

**WIMS 2012: International Conference on Web Intelligence, Mining and Semantics**

**June 13-15, 2012 Craiova, Romania**

**Wednesday, June 13, 2012**

8:00 - 16:00 **Registration (In front of Blue Hall)**

9:00 - 9:20 **Opening (Blue Hall)**

9:20 - 10:00 **Invited Speaker (Blue Hall): *Crowdsourcing Semantic Data Management: Challenges and Opportunities***

Elena Simperl

Chair Costin Badica

10:00 - 11:00 **Tutorial 1 (Blue Hall): *Making your Semantic Application addictive: incentivizing users!***

Roberta Cuel; Monika Kaczmarek; Elena Simperl; Oksana Tokarchuck; Jakub Dzikowski; Szymon Łazaruk

Chair: Costin Badica

11:00 - 11:20 **Coffee Break**

11:20 - 13:00 **Session 1 (Room 443D): Social Networks**

**Chair: K. Faith Lawrence**

**Co-chair: Mihai Mocanu**

11:20 - 11:40 *Designing Privacy-Aware Social Networks: A Multi-Agent Approach*

**Andrei Ciortea**, Yann Krupa, Laurent Vercouter

11:40 - 12:00 *A Density-Based Approach for Mining Overlapping Communities from Social Network Interactions*

Sajid Yousuf Bhat, **Muhammad Abulaish**

12:00 - 12:20 *Influence Patterns in Topic Communities of Social Media*

**Magdalini Kardara**, George Papadakis, Athanasios Papaioikonomou, Konstantinos Tserpes, Theodora Varvarigou

12:20 - 12:40 *Measuring node importance on Twitter microblogging*

Leila Weitzel, **Paulo Quresma**, José Palazzo M. de Oliveira

**Session 2 (Room 443C): Text and Data Mining**

**Chair: Diana Inkpen**

**Co-chair: Cristian Mihaescu**

*Representation Models for Text Classification: a comparative analysis over three Web document types*

George Giannakopoulos, Petra Mavridi, Georgios Paliouras, George Papadakis, Konstantinos Tserpes

Presented by: **Magdalini Kardara**

*Client- and Server-side Revisitation Prediction with SUPRA*

George Papadakis, **Ricardo Kawase**, Eelco Herder

*Dynamic Prediction of Forthcoming Trends in Stock Prices from News Articles*

*Wei Fan*, **Toyohide Watanabe**

*Mining Feature-Opinion Pairs and Their Reliability Scores from Web Opinion Sources*

Ahmad Kamal, **Muhammad Abulaish**, Tarique Anwar

12:40 - 13:00	<i>Exploring Information Diffusion in Network of Semantically Annotated Web Service Interfaces</i> Shahab Mokarizadeh, Peep Kungas, Mihhail Matskin	<i>PostRank: A New Algorithm for Incremental Finding of Persian Blog Representative Words</i> <b>Mohsen Sayyadiharikandeh</b> , Mohammad Ghodsi, Mohammad Naghibi
13:00 - 14:40	<b>Lunch</b>	
14:40 - 16:00	<b>Tutorial 2 (Room 443D): Agent-Based Ontology</b> <i>Alignment: Basics, Applications, Theoretical Foundations, and Demonstration</i> Vadim Ermolayev and Maxim Davidovsky Chair: Costin Badica	<b>Tutorial 3 (Room 443C): Text Stream Processing</b> Dunja Mladenić; Marko Grobelnik; Blaž Fortuna; Delia Rusu Chair: Cristian Mihaescu
16:00 - 16:20	<b>Coffee Break</b>	
16:20 - 17:40	<b>Session 3 (Room 443D): Reasoning and Semantics</b> <b>Chair: Johann Stan</b> <b>Co-chair: Monika Kaczmarek</b>	<b>Session 4 (Room 443C): Text and Natural Language Processing</b> <b>Chair: Dunja Mladenić</b> <b>Co-chair: Marius Brezovan</b>
16:20 - 16:40	<i>Automatic Reasoner Selection using Machine Learning</i> <b>Jürgen Bock</b> , Uta Lösch, Hai Wang	<i>Deriving a Statistical Syntactic Parsing from a Treebank</i> <b>Mihaela Colhon</b> , Radu Simionescu
16:40 - 17:00	<i>Predicate trees: a tool for descriptive subgraph extraction</i> <b>Hrvoje Simic</b>	<i>Sentiment Analysis: What is the End User's Requirement?</i> Amitava Das, Sivaji Bandyopadhyay, Björn Gamb
17:00 - 17:20	<i>Semantic Event Processing in ENVISION</i> <b>Alejandro Llaves</b> , Henry Michels, Patrick Maué, Marcell Roth	<i>Automatic Forum Analysis – A Thorough Method of Assessing the Importance of Posts, Discussion Threads and of Users' Involvement –</i> <b>Constantin Daniil</b> , Mihai Dascalu, Stefan Trausan-Matu
17:20 - 17:40	<i>Towards Law-Aware Semantic Cloud Policies with Exceptions for Data Integration and Protection</i> <b>Yuh-Jong Hu</b> , Win-Nan Wu, Di-Rong Cheng	<i>A framework for biological event extraction from text</i> Maha Amami, Rim Faiz, Aymen Elkhelifi

17:40 - 18:40 **Poster Session 1 (University Hall)**

**Chair: Mihaela Colhon**

**Co-chair: Cristian Mihaescu**

*A game-theoretic approach to cooperation in Multi-Agent Systems*, Matei Popovici, **Ciprian Dobre**

*A Multi-Agent Supervising System for Smart Environments*, Irina Mocanu, Adina Magda Florea.

