Workshop on Reliability Issues in Knowledge Discovery (RIKD 2008)

ICDM Workshops 2008

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http://www.deakin.edu.au/~hdai/RIKD08/

RIKD’08 is the Second International Workshop on Reliability Issues in Knowledge Discovery. Following the success of the first workshop RIKD’06, RIKD’08 is organized to continue the exploration of the reliability issues of discovered knowledge and to examine the reliability of a discovery process to assure the quality of data mining applications.

Why RIKD?

Undergoing a decade of rapid development, data mining has reached a new stage that applies the created algorithms to solve real world problems. To achieve a successful application of data mining, it is essential to make sure that the discovered knowledge is valid. To this end, it is necessary to study the reliability issues in knowledge discovery.

The second international workshop on Reliability Issues in Knowledge Discovery at the IEEE International Conference on Data Mining is designed to provide such a forum which specifically focuses on the theory and techniques that can ensure the discovered knowledge is reliable and to identify in which cases or under which conditions the discovered knowledge is reliable or the discovery process is robust. In the last 20 years, many data mining algorithms have been developed for the discovery of knowledge from given data bases. However in many cases, the discovery process is not robust or the discovered knowledge is not reliable or even incorrect in certain cases. In some cases, the discovered knowledge may not necessary be the real reflection of the data. Why does this happen? What are major factors which affect the discovery process? How can we make sure that the discovered knowledge is reliable? What are conditions under which a reliable discovery can be assured? These are some interesting topics of the workshop.

The Procedure of RIKD’08

The selection process this year was competitive. As a half-day workshop, we received in total 22 papers including the papers submitted directly to the workshop and the papers from the main conference. Each submitted research paper was reviewed by three members of the program committee. Following this independent review, there were discussions among the reviewers, and when necessary, additional reviews from other experts were requested. Nine papers were accepted which reflects approximately a 41% acceptance rate. The workshop accommodates both research papers presenting original investigation results and industrial papers reporting reliability issues in real data mining applications and system development experience.

We would like to express our thanks to all who contributed to the success of the workshop program. We hope that you will fully enjoy the workshop program.
Workshop Program Committee
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