



an Open Access Journal by MDPI

# **Graph Partitioning Algorithm**

Guest Editor:

# Dr. Hongteng Xu

Gaoling School of Artificial Intelligence, Renmin University of China, Beijing 100872, China

Deadline for manuscript submissions: closed (15 December 2021)

# Message from the Guest Editor

Recently, with the development of machine learning and many learning-based artificial intelligence, graph partitioning algorithms have been proposed and have achieved encouraging performance several on benchmarks Currently. besides conventional combinatorial optimization problems, the study of graph partitioning algorithms is highly correlated with unsupervised and semi-supervised learning tasks, i.e., node representation and clustering, and reinforcement learning techniques. Therefore, introducing new graph partitioning algorithms, especially those learning-based methods, and promoting their innovative applications are at the heart of this Special Issue. We invite you to submit high-quality papers to the Special Issue on "Graph Partitioning Algorithm", with subjects covering the whole range from theory to applications. The topics we are interested in include but are not limited to:

- Scalable and/or approximate combinatorial optimization for graph partitioning;
- Learning-based graph partitioning;
- Applications of graph partitioning on bioinformatics, chemistry, and social networks;
- Theoretical analysis of graph partitioning methods.









an Open Access Journal by MDPI

# **Editor-in-Chief**

#### Prof. Dr. Frank Werner

Faculty of Mathematics, Ottovon-Guericke-University, P.O. Box 4120, D-39016 Magdeburg, Germany

### Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from guite different perspectives, having led to the development of many subcommunities: Complexity theory (limitations). approximation or parameterized algorithms (types of geometric algorithms problems). (subject area). metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities

# **Author Benefits**

**Open Access :** free for readers, with article processing charges (APC) paid by authors or their institutions. **High Visibility:** indexed within Scopus, ESCI (Web of Science), Ei Compendex, and other databases. **Journal Rank:** CiteScore - Q2 (*Numerical Analysis*)

# **Contact Us**

*Algorithms* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/algorithms algorithms@mdpi.com X@Algorithms\_MDPI