

**Title:**

Intelligent Data Processing and Mining

Abstract:

The world is now in the era of big data, and large amounts of data are emerging in every field of the society at all times, which greatly increases the difficulties and challenges of automatic data processing and analysis in the current context. On the other hand, artificial intelligence (AI) research has attracted increasing attention around the world and has gained very rapid development, especially in the framework of deep learning. Therefore, a very meaningful and valuable research direction is to how to utilize the advanced artificial intelligence technologies to effectively analyze and mine the information from various type data, including text, vision, spatial data and so on. In a nutshell, the topic of intelligent data processing and mining is an interesting workshop title to be associated with the ICAIS 2020.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Computer vision
- ✧ Image and Video Retrieval
- ✧ Object Detection and Recognition
- ✧ Natural language processing
- ✧ Information Retrieval and Document Analysis
- ✧ Information Extraction and Text Mining
- ✧ Sentiment Analysis and Argument Mining
- ✧ Big data mining
- ✧ Data mining for modeling, visualization and personalization
- ✧ Applications of data mining in spatial informatics, health informatics and other domains.

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