

AIMSA 2010 PROGRAM

7 September

16:00 – 18:00 Registration

Day 1, 8 September

8:00 – 8:45 Registration

8:45 – 9:00 Opening

9:00 – 10:00 Keynote: John Domingue

Semantic Web Services as a Core Component of the Future Internet

Session Chair: Darina Dicheva

10:00 - 10:30 Coffee Break

10:30 – 12:30 Session 1 – Knowledge Representation and Reasoning

Session Chair: Danail Dochev

10:30 – 11:00 Khalil Ben Mohamed, Michel Leclère and Marie-Laure Mugnier. *Deduction in Existential Conjunctive First-Order Logic: An Algorithm and Experiments*

11:00 – 11:30 Raman Kazhamiakin, Volha Kerhet, Massimo Paolucci, Marco Pistore and Matthias Wagner. *Use-Based Discovery of Pervasive Services*

11:30 – 12:00 Elena Botoeva, Diego Calvanese and Mariano Rodriguez-Muro. *Expressive Approximations in DL-Lite Ontologies*

12:00 – 12:30 Ah-Lian Kor and Brandon Bennett. *Reasoning Mechanism for Cardinal Direction Relations in Geographic Information Systems*

12:30 – 14:00 Lunch

14:00 – 16:00 Session 2 – Machine Learning, Data Mining and Information Retrieval I

Session Chair: John Domingue

14:00 – 14:30 Barbara Bazzanella, Heiko Stoermer and Paolo Bouquet. *Searching for Individual Entities: a Query Analysis*

14:30 – 15:00 Claudiu Cristian Musat and Stefan Trausan Matu. *The Impact of Valence Shifters on Mining Implicit Economic Opinions*

15:00 – 15:30 Angela Fogarolli, George Giannakopoulos and Heiko Stoermer. *Entity Popularity on the Web: Correlating ANSA News and AOL Search*

15:30 – 16:00 Vladimir Kurbalija, Miloš Radovanović, Zoltan Geler and Mirjana Ivanović. *A Framework for Time-Series Analysis*

16:00 – 16:30 Coffee Break

16:30 – 18:00 Session 3 – Machine Learning, Data Mining and Information Retrieval II

Session Chair: Genady Agre

16:30 – 17:00 Brent Martin, Marina Filipovic, Lara Rennie and David Shaw. *Using Machine Learning to Prescribe Warfarin*

17:00 – 17:30 Evgueni Smirnov, Nikolay Nikolaev and Georgi Nalbantov. *Single-Stacking Conformity Approach to Reliable Classification*

17:30 – 18:00 Zilong Chen and Yang Lu. *A Relative Word-Frequency Based Method for Relevance Feedback*

18:00 – 19:00 Poster Session

20:00 – 22:00 Welcome Reception

Day 2, 9 September

8:30 – 9:00 Registration

9:00 – 10:00 Keynote: Atanas Kiryakov

FactForge – The Fast Track to the Centre of the Data Web or How Reason-able Views Bring the Semantic Web Closer to its Tipping Point

Session Chair: Danail Dochev

10:00 - 10:30 Coffee Break

10:30 – 12:30 Session 4 – Intelligent Techniques for Adaptation, Personalization and Recommendation

Session Chair: Brandon Bennett

10:30 – 11:00 Pasquale Lops, Cataldo Musto, Fedelucio Narducci, Marco de Gemmis, Pierpaolo Basile and Giovanni Semeraro. *Cross-Language Personalization through a Semantic Content-based Recommender System*

11:00 – 11:30 Yuan Wang, Jie Zhang and Julita Vassileva. *Personalized Recommendation of Integrated Social Data across Social Networking Sites*

11:30 – 12:00 Ondrej Ševce, Jozef Tvarožek and Mária Bieliková. *Term Ranking and Categorization for Ad-Hoc Navigation*

12:00 – 12:30 Rong Pan and Peter Dolog. *Time Optimized Algorithm for Web Document Presentation Adaptation*

12:30 – 14:00 Lunch

14:00 – 16:00 – Session 5 Applications

Session Chair: Julita Vassileva

14:00 – 14:30 Anatoli Nachev. *Comparative Analysis of Distributed, Default, IC, and Fuzzy ARTMAP Neural Networks for Classification of Malignant and Benign Lesions*

14:30 – 15:00 Veselka Boeva and Elena Kostadinova. *An Adaptive Approach for Integration Analysis of Multiple Gene Expression Datasets*

15:00 – 15:30 Ieroham S. Baruch, Irving P. de la Cruz and Boyka Nenkova. *Direct Field Oriented Neural Control of a Three Phase Induction Motor*

15:30 – 16:00 Dariusz Frejlichowski and Pawel Forczmanski. *General Shape Analysis Applied to Stamps Retrieval from Scanned Documents*

16:00 – 16:30 Coffee Break

16:30 – 18:00 Session 6 – Constraints and Search

Session Chair: Allan Ramsay

16:30 – 17:00 Fabio Parisini, Michele Lombardi and Michela Milano. *Discrepancy-Based Sliced Neighborhood Search*

17:00 – 17:30 Roman Barták. *Constraint Models for Reasoning on Unification in Inductive Logic Programming*

17:30 – 18:00 Nicola Di Mauro, Teresa M.A. Basile, Stefano Ferilli and Floriana Esposito. *Coalition Structure Generation with GRASP*

20:00 – 23:00 Conference Dinner

Day 3, 10 September

9:00 – 10:00 Keynote: Thore Graepel

Learning to Play: Machine Learning and Computer Games

Session Chair: Gennady Agre

10:00 - 10:30 Coffee Break

10:30 – 12:30 Session 7 – AI in Education / Natural Language Processing

Session Chair: H Chad Lane

10:30 – 11:00 Sergio Gutierrez-Santos, Manolis Mavrikis and George Magoulas. *Sequence Detection for Adaptive Feedback Generation in an Exploratory Environment for Mathematical Generalisation*

11:00 – 11:30 Dimitrios Sklavakis and Ioannis Refanidis. *Ontology-Based Authoring of Intelligent Model-Tracing Math Tutors*

11:30 – 12:00 Mihai Dascalu, Traian Rebedea and Stefan Trausan-Matu. *A Deep Insight in Chat Analysis: Collaboration, Evolution and Evaluation, Summarization and Search*

12:00 – 12:30 Svetla Boytcheva, Galia Angelova, Ivelina Nikolova, Elena Paskaleva, Dimitar Tcharaktchiev and Nadya Dimitrova *EVTIMA: a system for IE from hospital patient records in Bulgarian*

12:30 Closing Session & Best Paper Award Presentation

12:45 – 14:00 Lunch

14:00 – 17:30 Tutorial “ Semantic Technologies and Applications: Web Mining, Text Analysis, Linked Data Search and Reasoning”