CALL FOR CHAPTERS
On an Edited Book to Be Published by Springer in 2009
Data Mining and Multiagent Integration
Editor: Longbing Cao

Chapter Proposal Submission Deadline:	**November 1, 2008**
Proposal Acceptance Due Date:	**November 10, 2008**
Full Chapter Submission Deadline:	**December 15, 2008**
Planned Publishing Date:	**July 2009**

Introduction

In the last decade, data mining and multiagent systems have emerged as two of the most vigorous areas in information technology. The nature and complementarity of both areas foreshows an emerging trend—the increasing interaction and integration between multiagents and data mining. A symbiotic relationship could significantly strengthen each side's progress and trigger new R&D challenges and prospects toward the advancement of next-generation intelligent technologies and systems and many other potential aspects.

Book Aims

This edited book aspires to report high quality work on the interaction and integration between data mining and multiagents toward mutual enhancement and superintelligent techniques and synergism. It encourages both theoretical and workable applications synergizing both areas to share R&D results and discuss existing and emerging theoretical and applied problems in the interaction and evolution of agents and data mining.

Scopes of Interest (not limited to):

- Challenges and prospects of agents and data mining integration
- Methodologies for agents and data mining interaction and integration
- Multiagent-based KDD infrastructure
- Multiagent-enriched data mining process and management
- Multiagent-enriched data mining methods
- Multiagent-enriched distributed and multiple source data mining
- Automated and agent-human-cooperated data mining learning
- Data-mining-driven agent coordination, adaptation and evolution
- Data-mining-driven multiagent communication, planning and dispatching
- Data-mining-driven user modelling and servicing
- Data-mining-driven multiagent learning

- Involving user preferences and human intelligence through agent-mining interaction
- Involving domain knowledge and intelligence through agent-mining interaction
- Involving network intelligence in agent-mining interaction
- Involving organizational and social intelligence in agent-mining interaction
- Meta-synthesis of computing intelligence in agent-mining integration
- Performance framework for agent-mining symbiont
- Interestingness metrics for agent miners
- Performance metrics for data-mining-driven agent intelligence and behavior
- Typical engineering and industry applications
- Trends of agents and data mining interaction and integration

Submissions

*Two-stage submission: First, interested researchers and practitioners are invited to submit a chapter proposal clearly stating your focused problems and contributions related to one of the above topics due on **November 1, 2008**; Second, authors of accepted proposals will be notified by **November 10, 2008** about the status of their proposals and sent chapter organizational guidelines. Full chapters are due by **December 15, 2008**. All submitted chapters will be reviewed on a double-blind review basis. The book is scheduled to be published in **July 2009** by Springer. Detailed manuscript instructions are available from Springer Book Author Guidelines, only Latex format is acceptable.*

Chapter proposal guideline: *The proposal is expected to be 1-2 pages in .doc or .pdf format, composed of title, authors (name, affiliation, phone number, and e-mail address), extended abstract (background, related work, principal contributions, and so on), table of content, and contact.*

Enquiries

*Enquiries and **submissions** can be forwarded to*
Longbing Cao (longbing.cao-1@uts.edu.au, www.agentmining.org)