseline Approach<br>Muhammad Yaseen Khan, Shah Muhammad Emaduddin and Khurum Nazir Junejo<br>(Full Paper, 20 minutes) |
| | 87 | A Behavior-Based Ontology for Supporting Automated Assessment of Interactive Systems<br>Thiago Silva, Jean-Luc Hak and Marco Winckler<br>(Full Paper, 20 minutes) |

| | | |
|---|---|---|
| | | |

| | | |
|---|---|---|
| Poster session 1<br><br>Session chair: Prof. Yi-Cheng Chen | <span style="background-color:yellow">Full and short papers presented on the same day have to present as a poster as well. [ 10 (full) + 15 (short) = 25 ]</span> | |
| | 3 | Implementing Semantic Document Search Using a Bounded Random Walk in a Probabilistic Graph<br>Lubomir Stanchev (Full paper) |
| | 9 | MicroSIA: A Gut-Microbes Information-Extraction Method with Semantic Inverse Analysis for Discovering Unique Bacteria-Combinations in Nationality<br>Shiori Hikichi and Yasushi Kiyoki (Full paper) |
| | 96 | Filtering Tweets for Social Unrest<br>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<br>Loretta Cheeks and Ashraf Gaffar (Full paper) |
| | 101 | A Semantic Model for Information Sharing in Autonomous Vehicle Systems<br>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<br>Xi Chen and Tao Wu (Full paper) |
| | 30 | The Arabic Knowledge Graph: Opportunities and Challenges<br>Ahmed Ktob and Zhoujun Li (Short paper) |
| | 45 | Enhancing Coreference Classifiers using a Ranking-Aware Feature<br>Khai Nguyen and Ryutaro Ichise (Short paper) |
| | 69 | Alignment of Occupancy Grid and Floor Maps using Graph Matching<br>Daisuke Kakuma, Satoki Tsuichihara, Gustavo Alfonso Garcia Ricardez, Jun Takamatsu and Tsukasa Ogasawara (Short paper) |
| | 73 | A Deep Learning Framework for Coreference Resolution Based on Convolutional Neural Network<br>Jheng-Long Wu and Wei-Yun Ma (Short paper) |
| | 93 | Classification of Private Tweets using Tweet Content<br>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<br>Vito Gentile, Fabrizio Milazzo, Salvatore Sorce, Antonio Gentile, Agnese Augello and Giovanni Pilato (Short paper) |
| | 59 | Information Mediator for Demand Response in Electrical Grids and Buildings<br>Jason Koh, Steven Ray and Jack Hodges (Short paper) |
| | 74 | Finding errors in a Chinese lexico-semantic resource using GWAP<br>Hanyu Zhang, Sajan Raj Ojha and Fausto Giunchiglia (Short paper) |
| | 89 | Linking and maintaining quality of data about MOOCs using Semantic Computing<br>Chinmay Dhekne and Srividya Bansal (Short paper) |

| | | |
|---|---|---|
| | 102 | Multimodal Classification of Obstructive Sleep Apnea using Feature Level Fusion<br>Gokhan Memis and Mustafa Sert (Short paper) |
| | 27 | Company Relation Extraction from Web News Articles for Analyzing Industry Structure<br>Ayana Yamamoto, Yuichi Miyamura, Kouta Nakata and Masayuki Okamoto (Short paper) |
| | 42 | Identifying the Overlap between Election Result and Candidates' Ranking based on Hashtag-Enhanced, Lexicon-Based Sentiment Analysis<br>Rezvaneh Rezapour, Lufan Wang, Omid Abdar and Jana Diesner (Short paper) |
| | 62 | A Context-Aware Approach for the Identification of Complex Words in Natural Language Texts<br>Elnaz Davoodi, Leila Kosseim and Matthew Mongrain (Short paper) |
