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Agents and Data Mining Interaction

7th International Workshop, ADMI 2011
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Message from the Workshop Chairs

We are pleased to welcome you to the proceedings of the 2011 International Workshop on Agents and Data Mining Interaction (ADMI 2011), held jointly with AAMAS 2011.

In recent years, agents and data mining interaction (ADMI, or agent mining) has emerged as a very promising research field. Following the success of ADMI 2006 in Hong Kong, ADMI 2007 in San Jose, AIS-ADM 2007 in St. Petersburg, ADMI 2008 in Sydney, ADMI 2009 in Budapest, ADMI 2010 in Toronto, the ADMI 2011 workshop in Taiwan provided a premier forum for sharing research and engineering results, as well as potential challenges and prospects encountered in the coupling between agents and data mining.

The ADMI 2011 workshop encouraged and promoted theoretical and applied research and development, which aims at:

- Exploiting agent-enriched data mining and machine learning, and demonstrating how agent technology can contribute to critical data mining and machine learning problems in theory and practice
- Improving data mining-driven agents and systems, and showing how data mining and machine learning can strengthen agent intelligence and intelligent systems in research and practical applications
- Exploring the integration of agents and data mining toward a super-intelligent system and intelligent information processing
- Identifying challenges and directions for future research and development in agent mining, through the synergy and interaction among relevant fields
- Reporting workable applications and case studies of agent mining

The 11 accepted papers were competitively selected from 24 submissions from 13 countries. ADMI 2011 submissions cover areas from North America, Europe to Asia, indicating the boom of agent mining research globally. The workshop also included two invited talks by Peter Stone at the University of Texas at Austin, USA, and Gal Kaminka at Bar Ilian University, Israel.

Following ADMI 2009, the ADMI 2011 papers are published as an LNAI post-proceedings volume by Springer. We appreciate Springer, in particular Alfred Hofmann, for the continuing publication support.

ADMI 2011 was sponsored by the Special Interest Group: Agent-Mining Interaction and Integration (AMII-SIG: www.agentmining.org). We appreciate the guidance of the Steering Committee.

More information about ADMI 2011 is available from the workshop website: http://admi11.agentmining.org/.

Finally, we appreciate the contributions made by all authors, Program Committee members, invited speakers, panelists, and the AAMAS 2011 workshop and local organizers.

May 2011

Gerhard Weiss
Philip S. Yu
Longbing Cao
Ana Bazzan
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