



WIMS'16

6th international conference on
Web-Intelligence, Mining and Semantics

Nîmes, France – June 13-15, 2016



keynotes, plenary sessions, fast track - room 6.152

Monday 13/06/2016

Welcom address

09:00-09:30 Yannick Vimont – head of LGI2P research center of Ecole des mines d'Alès
Michel Plantié – General Chair of WIMS'16

Session 1: Sensing Web & Web of Things – Chair: Lubomir Stanchev

09:30-10:00 Xiang Su, Ekaterina Gilman, Peter Wetz, Jukka Riekkki and Yifei Zuo. **Stream Reasoning for the Internet of Things: Challenges and Gap Analysis**

10:00-10:30 Hicham Hajj-Hassan, Nicolas Arnaud, Arnaud Castelltort, Laurent Drapeau, Anne Laurent, Olivier Lobry and Carla Khater. **Multimapping Design of Complex Sensor Data in Environmental Observatories**

☕ Coffee break

Session 2: Recommender Systems & User modelling – Chair: Tsuyoshi Murata

11:00-11:30 Paula Viana and Márcio Soares. **A hybrid recommendation system for news in a mobile environment**

11:30-12:00 Rania Othman, Rami Belkaroui and Rim Faiz. **Customer Opinion Summarization Based on Twitter Conversations**

12:00-12:30 Per-Arne Andersen, Christian Kråkevik, Morten Goodwin and Anis Yazidi. **Adaptive Task Assignment in Online Learning Environments**

🍽 Lunch

Keynote 1 – Gabriella PASI

14:00-15:00 **On the issue of aggregation in Information Retrieval**

Session 3: Knowledge Extraction & Reasoning – Chair: Sébastien Harispe

15:00-15:30 Omer Farukhan Gunes. **Aspect Term and Opinion Target Extraction from Web Product Reviews using Semi-Markov Conditional Random Fields with Word Embeddings as Features**

15:30-16:00 Lubomir Stanchev. **Creating a Probabilistic Graph for WordNet using Markov Logic Network**

☕ Coffee break

16:30-17:00 Soumia Lilia Berrahou, Patrice Buche, Juliette Dibie and Mathieu Roche. **Xart system: discovering and extracting correlated arguments of n-ary relations from text**

17:00-17:15 Kyungyup Daniel Lee, Kyungah Han and Sung-Hyon Myaeng. **Capturing Word Choice Patterns with LDA for Fake Review Detection in Sentiment Analysis**

17:15-17:30 Pierre-Antoine Jean, Sébastien Harispe, Sylvie Ranwez, Patrice Bellot, Jacky Montmain. **Uncertainty detection in natural language: a probabilistic model**

17:30-17:45 Guillaume Surroca, Philippe Lemoisson, Clement Jonquet and Stefano A. Cerri. **Subjective and generic distance in ViewpointS: an experiment on WordNet**

17:45-18:15 Toyohide Watanabe. **Knowledge Acquisition/utilization Model and PDC Framework for Managing Contexts in Research Activity**

☕ Welcome reception – Nîmes-Métropole (departure 18:15)



Tuesday 14/06/2016

Keynote 2 – Fabien GANDON

09:00-10:00 **One Web of pages, One Web of peoples, One Web of Services, One Web of Data, One Web of Things... and with the Semantic Web bind them**

☕ Coffee break

Session 4: Web Semantics, Ontologies & Linked Data – Chair : Davood Raffiei

- 10:30-11:00 Amina Annane, Vincent Emonet, Faïçal Azouaou and Clément Jonquet. **Multilingual Mapping Reconciliation between English-French Biomedical Ontologies**
- 11:00-11:30 Andre de Oliveira Melo, Heiko Paulheim and Johanna Völker. **Type Prediction in RDF Knowledge Bases Using Hierarchical Multilabel Classification**
- 11:30-12:00 Valentina Beretta, Sébastien Harispe, Sylvie Ranwez, Isabelle Mougénou. **How can ontologies give you clue for trust-discovery? An exploratory Study**
- 12:00-12:15 Jinho Kim and Sung-Hyon Myaeng. **Discovering Relations to Augment a Web-scale Knowledge Base Constructed from the Web**