| | 92 | Using Text Comprehension Model for Learning Concepts, Context, and Topic of Web Content<br>Ismael A Ali, Naser Madi and Austin Melton (Short paper) |
| | 106 | Relation-wise Automatic Domain-Range Information Management for Knowledge Entries<br>Md-Mizanur Rahoman and Ryutaro Ichise (Short paper) |
| | 35 | Semantic data integration for knowledge graph construction at query time<br>Diego Collarana, Mikhail Galkin, Christoph Lange, Maria-Esther Vidal, Sören Auer and Ignacio Traverso-Ribón (Full paper) |
| | 37 | SELEcTor: Discovering Similar Entities on LinkEd DaTa by Ranking their Features<br>Lívia Ruback, Marco Antonio Casanova, Chiara Renso and Claudio Lucchese (Full paper) |
| | 50 | KBox -- Transparently Shifting Query Execution on Knowledge Graphs to the Edge<br>Edgard Marx, Ciro Baron Neto, Tommaso Soru and Sören Auer (Full paper) |
| | 61 | Discovering, Ranking and Merging RDF Data Cubes<br>Sebastian Bayerl and Michael Granitzer (Full paper) |
| | 6 | Various Type of Wavelet Filters on Time Series Forecasting<br>Park Keun-Tae and Beak Jun-Geol (Poster paper) |
| | 7 | A Lifelong Learning Topic Model Structured Using Latent Embeddings<br>Mingyang Xu, Ruixin Yang, Steve Harenberg and Nagiza Samatova (Poster paper) |
| Poster session 2<br><br>Session chair:<br>Dr. Salim Perchy | Full and short papers presented on the same day have to present as a poster as well. [ 15 (full) ] | |
| | 12 | Identifying Medications that Patients Stopped Taking in Online Health Forums<br>Jason H.D. Cho, Tony Gao and Roxana Girju (Full paper) |
| | 51 | Torpedo: Improving the State-of-the-Art RDF Dataset Slicing<br>Edgard Marx, Saeedeh Shekarpour, Tommaso Soru, Adrian M.P. Brasoveanu, Muhammad Saleem, Ciro Baron Neto, Jens Lehmann, Axel-Cyrille Ngonga Ngomo, Sören Auer and Albert Weichselbraun (Full paper) |
| | 63 | Querying Intimate-Core Groups in Weighted Graphs<br>Zheng Dong, Jianquan Liu, Rong-Hua Li, Cigdem Aslay, Yi-Cheng Chen and Xin Huang (Full paper) |
| | 71 | Domain Adaptation for Automatic Detection of Speculative Sentences<br>Sanja Štajner, Goran Glavas, Simone Paolo Ponzetto and Heiner Stuckenschmidt (Full paper) |
| | 91 | Using Social Sensing to Discover Trends in Public Emotion<br>Maryam Hasan, Elke Rundensteiner, Xiangnan Kong and Emmanuel Agu (Full paper) |
| | 112 | Hyponym/Hypernym Detection in Science and Technology Thesauri from Bibliographic Datasets<br>Takahiro Kawamura, Motoki Sekine and Katsuji Matsumura (Full paper) |
| | 4 | Robotic Binaural Localization and Separation of Multiple Simultaneous Sound Sources<br>Fakheredine Keyrouz (Full paper) |
| | 19 | Nicky: Toward A Virtual Assistant for Test and Measurement Instrument Recommendations<br>Robert Kincaid and Graham Pollock (Full paper) |
| | 82 | Labeling the Frames of a Video Stream with Interval Events<br>Fabio Persia, Fabio Bettini and Sven Helmer (Full paper) |
| | 1 | The Sharing Economy Meets the Semantic Web: An Ontology for the Matchmaking of Peers<br>Moritz von Hoffen (Full paper) |
| | 13 | Reasoning-supported Robustness Validation of Automotive E/E Components<br>Jan Novacek, Alexander Viehl, Oliver Bringmann and Wolfgang Rosenstiel (Full paper) |
