



Special Issue on Data-Oriented Intelligence

Call for Papers

The purpose of this special issue is to promote researches in one of the substantial topics in intelligence science – data-oriented intelligence. Due to the ever-growing applications of computing technology, huge amount of data is generated at unprecedented rate in diverse fields such as economic business, medical examinations, social activities, daily educations, sensor networks, etc. Though useful information might lie in the collected data, extracting them into insightful knowledge with human-accessible form presents a demanding and sophisticated undertaking.

Within the past three decades, considerable theories and techniques have been proposed to processing, analyzing, modeling and visualizing data-intensive tasks in automatic and intelligent ways. Despite the great achievements gained so far, there are numerous fascinating yet challenging issues to be further investigated. This special issue solicits recent cutting-edge and promising progresses in data-oriented intelligence research.

In this special issue, potential topics include, but are not limited to:

- Data and knowledge representation
- Data acquisition and management
- Data mining and knowledge discovery
- Data-centric applications
- Machine learning
- Information retrieval
- Knowledge and information systems
- Visualization and comprehensibility
- Web intelligence
- Bioinformatics

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **Data-Oriented Intelligence**.

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue — Data-Oriented Intelligence**” should be chosen during your submission.

According to the following timetable:



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