Presented by: **Andrei Ciortea**

*Semantically-Enhanced Authoring of Defeasible Logic Rule Bases in the Semantic Web*, Efstratios Kontopoulos, Thetida

Zetta, **Nick Bassiliades**

*Everyday problems vs. UbiComp — a case study*, Pawel Wozniak, Andrzej Romanowski

Presented by **Sorin Ilie**

*Evolution of Ontology Potential for Generation of Rules*, **Olegs Verhodubs**, Janis Grundspenkis

*FOREX Application for BlackBerry Device*, Mancas Dan Viorel, **Enescu Nicolae Iulian**

*A Collaborative Web-Based Help-System*, **Helmut Lang**, Wolfgang Minker

*User behavior in Online Social Networks and its Implications: A user study*, **Najeeb Elahi**, Randi Karlsen

*Estimating Importance of Implicit Factors in E-commerce Recommender Systems*, **Ladislav Peška**, Peter Vojtáš

19:30 - 22:00 **Welcome Party (Casa Universitarilor)**

## Thursday, June 14, 2012

8:00 - 16:00 **Registration (In front of Blue Hall)**

9:00 - 9:40 **Invited Speaker (Blue Hall): "Closing" Some Doors for the Open Semantic Web**

Jeff Z. Pan

Chair: Dumitru Burdescu

9:40 - 11:20 **Session 5 (Room 443D): Agents**

**Chair: Paulo Quaresma**

**Co-chair: Dorian Cojocaru**

9:40 - 10:00 *Advanced Agent Discovery Services*

Kalliopi Kravari, **Nick Bassiliades**

10:00 - 10:20 *Adaptable Swarm Intelligence Framework*

**Mihai Cuibus**, Rodica Potolea

10:20 - 10:40 *Distributed distance matrix generator based on agents*

**Dejan Mitrovic**, Zoltan Geler, Mirjana Ivanovic

10:40 - 11:00 *A Swarm-inspired Data Center Consolidation*

*Methodology*

**Cristina Bianca Pop**, Ionut Anghel, Tudor Cioara, Ioan Salomie, Iulia Vartic

11:00 - 11:20 *Information Flow in a Distributed Agent-Based Online Auction System*

Liviu Sandu, Raluca Sboru, **Sorin Ilie**, Costin Badica, Amelia Badica, Maria Ganzha, Marcin Paprzycki

11:20 - 11:40 **Coffee Break**

11:40 - 13:00 **Tutorial 4 (Room 443D): Agents and Knowledge Interoperability in the Semantic Web Era**

Nick Bassiliades

Chair: Costin Badica

**Session 6 (Room 443C): Data Mining**

**Chair: David Camacho**

**Co-chair: Cristian Mihaescu**

*On generating large-scale ground truth datasets for the deduplication of bibliographic records*

**James A. Hammerton**, Michael Granitzer, Dan Harvey, Maya Hristakeva, Kris Jack

*A Comparison of Layout based Bibliographic Metadata Extraction Techniques*

**Michael Granitzer**, Maya Hristakeva, Robert Knight, Kris Jack, Roman Kern

*Features Selection from High-Dimensional Web Data using Clustering Analysis*

**Héctor Menéndez**, Gema Bello-Orgaz, David Camacho

*Wrappers for Web Access Logs Feature Selection*

**Maria Muntean**, Honoriu Valean

*An Efficient Ensemble Classification Method based on Novel Classifier Selection Technique*

