Special Issue

Neural Network for Traffic Forecasting

Message from the Guest Editors

Traffic forecasting is important for the success of intelligent transportation systems. Deep learning models, including convolution neural networks and recurrent neural networks, have been extensively applied in traffic forecasting problems to model spatial and temporal dependencies. This has been an active field of research dealing with the application of neural networks for traffic forecasting problems, which are at the heart of this Special Issue. We invite you to submit high-quality papers to the Special Issue on "Neural Network for Traffic Forecasting", with subjects covering the whole range from theory to applications. The following is a (non-exhaustive) list of topics of interests:

- Novel neural networks, e.g., graph convolutional and graph attention networks, spatiotemporal graph neural networks, traffic transformers, temporal convolutional networks, and recurrent neural networks;
- Neural networks for traffic forecasting problems, e.g., road traffic flow and speed forecasting, passenger flow forecasting in urban rail transit systems, and demand forecasting in ride-hailing platforms;
- Open data and source resources for traffic forecasting problems.

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (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.

Editor-in-Chief

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