Message from the Workshop Chairs

We are pleased to welcome you to the proceedings of the 2014 International Workshop on Agents and Data Mining Interaction (ADMI 2014), held jointly with AAMAS 2014.

In recent years, agents and data mining interaction (ADMI, or agent mining) has emerged as a very promising research field. Following the success of previous ADMIs, ADMI 2014 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 2014 workshop encouraged and promoted theoretical and applied research and development, which aims at:

– Exploiting agent-enriched data mining and demonstrating how intelligent agent technology can contribute to critical data mining problems in theory and practice
– Improving data mining-driven agents and showing how data mining can strengthen agent intelligence in research and practical applications
– Exploring the integration of agents and data mining toward a super-intelligent system
– Discussing existing results, new problems, challenges and the impact of the integration of agent and data mining technologies as applied to highly distributed heterogeneous, including mobile, systems operating in ubiquitous and P2P environments
– Identifying challenges and directions for future research and development on the synergy between agents and data mining

The 10 papers included in this edition are from eight countries. ADMI 2014 submissions represented areas from America, Europe, to Asia, indicating the boom of agent mining research globally. The workshop also included two invited talks by two distinguished researchers.

As with previous ADMIs, the papers accepted for ADMI 2014 were revised and are included in this LNAI proceedings volume published by Springer. We appreciate Springer, in particular Alfred Hofmann, for the continuing publication support.

ADMI 2014 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 2014 is available from the workshop website: http://admi14.agentmining.org/.

Finally, we appreciate the contributions made by all authors, Program Committee members, invited speakers, panelists, and AAMAS 2014 workshop and local organizers.

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