The 15th International Conference on
Artificial Intelligence: Methodology, Systems, Applications - AIMSA 2012

13 September

9.00 - 9.15	**Opening ceremony**
9.15 – 10.15	John Domingue (The Knowledge Medi Institute, UK). ***Linking Services and Linked Data*** (Invited talk)
10.15 – 10.45	Coffee break
	Session 1: Natural Language Processing I
10.45-11.15	Yaakov Hacohen-Kerner and Aharon Tayeb. *Experiments with Filtered Detection of Similar Academic Papers*
11.15-11.45	Maciej Piasecki, Radoslaw Ramocki and Pawel Minda. *Corpus-based Semantic Filtering in Discovering Derivational Relations*
11.45-12.15.	Maciej Piasecki, Roman Kurc, Radoslw Ramocki and Bartosz Broda. ***Lexical Activation Area Attachment Algorithm for Wordnet Expansion*** (nomination for AIMSA 2012 Best Paper Award)
12.15-12.45	Jan Zizka, Karel Burda and Frantisek Darena. *Clustering a Very Large Number of Textual Unstructured Customers' Reviews in English*
12.45-14.00	Lunch
	Session 2: Machine Learning
14.00-14.30	Marek Sikora, Adam Skowron and Łukasz Wróbel. *Rule quality measure-based induction of unordered sets of regression rules*
14.30-15.00	Andrej Chovanec and Roman Barták. *Decomposition Merging, and Refinement Approach to Boost Inductive Logic Programming Algorithms*
15.00–15.30	Krzysztof Michalak, Patryk Filipiak and Piotr Lipiński. *Evolutionary Approach to Multiobjective Optimization of Portfolios that Reflect the Behaviour of Investment Funds*
15.30-16.00	Adrian Simion and Ştefan Trăuşan-Matu. *Towards Automatic Structure Analysis of Digital Musical Content*
16.00-16.30	Coffee break
	Session 3: Planning and Agents I
16.30-17.00	Yassine Gangat, Denis Payet and Remy Courdier. *Methodology for a new agent architecture based on MVC*
17.00-17.30	Madeleine El Zaher, Jean-Michel Contet, Franck Gechter and Pablo Gruer. *Echelon platoon organisation: a distributed approach based on 2-spring virtual links*
20.00-24.00	Welcome Party

14 September

9.00 - 10.00	Yukie Nagai (Osaka University, Japan). ***The Importance of Starting Small in Robot Learning: Lessons from Human Intelligence***. (Invited talk)
10.10– 10.30	Coffee break
Session 4: Social networks and Search	
10.30- 11.00	Mostafa Ali and Robert Reynolds. *The Emergence of Cultural Hierarchical Social networks in Complex Environments*
11.00-11.30	Udeep Tandukar and Julita Vassileva. ***Ensuring Relevant and Serendipitous Information Flow in Decentralized Online Social Network*** (nomination for AIMSA 20120 Best Paper Award)
11.30-12.00	Vladimir Fomichov and Anton Kirillov. *A Formal Model for Constructing Semantic Expansions of the Search Requests About the Achievements and Failures*
12.00-12.30	Patryk Filipiak and Piotr Lipinski. ***Parallel CHC algorithm for solving Dynamic Traveling Salesman Problem using many-core GPU*** (nomination for AIMSA Best Paper Award)
12.30-14.00	Lunch
Session 5: Planning and Agents II	
14.00-14.30	Mohamed Gunady, Walid Gomaa and Ikuo Takeuchi. ***Multi-Agent Task Division Machine learning in Hide-and-Seek Games*** (nomination for AIMSA 2012 Best Paper Award)
14.30-15.00	Juan Carlos Nieves, Dipak Surie and Helena Lindgren. *Modeling Actions Based on a Situative Space Model for Recognizing Human Activities*
15.00–15.30	Nesrine Bessghaier, Mahdi Zargayouna and Balbo Flavien. ***Management of Urban Parking: an Agent-based Approach*** (nomination for AIMSA 2012 Best Paper Award)
15.30-16.00	Kissoum Yacine, Maamri Ramdane and Sahnoun Zaidi. *Modeling Smart Home using the Paradigm of Nets within Nets*
16.00-16.30	Coffee break
Session 6: Knowledge Representation and Reasoning I	
16.30-17.00	Ernest Arendarenko and Tuomo Kakkonen. *Ontology-based Information and Event Extraction for Business Intelligence*
17.00-17.30	Oliver Kutz, Janna Hastings and Till Mossakowski.*Modelling Highly Symmetrical Molecules: Linking Ontologies and Graphs*
17.30-17.45	Aymeric Ledorze, Lionel Chauvin, Laurent Garcia, David Genest and Stephane Loiseau. *Views and Synthesis of Cognitive Maps*
17.45-18.00	Mariana Damova, Kiril Simov, Zdravko Tashev and Atanas Kiryakov. FactForge: *Data Service or Diversity through Inferred Knowledge over LOD*
20.00-24.00	Conference Diner

15 September

9.00 -10.00	Reinhard Muskens (Tilburg University, The Netherlands). ***Natural Logic for Natural Reasoning*** (Invited talk)
10.00–10.30	Coffee pause
Session 7: Knowledge Representation and Reasoning II	
10.30-11.00	Aleksandra Gruca and Marek Sikora. *Identification of the compound subjective rule interestingness measure for rule-based functional description of genes*
11.00-11.30	Matteo Leonetti, Luca Iocchi and Fabio Patrizi. ***Automatic Generation and Machine learning of Finite-State Controllers*** (nomination for AIMSA 2012 Best Paper Award)
11.30-12.00.	Nouhad Amaneddine and Jean-François Condotta. ***From Path-Consistency to Global Consistency in Temporal Qualitative Constraint Networks*** (nomination for AIMSA Best Paper Award)
12.00-12.15	Samia Beldjoudi, Hassina Seridiand and Catherine Faron-Zucker. *Personalizing and Improving Tag-based Search in folksonomies*
12.15-14.00	Lunch
Session 8: Computer Vision and Machine Learning	
14.00-14.30	Mariusz Oszust and Marian Wysocki. ***Modelling and Recognition of Signed Expressions Using Subunits Obtained by Data–Driven Approach*** (nomination for AIMSA 2012 Best Paper Award)
14.30-15.00	Tianxiang Zhang and Gentiane Venture. *Biometrics from Gait using Feature Value Method*
15.00–15.15	Jacek Kabziński. *Swarm Capability of Finding Eigenvalues.*
15.15-15.30	Farhad Nadiand and Ahamad Tajudin Khader. *A Study on the Utility of Parametric Uniform Crossover for Adaptation of Crossover Operator*
15.30-16.00	Coffee break
Session 9: Natural Language Processing II	
16.00-16.30	Svetla Boytcheva and Galia Angelova. *A Workbench for Temporal Event Information Extraction from Patient Records*
16.30-17.00	Diana Lupan, Mihai Dascalu, Stefan Trausan-Matu and Philippe Dessus. *Analyzing Emotional States Induced by News Articles with Latent Semantic Analysis*
17.00-17.15	Łukasz Kłyk, Paweł Myszkowski, Bartosz Broda, Maciej Piasecki and David Urbansky. *Metaheuristics for Tuning Model Parameters in Two Natural language processing Applications*
17.30-17.45	**Presentation of AIMSA 2012 Best Paper Award and Closing Remarks**