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Intelligence Technology

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SPECIAL ISSUE ON: Rough Sets and Data Mining

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Research on data mining using rough sets is widely spreading, and the obtained association rules are applied to characterisation of data, decision support, and so on. The rough set research that started with the use of equivalence classes defined in the table data has recently expanded to granularity calculation, which is a broader concept. Rough sets and granular computing provide a framework to adjust the granularity of information according to purpose. On the other hand, the progress of artificial intelligence technology seen in deep learning in recent years is remarkable. This Special Issue summarises the latest research trends of rough sets, granularity calculation and data mining, and invites fundamental research and applied research towards strengthening association with artificial intelligence.

Topics of interest include, but are not limited to:

- Rough sets, data mining, knowledge discovery
- Data mining and artificial intelligence applications
- Rule generation and implementation of rule generator
- Information granulation and granular cognitive computing
- Rough clustering and decision-theoretic rough sets
- Decision support systems, three-way decisions and rule-based systems
- Rough-set-based feature selection
- Uncertain and approximate reasoning
- Web mining and text mining
- Machine learning, pattern recognition, knowledge engineering and representation
- Internet of Things and big data processing

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