



Information Network Mining and Applications

Guest Editors:

Dr. Yongpan Sheng

College of Computer and Information Science, Southwest University, Chongqing 400715, China

Dr. Hao Wang

School of Computer Science and Technology, University of Science and Technology of China (USTC), Hefei 230027, China

Dr. Yixiang Fang

School of Data Science, The Chinese University of Hong Kong, Shenzhen 518172, China

Deadline for manuscript submissions:

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Message from the Guest Editors

This Special Issue welcomes original algorithmic, methodological, theoretical, statistical, or systems-based contributions to information network research and, in particular, applications broadly related to knowledge graphs, social networks, stock prediction, online shopping, recommendation systems, self-driving car, bioinformatics and medical informatics. Research papers and comprehensive reviews may focus on (but are not restricted to) the following research areas:

- Network/graph representation learning for homogeneous or heterogeneous information networks;
- Network/graph modelling like multi-modal, multi-relational, and dynamic graphs;
- Graph transformer and graph convolutional neural network;
- Data mining based on knowledge graphs, linguistics graphs, bibliographic graphs, textual graphs, social networks, traffic networks, and molecules;
- Parallel computing for information network analysis;
- Visual searching and browsing of information networks;
- Applications of information network mining in e-commerce, text mining, stock prediction, recommendation systems, self-driving car, bioinformatics and medical informatics, and so on;
- Information networks for explainable AI.





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Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University
at Albany, 1400 Washington
Avenue, Albany, NY 12222, USA

Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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Entropy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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