| | 15 | D-SPACES: An Implementation of Declarative Semantics for Spatially Structured Information<br>Salim Perchy, Stefan Haar and Frank Valencia (Full paper) |
| | 18 | SemUI: A Knowledge Driven Visualization Of Diversified Data<br>Fausto Giunchiglia, Sajan Raj Ojha and Subhashis Das (Full paper) |

| | 65 | Harnessing English Sentiment Lexicons for Polarity Detection in Urdu Tweets: A Baseline Approach<br>Muhammad Yaseen Khan, Shah Muhammad Emaduddin and Khurum Nazir Junejo (Full paper) |
|---|---|---|
| | 87 | A Behavior-Based Ontology for Supporting Automated Assessment of Interactive Systems<br>Thiago Silva, Jean-Luc Hak and Marco Winckler (Full paper) |
| | 17 | ESKAPE: Platform for Enabling Semantics in the Continuously Evolving Internet of Things<br>André Pomp, Alexander Paulus, Sabina Jeschke and Tobias Meisen (Poster paper) |
| | 21 | Ontology-based CMS news authoring environment<br>Edgard Costa Oliveira, Edison Ishikawa, Lucas Hiroshi Horinouchi, Thabata Hellen Granja, Marcos Valério De Almeida Nunes, Daniel Rodriguez, Rafael Batista Menegassi, Luciano Pina Gois and Gheorge Ghinea (Poster paper) |
| | 26 | Solving the Singularity Problem of Semiconductor Process Signal using Improved Dynamic Time Warping<br>Jae Yeol Hong, Seung Hwan Park and Jun-Geol Baek (Poster paper) |
| | 38 | Tackling Complex Ontologies with AVOnEd - Aspect-oriented Visual Ontology Editor<br>Lena Gesterkamp, Jonas Rebstadt and Robert Mertens (Poster paper) |
| | 41 | Schema Matching for Semi-structured and Linked Data<br>Mohamed Salah Kettouch, Cristina Luca and Mike Hobbs (Poster paper) |
| | 53 | ATOM: Ontology Aware Transportation Model<br>Subhashis Das, Sajan Raj Ojha and Fausto Giunchiglia (Poster paper) |
| | 66 | An Audience-Responsive Robotic Performance Network<br>Colin Zyskowski, Shlomo Dubnov and Mauricio de Oliveira (Poster paper) |
| | 78 | Towards Secure SPARQL Queries in Semantic Web Applications using PHP<br>Fatmah Bamashmoos, Ian Holyer, Theodore Tryfonas and Przemyslaw Woznowski (Poster paper) |
| | 86 | Document Understanding Using Improved Sqrt-Cosine Similarity<br>Sahar Sohangir and Dingding Wang (Poster paper) |
| | 99 | Real Time Evaluation of Quality Of Search Terms During Query Expansion For Streaming Text Data Using Velocity And Relevance<br>Nilayan Bhattacharya, I. Budak Arpinar and Ugur Kursuncu (Poster paper) |
| | 128 | Seeing Trees in a Forest for Improving Syntactic and Semantic Parsing<br>Yukiko Sasaki Alam and Shahid Alam (Poster paper) |
| | 129 | Semantic Patent Analysis System based on Big data<br>Junghoon Shin, Sangjun Lee and Taehyung Wang (Poster paper) |
| | | |
| Special session: VESC<br>(20 min / paper)<br><br>Session chair:<br>Dr. Robert Mertens | VESC-2 | TurtleEditor 2.0: A Synchronized Graphical and Text Editor for RDF Vocabularies<br>Alexandra Similea, Niklas Petersen, Steffen Lohmann, Christoph Lange |
| | VESC-3 | Semantic Navigation and Discussion in a Digital Boardroom<br>Jessica Rubart, Benjamin Lietzau, Patrick Söhlke, Bastian Alex, Stephan Becker, Tim Wienböker |
| | VESC-4 | An Aspect-Oriented Visual Ontology Editor with Edit-Time Consistency Checking<br>Florian Hallay, Stefan Hartmann, Niklas Kewitz, Robert Mertens |