Mohammad Ali Bagheri, Qigang Gao

Presented by: **Alex Muscar**

**Tutorial 5 (Room 443C): Semantic Metadata Management in Web 2.0**

Johann Stan and Pierre Maret

Chair: Mihai Mocanu

13:00 - 14:40 **Lunch**

14:40 - 16:20	<b>Session 7 (Room 443D): Web, E-Learning, E-Business</b> <b>Chair: Heiko Paulheim</b> <b>Co-chair: Cosmin Stoica</b>	<b>Session 8 (Room 443C): Information Retrieval</b> <b>Chair: Pierre Maret</b> <b>Co-chair: Liana Stanescu</b>
14:40 - 15:00	<i>Building and Managing Reputation in the Environment of Chinese E-commerce: A Case Study on Taobao</i> <b>Huiying Duan</b> , Feifei Liu	<i>A Novel Query Rewriting Mechanism for Semantically Interlinking Clinical Research with Electronic Health Records</i> <b>Efthymios Chondrogiannis</b> , Vassiliki Andronikou, Konstantinos Mourtzoukos, Anastasios Tagaris, Theodora Varvarigou
15:00 - 15:20	<i>Exploring Manuscripts: Sharing Ancient Wisdoms across the Semantic Web</i> <b>Anna Jordanous</b> , Mark Hedges, K. Faith Lawrence, Charlotte Tupman	<i>Genetically Optimizing Query Expansion for Retrieving Activities from the Web</i> <b>Karapetsas Eleftherios</b> , Yusuke Fukazawa, Jun Ota
15:20 - 15:40	<i>Technological foundations of the current Blogosphere</i> <b>Vangelis Banos</b> , Karen Stepanyan, Mike Joy, Alexandra I. Cristea, Yannis Manolopoulos	<i>Information retrieval and deduplication for tourism recommender Sightsplanner</i> <b>Ago Luberg</b> , Michael Granitzer, Honghan Wu, Priit Järv, Tanel Tammet
15:40 - 16:00	<i>A literature-based method to automatically detect learning styles in learning management systems</i> <b>Pham Quang Dung</b> , Adina Magda Florea	<i>Intelligent Web Page Retrieval Using Wikipedia Knowledge</i> Falah H. Al-akashi, <b>Diana Inkpen</b>
16:00 - 16:20	<i>Relevant Learning Objects Extraction Based on Semantic Annotation of Documents</i> Rim Faiz, <b>Boutheina Smine</b> , Jean-Pierre Desclés	<i>Evaluating PageRank Methods for Structural Sense Ranking in Labeled Tree Data</i> <b>Andrea Tagarelli</b> , Francesco Gullo
16:20 - 16:40	<b>Coffee Break</b>	

16:20 - 17:40	<b>Session 9 (443D): Semantics</b> <b>Chair: Vadim Ermolayev</b> <b>Chair: Marius Brezovan</b>	<b>Session 10 (Room 443C): Linked Open Data and Collaborative Systems</b> <b>Chair: Michael Granitzer</b>
16:20 - 16:40	<i>Semantics-Based News Recommendation</i> Michel Capelle, Marnix Moerland, Flavius Frasinca, <b>Frederik Hogenboom</b>	<i>Visualization of the European environmental data</i> <b>Miruna Badescu (Industrial Paper)</b>
16:40 - 17:00	<i>IRISPortal: A Semantic Portal for Industrial Risk Cases</i> Georgios Meditskos, <b>Nick Bassiliades</b> , Dimitris Vrakas, Ioannis Vlahavas	<i>Unsupervised Generation of Data Mining Features from Linked Open Data</i> <b>Heiko Paulheim</b> , Johannes Fürnkranz
17:00 - 17:20	<i>Semantic annotation of image processing tools</i> <b>Bacem Wali</b> , Bernard Gibaud	<i>Automatic Traceability Acquisition Framework</i> <b>Nuno Bettencourt</b> , Rafael Peixoto, Nuno Silva
17:20 - 17:40	<i>BOnSAI: a Smart Building Ontology for Ambient Intelligence</i> Thanos G. Stavropoulos, Dimitris Vrakas, Danai Vlachava, <b>Nick Bassiliades</b>	<i>User Profile Based Activities in Flexible Processes</i> Marco Fisichella, <b>Ricardo Kawase</b> , Juri Luca De Coi, Maristella Matera
17:40 - 18:40	<b>Poster Session 2 (University Hall)</b> <b>Chair: Mihai Mocanu</b> <b>Co-chair: Cosmin Stoica</b> <i>Hybrid Method for Computing Word-Pair Similarity based on Web Content</i> , <b>Imen Akermi</b> , Rim Faiz <i>Computationally Effective Algorithm for Information Extraction and Online Review Mining</i> , <b>Boris Kraychev</b> , Ivan Koychev <i>Sentence-Level Sentiment Analysis in Czech</i> , <b>Kateřina Veselovská</b> <i>Automated Internal Web Page Clustering for Improved Data Extraction</i> , Cornelia Gyorödi, Robert Gyorödi, Mihai Cornea, <b>George Pecherle</b> <i>Ranking Domain Objects by Wisdom of Web Pages</i> , <b>Honghan Wu</b> , Ago Luberg, Tanel Tammet <i>Classification of Users by Using Support Vector Machines</i> , <b>Marian Cristian Mihaescu</b> <i>Classifying Arabic Web Pages Toolkit</i> , Faten Al-Jaloud, Reem Bin Hezam, Mohamed Aoun-Allah <i>Document Classification with Supervised Latent Feature Selection</i> , <b>Ondrej Hava</b> , Miroslav Skrbek, Pavel Kordík <i>Using Bayesian Networks Theory for Aggregated Search to XML retrieval</i> , <b>Najeh Naffakhi</b> , Rim Faiz	
18:40 - 18:50	<b>Closing</b>	
19:30 - 23:00	<b>Banquet (Minerva Restaurant, Maur Hall)</b>	
<b>Friday, June 15, 2012</b>		
8:00 - 21:00	<b>Excursion and Social Program</b>	