

Preface

We are pleased to welcome you to the proceedings of the 2013 International Workshop on Agents and Data Mining Interaction (ADMI-13), held jointly with AAMAS 2013.

In recent years, agents and data mining interaction (ADMI, or agent mining) has emerged as a very promising research field. Following the success of ADMIs in the past nine years, the ADMI-13 event 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-13 workshop encouraged and promoted theoretical and applied research and development, which aims to:

- Exploit agent-enriched data mining and demonstrate how intelligent agent technology can contribute to critical data mining problems in theory and practice
- Improve data mining-driven agents and show how data mining can strengthen agent intelligence in research and practical applications
- Explore the integration of agents and data mining toward a super-intelligent system
- Discuss 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
- Identify challenges and directions for future research and development on the synergy between agents and data mining, especially in agents for big data

This volume comprises ten papers contributed by authors across eight countries. ADMI-13 submissions cover regions from North America, Europe to Asia, indicating the booming of agent mining research globally. The workshop also included two invited talks by two distinguished researchers.

Following the tradition of ADMI, the papers accepted by ADMI-13 were further revised and then published as LNAI conference proceedings by Springer. We appreciate Springer, in particular Alfred Hofmann, for the continuing publication support.

ADMI-13 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-13 is available from the workshop website: <http://admi13.agentmining.org/>.

Finally, we appreciate the contributions made by all authors, Program Committee members, invited speakers, and AAMAS 2013 workshop and local organizers.

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