| Workshop: TWSCBD<br>(20 min / paper)<br><br>Session chair:<br>Dr. David A. Ostrowski | | A Semantic Based Framework for the purpose of Big Data Integration<br>David Ostrowski, Mira Kim |
| Workshop: BDISA<br>(20 min / paper)<br><br>Session chair:<br>Dr. Guigang Zhang | BDISA-01 | Reconstruction of Records Storage Model on the Cloud Datacenter<br>Sixin Xue |
| | BDISA-02 | Medical Big Data Web Service Management Platform<br>Jiawei Liu,Yong Zhang,Chunxiao Xing |
| | BDISA-03 | Public Cultural Knowledge Graph Platform<br>Yi Yang, Guigang Zhang, Jian Wang, Shufeng Ye,Jianqiao Hu |
| | BDISA-04 | Civil Aircraft Big Data Platform<br>Sujie Li,Yi Yang, Lu Yang, Haixia Su, Guigang Zhang, Jian Wang |
| | BDISA-05 | Semantic Framework for Electronic Health Records<br>André Amaro Toffanello,André Amaro Toffanello,Edgard Costa |

| | | |
|---|---|---|
| Workshop: SMC (20 min / paper) Session chair: Dr. Fabio Persia | SMC-01 | KIRA: a system for knowledge-based access to multimedia art collections Flora Amato, Vincenzo Moscato, Antonio Picariello and Giancarlo Sperlì |
| | SMC-03 | Research Challenges in Multimedia Recommender Systems Mouzhi Ge and Fabio Persia |
| | SMC-05 | Towards Real-time Stream Reasoning for the Internet of Things Markus Endler, Edward Hermann Haeusler, Vitor Pinheiro Almeida, Francisco Silva E Silva and Jean-Pierre Briot |
| | SMC-06 | Open Specification for Indoor-Navigation Christoph Fabritz, Mohammed Abdelrahim, Steven Wirsz and Taehyung Wang |
| Workshop: IWSER (20 min / paper) Session chair: Dr. Feroz Farazi | Invited | A formal approach to design a large scale domain ontology Biswanath Dutta |
| | IWSER-06 | Human-like context modelling for robot surveillance Fausto Giunchiglia, Enrico Bignotti and Mattia Zeni |
| | IWSER-13 | Comparison of Three Different CNN Architectures for Age Classification M. Fatih Aydogdu, Vakkas Celik and M. Fatih Demirci |
| | IWSER-04 | Process Ontology For Confectionery SweetBot Sampada Karanjit, Sajan Raj Ojha and Subhashis Das |
| | IWSER-12 | Towards A Formal Ontology To Support Interoperability Across Multiple Product Lifecycle Domains Sattam Saha, Zahid Usman, Steve Jones, Rohit Kshirsagar and Weidong Li |
| | IWSER-10 | Supporting Semantic Capture During Kinesthetic Teaching of Collaborative Industrial Robots Maj Stenmark, Mathias Haage, Elin Anna Topp and Jacek Malec |
| Workshop: SDI (20 min / paper) Session chair: Prof. Srividya K Bansal | SDI-01 | Capacity Measurement and Planning for NoSQL Databases Ramya Pasumarti, Rushin Barot, Susie Xia, Ang Xu and Haricharan Ramachandra |
| | SDI-03 | C-SWRL: SWRL for Reasoning over Stream Data information Edmond Jajaga and Lule Ahmedi |
| | SDI-04 | Events Discovery Assistant: A semi-supervised spatio-temporal and semantic model for discovering First World War events Maaly Nassar and Nicolas Apostolopoulos |
| | SDI-05 | Information Retrieval from a Structured Knowledge Base Avani Chandurkar and Ajay Bansal |
| | SDI-06 | Semantic ETL   State-of-the-art and open research challenges Jaydeep Chakraborty, Aparna Padki and Srividya Bansal |
| Workshop: WSCE (20 min / paper) Session chair: Prof. Shlomo Dubnov | Invited | A Metadata Generation Method for Music Retrieval by Story-Arc Corresponds to Multi-Temporal-Granularity Asako Uraki, Yasushi Kiyoki |
