Trustworthy Graph Neural Networks: Models and Applications, 2nd Edition

Guest Editors:

Dr. Zhao Kang
School of Computer Science and Engineering, University of Electronic Science and Technology of China, Chengdu 611731, China

Prof. Dr. Xiao Wang
School of Software, Beihang University, Beijing 100191, China

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Message from the Guest Editors

Dear Colleagues,

In the era of big data, graph data have attracted considerable attention. We have witnessed the impressive performance of graph neural networks (GNNs) in dealing with graph data, as well as their use in various real-world applications (e.g., recommender systems, molecular property prediction). The increasing number of works on GNNs indicates a global trend in both the academic and industrial communities. Despite the progress made in GNNs, there are various open, unexplored, and unidentified challenges. One major concern is whether current GNNs are trustworthy. This is an inescapable problem when GNNs are used in real-world applications, especially in risk-sensitive domains. To address this problem, we need to make GNNs more robust, explainable, and stable. Thus, there is a pressing demand for novel and advanced trustworthy GNNs. In this Special Issue, our goal is to bring together researchers and practitioners working in the areas of GNNs to address a wide range of theoretical and practical issues.

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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