Fast track

- 12:15-12:30 ⌚ Zenun Kastrati, Sule Yildirim-Yayilgan and Rune Hjelsvold. **Automatically enriching domain ontologies for document classification**
- ⌚ Manon Quintana. **Inbenta Semantic Search Engine : a search engine inspired by the Meaning-Text Theory**
- ⌚ Saleh Albahli and Austin Melton. **RDF data management: a survey of RDBMS-based approaches**
- ⌚ Sami Zghal, Houda Akremi and Gayo Diallo. **Modeling of uncertainty: Fuzzification of medical ontology**

🍽 Lunch

Session 5: Semantic search & Information Retrieval – Chair: Paulo Cortez

- 14:00-14:15 Giorgos Stoilos, Bernardo Cuenca Grau, Alexandros Chortaras and Giorgos Stamou. **Reformulating Ontological Queries Using Materialised Rewritings**
- 14:15-14:45 Steven Lynden, Makoto Yui, Akiyoshi Matono, Akihito Nakamura, Hirotaka Ogawa and Isao Kojima. **Optimising Coverage, Freshness and Diversity in Live Exploration-based Linked Data Queries**
- 14:45-15:15 Harsh Thakkar, Kemele M. Endris, Jose M Gimenez-Garcia, Jeremy Debattista, Christoph Lange and Soren Auer. **Are Linked Datasets fit for Open-domain Question Answering? A Quality Assessment**
- 15:15-15:45 Dennis Diefenbach, Ricardo Usbeck, Kamal Deep Singh and Pierre Maret. **A Scalable Approach for Computing Semantic Relatedness using Semantic Web Data**
- 15:45-16:00 Adrian-Gabriel Chifu and Sebastien Fournier. **SegChain: Towards a generic automatic video segmentation framework, based on lexical chains of audio transcriptions**

☕ Coffee break and departure for "Pont du Gard" visit at 16:30



Wednesday 15/06/2016

Keynote 3 – Tsuyoshi MURATA

09:00-10:00 Mining and learning on heterogeneous networks

☕ Coffee break

Session 6: Web Intelligence & Social media – Chair: Kamal Singh

10:30-11:00 John Violos, Konstantinos Tserpes, Evangelos Psomakelis, Konstantinos Psychas and Theodora Varvarigou. **Sentiment Analysis using Word-Graphs**

11:00-11:30 Paulo Cortez, Nuno Oliveira and João Peixoto Ferreira. **Measuring User Influence in Financial Microblogs: Experiments Using StockTwits Data**

11:30-11:45 Rihab Bouchlaghem, Elkhelifi Aymen and Rim Faiz. **A Machine Learning Approach For Classifying Sentiments in Arabic tweets**

11:45-12:00 Michel Plantié, Mouhamadou Niang. **Three approaches of complementarity between Persons sharing properties in social networks**

Fast track

12:00-12:15 🕒 Muhammad Rafi, Muhammad Naveed Sharif, Waleed Arshad, Sheharyar Mohsin and Habibullah Rafay. **Multi-Layer Semantics Based Document Clustering**

🕒 John Samuel and Christophe Rey. **Generic Web Service Wrapper for Mediation based Data Warehousing**

🕒 Olfa Arfaoui and Minyar Hidri. **Ontology-based query refinement for XML information retrieval**

🕒 Anais Ollagnier, Sebastien Fournier and Patrice Bellot. **A Supervised Approach for Detecting Allusive Bibliographical References in Scholarly Publications**

🕒 Frédéric Rieux. **Queue management through IoT**

🍽 Lunch

Posters & Demo – Room 6-053 (14:00-15:30)

Session 7: Big Data and Web analytics – Chair: Anne Laurent

15:30-16:00 Jukka Ruohonen, Sami Hyrynsalmi and Ville Leppänen. **Exploring the Use of Deprecated PHP Releases in the Wild Internet: Still a LAMP Issue?**

16:00-16:15 Luyen Le Ngoc, Anne Tireau, Aravind Venkatesan, Pascal Neveu and Pierre Larmande. **Development of a knowledge system for Big Data: Case study to phenotyping data**

16:15-16:45 Muhammad Waqar and Davood Rafiei. **Characterizing Users in an Online Classified Ad Network**

WIMS Conclusion

16:45-17:15 Michel Plantié – General Chair of WIMS'16