| | Invited | Obtaining Semantic Cues from Audience Response: An Interactive Musical Installation on a Mobile Robotic Network Colin Zyskowski |
| | WSCE-01 | A multi-modal platform for semantic music analysis: visualizing audio- and score-based tension Dorien Herremans and Ching-Hua Chuan |
| | WSCE-02 | 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 |
| Workshop: SCKNE (20 min / paper) Session chair: Prof. Cristiane Chaves Gattaz | SCKNE-01 | Database and knowledge base integration method to support decision-making related to quality of application and use of agricultural sprayers Elmer A. Gamboa Peñaloza, Paulo Estevão Cruvinel, Vilma A. Oliveira, Augusto G. F. Costa |
| | SCKNE-02 | Prerequisite Study for the Development of Embedded Instrumentation for Plant Phenotyping using Computational Vision Nícolas dos Santos Rosa, Paulo Estevão Cruvinel |
| | SCKNE-03 | Parameter estimation of a demand forecasting function associated with the behavior of weed using genetic algorithm Marinna S. Sterzo, Paulo Estevão Cruvinel |
| | SCKNE-04 | Crowdfunding Research Agenda Israel José dos Santos Felipe, Wesley Mendes-da-Silva, Cristiane Chaves Gattaz |

| | SCKNE-05 | Semantic Smart City: Context Aware Application Architecture<br>Sahil Sholla |
|---|---|---|
| | SCKNE-06 | An Intelligent and Semantics-Aware Distraction-Free Writing System<br>Jonathan Johannsen, Yu Sun |
| Workshop: SCSN<br>(20 min / paper)<br><br>Session chair:<br>Dr. Giovanni Pilato | SCSN-02 | A Review on Sarcasm Detection from Machine-Learning Perspective<br>Setra Genyang Wicana, Taha Yasin Ibisoglu, Uraz Yavanoglu |
| | SCSN-03 | Network Security Scoring/Mustafa Sami Kaçar and Kasım Öztoprak<br>Mustafa Sami Kaçar and Kasım Öztoprak |
| | SCSN-04 | Topic Distribution Constant Diameter Overlay Design Algorithm (TD-CD-ODA)<br>Sina Layazali, Kasim Oztoprak, Erdogan Dogdu |
| | SCSN-07 | Study of Evolving Co-Authorship Network: Identification of Growth Patterns of Collaboration Using SNA Measures<br>Samreen Kazi |
| | SCSN-08 | The use of Latent Semantic Analysis in the Positive Psychology: a Comparison with Twitter Posts<br>Sara Santilli, Laura Nota, Giovanni Pilato |
| Workshop: SR<br>(20 min / paper)<br><br>Session chair:<br>Dr. Daniela D`Auria | SR-01 | A Methodology for Improving Vegetation Representation and Health Exploiting a Semantic Robotic System<br>Daniela D'Auria and Fabio Persia |
| | SR-02 | Obstacle avoidance for low-cost UAVs<br>Wilbert G. Aguilar, Verónica P. Casaliglla and José L. Polit |
| | SR-03 | Pedestrian detection for UAVs using HAAR-LBP with Meanshift<br>Wilbert G. Aguilar, Marco A. Luna, Julio F. Moya, Vanessa Abad, Humberto Parra and Hugo Ruiz |
| | SR-04 | Verbal corpus based on natural language processing for Ecuadorian dialect<br>Wilbert G. Aguilar, Darwin Alulema, Alex Limaico and David Sandoval |
| | SR-06 | Overview of an Ontology-based Approach for Kit Building Applications<br>Zeid Kootbally, Thomas Kramer, Craig Schlenoff and Satyandra Gupta |
| | SR-07 | Consistent Cuboid Detection for Semantic Mapping<br>Zakieh Sadat Hashemifar, Kyung Won Lee, Nils Napp and Karthik Dantu |