

7th ACM International Conference on Web Intelligence, Mining and Semantics



June 19-22, 2017, Amantea, Italy

FINAL PROGRAM

Monday 19, June

8:20 – 8:40 Registration

8:40 – 9:00 Opening Session

9:00 – 10:00 Invited Talk 1: Maurizio Lenzerini, “*Semantic Technology for Open Data Publishing*”

Chair: Domenico Saccà

10:00 – 10:30 Coffe Break

10:30 – 12:00 Session 1: Mining Big Web Data

Chair: Cristian Molinaro

Loredana Caruccio, Vincenzo Deufemia, Giuseppe Polese, “*Evolutionary Mining of Relaxed Dependencies from Big Data Collections*”

Mario Luca Bernardi, Marta Cimitile, Fabio Martinelli, Francesco Mercaldo, “*A Time Series Classification Approach to Game Bot Detection*”

Pasquale Ardimento, Andrea Dinapoli, “*Knowledge Extraction from On-Line Open Source Bug Tracking Systems to Predict Bug-Fixing Time*”

12:00 – 14:00 Lunch

14:00 – 15:30 Session 2: Querying Big Web Data

Chair: Diego Collarana

Farah Karim, Mohamed Nadjib Mami, Maria-Esther Vidal, Soren Auer, “*Large-scale Storage and Query Processing for Semantic Sensor Data*”

Hasan Jamil, “*Efficient Top-k Shortest Path Query Processing in Sparse Graph Databases*”

Gianluca Cima, Giuseppe De Giacomo, Maurizio Lenzerini, Antonella Poggi, *“On the SPARQL Metamodeling Semantics Entailment Regime for OWL 2 QL Ontologies”*

15:30 – 16:00 Coffee Break

16:00 – 17:30 Session 3: Big Web Data Analytics

Chair: Farah Karim

Cristiano Di Crescenzo, Giulia Gavazzi, Giacomo Legnaro, Elena Troccoli, Ilaria Bordino, Francesco Gullo, *“HERMEVENT: A News Collection for Emerging-Event Detection”*

Jakub Klímek, Jiri Helmich, Tobiáš Potoček, Martin Nečaský, *“Towards Easier Visualization of Linked Data for Lay Users”*

Steven Lynden, *“Analysis of Semantic URLs to Support Automated Linking of Structured Data on the Web”*

19:00 – 21:30 Welcome Party (Location: Hotel Village “La Principessa”)

Tuesday 20, June

9:00 – 10:00 Invited Talk 2: Oscar Pastor, “A WIMS Perspective for Understanding the Human Genome: the Role of Conceptual Modeling”

Chair: Sergio Greco

10:00 – 10:30 Coffee Break

10:30 – 12:00 Session 4: Social Networks and Social Media

Chair: Martin Nečaský

Rich Chul-Ghi Lee, Alfredo Cuzzocrea, Wookey Lee, Carson Leung, *“Majority Voting Mechanism in Interactive Social Network Clustering”*

Noureddine Azzouza, Karima Akli-Astouati, Amira Oussalah, Samy Ait Bachir, *“A Real-Time Twitter Sentiment Analysis using An Unsupervised Method”*

Nada Ben-Lhachemi, El Habib Nfaoui, *“An Extended Spreading Activation Technique for Hashtag Recommendation in Microblogging Platforms”*

12:00 – 14:00 Lunch

14:00 – 15:30 Session 5: Linked Web Data and Complex Web Data

Chair: Steven Lynden

Albert Weichselbraun, Philipp Kuntschik, *“Mitigating Linked Data Quality Issues in Knowledge-Intense Information Extraction Methods”*

Vincenzo Giuseppe Colacino, Laura Po, *“Managing Road Safety through the Use of Linked Data and Heat Maps”*

Alessandro Celestini, Stefano Guarino, *“Design, Implementation and Test of a Flexible Tor-Oriented Web Mining Toolkit”*

