Special Issue

Advances in Graph-Structured Data: Methods and Applications

Message from the Guest Editors

Graph-structured data offers a powerful and flexible abstraction for representing complex entities and their relationships. In many real-world scenarios, data can be naturally modeled as graphs. For example, users and their connections in social networks, concepts, and their relationships in knowledge graphs, or users, items, and their interactions in recommender systems.

This Special Issue focuses on graph-structured data in its broadest sense, welcoming recent advances across three interconnected areas: (1) graph-structured data management and storage, such as graph databases, RDF/triplestores, and property graph systems; (2) graph-structured data modeling and learning, such as graph representation learning, graph neural networks, and knowledge graph learning; (3) graph-structured data-driven real-world applications.

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Message from the Editor-in-Chief

Data is an open access journal that publishes scientific data in a reliable, citable, and accountable manner. Data grants the opportunity to formally share valuable data, for academic credit. It covers a wide range of disciplines in which data is generated so that published data is discoverable and available for wider re-use. The journal has highly accomplished scientists from a variety of disciplines on the editorial board. The publication emphasizes clarity, honesty, quality, and novelty and has a rigorous peer-review process. We strongly encourage you to share your data vision in Data.

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