Topical Collection

Graph Machine Learning

Message from the Collection Editor

Graph-structured data are ubiquitous in many fields and, in particular, electronics and computer science. Graphs allow modelling complex system, but to unlock the potential of these data, machine learning plays an important role. However, existing learning algorithms are mostly adapted to Euclidean (non-graph) structures. Therefore, there is an increasing interest in extending machine learning approaches for graph and manifold data. In this Special Issue, we welcome submissions (both of research papers and reviews) related to machine and deep learning with graphs in computer sciences. The topics of interest include, but are not limited to:

- Learning representations of non-Euclidean data;
- Advanced information processing and architectures (graph neural networks, graph filtering, graph pooling, parameter learning, etc.);
- Training frameworks (unsupervised, semi-supervised, weakly, self- or supervised learning, as well as active learning, domain adaptation, or transfer learning);
- Theoretical aspects (expressive power, scalability trade-off, etc.).

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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