

ADMI '09 Program

Monday, 11 May 2009

9:00 – 9:15 Opening by Vladimir Gorodetsky

9:15 – 10:00 ADMI Keynote Speech-1

Chair: Andreas Symeonidis

▪ **Ana Lucia C. Bazzan**

“Agents and Data Mining in Bioinformatics: joining data gathering and automatic annotation with classification and distributed clustering”

10:00 – 10:40 Key Feature papers

Chair: Andreas Symeonidis

▪ *“The Complex Dynamics of Sponsored Search Markets”*

Valentin Robu, Han La Poutre, and Sander Bohte.

▪ *“A sequence mining method to predict the bidding strategy of trading agents”*

Vivia Nikolaidou and Pericles A. Mitkas.

10:40 – 11:10 Coffee Break

11:10 – 12:30 Session I: Agent-Driven Data Mining

Chair: Daniel Kudenko

▪ *“Agent-Enriched Data Mining Using an Extendable Framework”*

Kamal Ali Albashiri and Frans Coenen.

▪ *“Auto-Clustering using Particle Swarm Optimization and Bacterial Foraging”*

Jorge Cordero H., Yifeng Zeng, and Jakob Rutkowski.

▪ *“A Self-Organized Multiagent System for Intrusion Detection”*

E.J. Palomo, E. Dominguez, R.M. Luque, and J. Munoz.

▪ *“Towards Cooperative Predictive Data Mining in Competitive Environments”.*

Viliam Lisy, Michal Jakob, Petr Benda, Stepan Urban, and Michal Pechoucek.

12:30 – 14:00 Conference Lunch

14:00 – 14:45 ADMI Keynote Speech-2

Chair: Vladimir Gorodetsky

▪ **Daniel Kudenko**

“Knowledge-Based Reinforcement Learning”

14:50 – 15:30 Session 2: Data Mining Technology for Agent Systems

Chair: Chengqi Zhang

▪ *“Improving agent bidding in Power Stock Markets through a data mining-enhanced agent platform”.*

Anthony C. Chrysopoulos, Andreas L. Symeonidis, and Pericles A. Mitkas.

- *“Enhancing Agent Intelligence through Data Mining: a Power Plant Case Study”*.
Christina Athanasopoulou and Vasilis Chatziathanasiou.

15:30 – 16:00 Coffee break

16:00 – 16:40 Session 3: Integrated Agent and Data Mining Applications

Chair: Ana Lucia C. Bazzan

- *“Concept Learning For Achieving Personalized Ontologies: An Active Learning Approach”*.
Murat Sensoy and Pinar Yolum.
- *“Agent Assignment for Process Management: Pattern based Agent Performance Evaluation”*.
Stefan Jablonski and Ramzan Talib.

16:40 – 17:20 Panel Discussion

Chair: Chengqi Zhang

- **Panelists:** Chengqi Zhang, Vladimir Gorodetsky, Daniel Kudenko, Ana Lucia C. Bazzan, Andreas Symeonidis.

17:10 – 17:30 Conclusions and Closing by Vladimir Gorodetsky