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Trustworthy Graph Neural Networks: Models and Applications

Guest Editors:

Prof. Dr. Zhao Kang

School of Computer Science and Engineering, University of Electronic Science and Technology of China, Chengdu 610031, China

Prof. Dr. Xiao Wang

School of Computer Science, Beijing University of Posts and Telecommunications, 12472 Beijing, Beijing, China

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Message from the Guest Editors

Dear Colleagues,

In the era of big data, graph data has attracted considerable attention. We have witnessed the impressive performance of graph neural networks (GNNs) in dealing with graph data, as well as various real-world applications (e.g., recommender systems, molecular property prediction). The increasing number of works on GNNs indicates a global trend in both 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 step into real-world applications, especially in risksensitive 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.











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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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