15:30 – 16:00 Coffee Break

16:00 – 17:30 Session 6: Graph-Shaped Web Data

Chair: Philipp Kuntschik

Ahmed Elsayed, Ahmed Sharaf, Doaa Elzanfaly, Sherif Kholeif, *“ConteSaG: Context-based Keyword Search over Multiple Heterogeneous Graph-Modeled Data”*

Michael Cochez, Petar Ristoski, Simone Paolo Ponzetto, Heiko Paulheim, *“Biased Graph Walks for RDF Graph Embeddings”*

Diego Collarana, Mikhail Galkin, Ignacio Traverso, Maria Esther Vidal, Christoph Lange, Sören Auer, *“MINTe: Semantically Integrating RDF Graphs”*

Wednesday 21, June

9:00 – 10:00 Tutorial 1: Andrea Tagarelli, “Exploring Lurking Behaviors in Online Social Networks”

Chair: Rajendra Akerkar

10:00 – 10:30 Coffee Break

10:30 – 12:00 Session 7: Ontologies

Chair: Valery Gitis

Luca Greco, Pierluigi Ritrovato, Mario Vento, *“Advanced Video Analytics: An Ontology-Based Approach”*

Marouen Kachroudi, Gayo Diallo, Sadok Ben Yahia, *“On the Composition of Large Biomedical Ontologies Alignment”*

Leila Bayoudhi, Najla Sassi, Wassim Jaziri, *“OWL 2 DL Ontology Inconsistencies Prediction”*

12:00 – 14:00 Lunch

14:00 – 15:30 Session 8: Advanced Mining Web Data

Chair: Marouen Kachroudi

Marco Cameranesi, Claudia Diamantini, Laura Genga, Domenico Potena, *“Students' Careers Analysis: A Process Mining Approach”*

Tania Cerquitelli, Evelina Di Corso, Francesco Ventura, Silvia Chiusano, *“Data Miners' Little Helper: Data Transformation Activity Cues for Cluster Analysis on Document Collections”*

Sonia Bergamaschi, Antonio Ciriello, Andrea Cappelli, Marco Varone, *“Conditional random Fields with Semantic Enhancement for Named-Entity Recognition”*

16:00 – 21:00 Excursion to Pizzo and Tropea

21:00 – 00:00 Social Dinner (Tropea)

Thursday 22, June

9:00 – 10:00 Tutorial 2: Andrea Cali, *“Querying and Searching the Deep Web”*

Chair: Carson Leung

10:00 – 10:30 Coffe Break

10:30 – 12:00 Session 9: Applications

Chair: Michael Cochez

Vincenzo Francolino, *“Application of Computer-Supported Content Analysis on Twitter: A Case Study on Swiss National Media Criticism”*

Valery Gitis, Alexander Derendyaev, Sergey Pirogov, Vladimir Spokoyny, Evgeniy Yurkov, *“Earthquake Prediction Using the Fields Estimated by an Adaptive Algorithm”*

Dara Aghamirkarimi, Daniel Lemire, *“Discovering the Smart Forests with Virtual Reality”*

12:00 – 14:00 Lunch

14:00 – 16:00 Session 10: Miscellanea

Chair: Vincenzo Francolino

Vito Walter Anelli, Vito Bellini, Andrea Cali, Giuseppe De Santis, Tommaso Di Noia, Eugenio Di Sciascio, Nicola Mincuzzi, *“Querying Deep Web Data Sources as Linked Data”*

Andrea Cali, Umberto Straccia, *“Integration of Deep Web Sources: A Distributed Information Retrieval Approach”*

Hasan Jamil, Carlos R. Rivero, *“A Novel Model for Distributed Big Data Service Composition using Stratified Functional Graph Matching”*

Alfredo Cuzzocrea, Vincenzo Loia, Aurelio Tommasetti, *“Big-Data-Driven Innovation for Enterprises: Innovative Big Value Paradigms for Next-Generation Digital Ecosystems”*

16:00 – 16:20 Closing Session